

## LOTOS Group Consolidated financial statements for 2018

prepared in accordance with International Financial Reporting Standards as endorsed by the European Union together with the independent auditor's report





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## CONSOLIDATED STATEMENT OF COMPREHENSIVE INCOME

	Note	2018	2017
Revenue	8	30,121.7	24,185.6
Cost of sales	9.1	(25,592.7)	(20,194.1)
Gross profit		4.529.0	3,991.5
Distribution costs	9.1	(1,355.6)	(1,252.3)
Administrative expenses	9.1	(422.1)	(450.0)
Other income	9.3	412.5	60.3
Other expenses	9.4	(182.5)	(121.0)
Operating profit		2,981.3	2,228.5
Finance income	9.5	41.1	450.0
Finance costs	9.6	(303.1)	(234.0)
Share in net profit/(loss) of equity-accounted joint ventures	14	3.3	3.2
Profit before tax		2,722.6	2,447.7
Corporate income tax	10.1	(1,135.2)	(775.9)
Net profit		1,587.4	1,671.8
Other comprehensive income/(loss)		7	,-
Items that may be reclassified to profit or loss:		(71.6)	614.8
Exchange differences on translating foreign operations		(8.6)	27.2
Cash flow hedges	20	(77.8)	725.4
Corporate income tax relating to cash flow hedges	10.1	14.8	(137.8)
Items that will not be reclassified to profit or loss:		0.1	(0.1)
Actuarial gain/(loss) under post-employment benefits		0.4	(1.4)
Corporate income tax relating to actuarial gain/(loss) under post-employment benefits	10.1	(0.3)	1.3
Other comprehensive income/(loss), net		(71.5)	614.7
Total comprehensive income/(loss)		1,515.9	2,286.5
Net profit attributable to:			
Owners of the Parent	11	1,587.4	1,671.8
Total comprehensive income/(loss) attributable to:			
Owners of the Parent		1,515.9	2,286.5
Net profit attributable to owners of the Parent per share (PLN)			
Weighted average number of shares (million)	11	184.9	184.9
- basic	11	8.59	9.04
busic			



## CONSOLIDATED STATEMENT OF FINANCIAL POSITION

ASSETS			
Non-current assets			
Property, plant and equipment of the Downstream segment	13	8,742.4	8,761.5
Intangible assets of the Downstream segment	13	151.9	163.2
Property, plant and equipment of the Upstream segment	13	3,044.0	2,404.2
Intangible assets of the Upstream segment	13	338.0	304.8
Equity-accounted joint ventures	14	117.2	106.5
Deferred tax assets	10.3	149.6	415.4
Derivative financial instruments	23	9.1	2.7
Other non-current assets	15	525.8	303.8
Total non-current assets		13,078.0	12,462.1
Current assets			
Inventories	16	4,848.9	3,559.6
- including emergency stocks		2,886.9	2,098.7
Trade receivables	15	1,880.4	2,677.0
Current tax assets		2.4	1.3
Derivative financial instruments	23	15.3	161.8
Other current assets	15	457.6	388.7
Cash and cash equivalents	17	1,941.3	1,920.7
Total current assets		9,145.9	8,709.1
Total assets		22,223.9	21,171.2
Equity Share capital	18	184.9	
Equity Share capital	18 19	184.9 2,228.3	
Equity Share capital Share premium Cash flow hedging reserve			2,228.3 (225.2)
Equity Share capital Share premium Cash flow hedging reserve	19	2,228.3	2,228.3 (225.2)
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve	19	2,228.3 (288.2) 9,826.1 83.6	2,228.3 (225.2) 8,432.2 92.2
EQUITY AND LIABILITIES  Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent	19	2,228.3 (288.2) 9,826.1	2,228.3 (225.2) 8,432.2 92.2
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests	19	2,228.3 (288.2) 9,826.1 83.6 12,034.7	2,228.3 (225.2) 8,432.2 92.2 10,712.4
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests	19	2,228.3 (288.2) 9,826.1 83.6 12,034.7	2,228.3 (225.2) 8,432.2 92.2 10,712.4
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity Non-current liabilities	19 20	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1	2,228.3 (225.2) 8,432.2 92.2 10,712.4 0.1 10,712.5
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities	19 20 22	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8	2,228.3 (225.2) 8,432.2 92.2 <b>10,712.4</b> 0.1 <b>10,712.</b> 5
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments	19 20 22 22 23	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8	2,228.3 (225.2) 8,432.2 92.2 <b>10,712.4</b> 0.1 <b>10,712.5</b> 2,738.3
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments Deferred tax liabilities	19 20 22 23 10.3	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8 2,345.3 6.9 324.9	2,228.3 (225.2) 8,432.2 92.2 <b>10,712.4</b> 0.1 <b>10,712.5</b> 2,738.3 6.7
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity  Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments Deferred tax liabilities Employee benefit obligations	19 20 22 23 10.3 24	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8 2,345.3 6.9 324.9 170.4	2,228.3 (225.2) 8,432.2 92.2 10,712.4 0.1 10,712.5 2,738.3 6.7 277.7 169.3
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity  Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments Deferred tax liabilities Employee benefit obligations Other liabilities and provisions	19 20 22 23 10.3	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8 2,345.3 6.9 324.9 170.4 1,196.8	2,228.3 (225.2) 8,432.2 92.2 10,712.4 0.1 10,712.5 2,738.3 6.7 277.7 169.3 1,072.4
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity  Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments Deferred tax liabilities Employee benefit obligations Other liabilities and provisions Total non-current liabilities	19 20 22 23 10.3 24	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8 2,345.3 6.9 324.9 170.4	2,228.3 (225.2) 8,432.2 92.2 10,712.4 0.1 10,712.5 2,738.3 6.7 277.7 169.3 1,072.4
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments Deferred tax liabilities Employee benefit obligations Other liabilities and provisions Total non-current liabilities Current liabilities	22 23 10.3 24 25	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8  2,345.3 6.9 324.9 170.4 1,196.8 4,044.3	2,228.3 (225.2) 8,432.2 92.2 10,712.4 0.1 10,712.5 2,738.3 6.7 277.7 169.3 1,072.4 4,264.4
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity  Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments Deferred tax liabilities Employee benefit obligations Other liabilities and provisions Total non-current liabilities Current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities	19 20 22 23 10.3 24 25	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8  2,345.3 6.9 324.9 170.4 1,196.8 4,044.3	2,228.3 (225.2) 8,432.2 92.2 10,712.4 0.1 10,712.5 2,738.3 6.7 277.7 169.3 1,072.4 4,264.4
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity  Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments Deferred tax liabilities Employee benefit obligations Other liabilities and provisions Total non-current liabilities Current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments	19 20 22 23 10.3 24 25	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8  2,345.3 6.9 324.9 170.4 1,196.8 4,044.3	2,228.3 (225.2) 8,432.2 92.2 10,712.4 0.1 10,712.5 2,738.3 6.7 277.7 169.3 1,072.4 4,264.4
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity  Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments Deferred tax liabilities Employee benefit obligations Other liabilities and provisions Total non-current liabilities Current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments Trade payables	19 20 22 23 10.3 24 25	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8  2,345.3 6.9 324.9 170.4 1,196.8 4,044.3	2,228.3 (225.2) 8,432.2 92.2 10,712.4 0.1 10,712.5  2,738.3 6.7 277.7 169.3 1,072.4 4,264.4  1,687.6 72.7 2,201.7
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity  Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments Deferred tax liabilities Employee benefit obligations Other liabilities and provisions Total non-current liabilities  Current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Current liabilities Derivative financial instruments Trade payables Current tax payables	22 23 10.3 24 25 22 23 25	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8  2,345.3 6.9 324.9 170.4 1,196.8 4,044.3  1,538.7 47.4 1,913.7 565.3	2,228.3 (225.2) 8,432.2 92.2 10,712.4 0.1 10,712.5 2,738.3 6.7 277.7 169.3 1,072.4 4,264.4 1,687.6 72.7 2,201.7 210.0
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity  Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments Deferred tax liabilities Employee benefit obligations Other liabilities Total non-current liabilities  Current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Current liabilities Current liabilities Derivative financial instruments Trade payables Current tax payables Employee benefit obligations Employee benefit obligations	22 23 10.3 24 25 22 23 25	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8  2,345.3 6.9 324.9 170.4 1,196.8 4,044.3  1,538.7 47.4 1,913.7 565.3 156.2	2,228.3 (225.2) 8,432.2 92.2 10,712.4 0.1 10,712.5 2,738.3 6.7 277.7 169.3 1,072.4 4,264.4 1,687.6 72.7 2,201.7 210.0 145.3
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity  Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments Deferred tax liabilities Employee benefit obligations Other liabilities Total non-current liabilities  Current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Trada non-current liabilities Current liabilities Current liabilities Derivative financial instruments Trade payables Current tax payables Employee benefit obligations Other liabilities and provisions	22 23 10.3 24 25 22 23 25	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8  2,345.3 6.9 324.9 170.4 1,196.8 4,044.3  1,538.7 47.4 1,913.7 565.3 156.2 1,923.5	2,228.3 (225.2) 8,432.2 92.2 10,712.4 0.1 10,712.5 2,738.3 6.7 277.7 169.3 1,072.4 4,264.4 1,687.6 72.7 2,201.7 210.0 145.3 1,877.0
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity  Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments Deferred tax liabilities Employee benefit obligations Other liabilities and provisions Total non-current liabilities  Current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Current liabilities Current liabilities Derivative financial instruments Trade payables Current tax payables Employee benefit obligations Other liabilities and provisions Total current liabilities Other liabilities and provisions	22 23 10.3 24 25 22 23 25	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8  2,345.3 6.9 324.9 170.4 1,196.8 4,044.3  1,538.7 47.4 1,913.7 565.3 156.2 1,923.5 6,144.8	184.9 2,228.3 (225.2) 8,432.2 92.2 10,712.4 0.1 10,712.5 2,738.3 6.7 277.7 169.3 1,072.4 4,264.4 1,687.6 72.7 2,201.7 210.0 145.3 1,877.0 6,194.3
Equity Share capital Share premium Cash flow hedging reserve Retained earnings Translation reserve Equity attributable to owners of the Parent Non-controlling interests Total equity  Non-current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Derivative financial instruments Deferred tax liabilities Employee benefit obligations Other liabilities and provisions Total non-current liabilities Current liabilities Bank borrowings, non-bank borrowings, notes and finance lease liabilities Current liabilities Current liabilities Derivative financial instruments Trade payables Current tax payables Employee benefit obligations Other liabilities and provisions Other liabilities and provisions	22 23 10.3 24 25 22 23 25	2,228.3 (288.2) 9,826.1 83.6 12,034.7 0.1 12,034.8  2,345.3 6.9 324.9 170.4 1,196.8 4,044.3  1,538.7 47.4 1,913.7 565.3 156.2 1,923.5	2,228.3 (225.2) 8,432.2 92.2 10,712.4 0.1 10,712.5 2,738.3 6.7 277.7 169.3 1,072.4 4,264.4 1,687.6 72.7 2,201.7 210.0 145.3 1,877.0



## **CONSOLIDATED STATEMENT OF CASH FLOWS** (prepared using the indirect method)

	Note	2018	2017
Cash flows from operating activities			
Net profit		1,587.4	1,671.8
Adjustments:		1,106.7	1,804.9
Income tax	10.1	1,135.2	775.9
Share in net profit/(loss) of equity-accounted joint ventures	14	(3.3)	(3.2)
Depreciation and amortisation	9.1	722.7	844.3
Foreign exchange (gains)/losses		190.5	72.3
Interest and dividends		133.5	146.2
(Gain)/loss from investing activities		8.0	8.6
Impairment losses on property, plant and equipment and other intangible assets	9.3; 9.4	(271.7)	83.6
Settlement and measurement of financial instruments	9.5; 9.6	7.2	(314.1)
Decrease/(Increase) in trade receivables		796.6	(425.3)
(Increase)/Decrease in other assets		(157.3)	160.1
(Increase) in inventories		(1,256.7)	(230.9)
(Decrease)/Increase in trade payables		(288.0)	483.5
Increase in other liabilities and provisions		77.6	194.8
Increase in employee benefit obligations		12.4	9.1
Income tax paid		(366.6)	(350.2)
Net cash from operating activities		2,327.5	3,126.5
Cash flows from investing activities			
Dividends received – equity-accounted joint ventures		3,2	2.1
Dividends received from other entities		1.7	1.7
Interest received		6.2	11.3
Sale of property, plant and equipment and other intangible assets		8.3	4.3
Purchase of property, plant and equipment and other intangible assets		(967.2)	(1,439.2)
Cash contributions – equity-accounted joint ventures	14	(7,6)	(5.4)
Deposits		8.0	(8.0)
Security deposit (margin)		27.0	25.3
Funds for future costs of decommissioning of oil and gas extraction facilities		(226.3)	(42.9)
Settlement of derivative financial instruments		60.1	2.8
Other cash used in investing activities		-	(0.7)
Net cash from investing activities		(1,086.6)	(1,448.7)
Cash flows from financing activities			
Proceeds from bank borrowings	22.1	366.6	925.8
Issue of notes	22.3	128.2	296.1
Repayment of bank borrowings	22.1	(1,109.5)	(1.223.4)
Repayment of bank borrowings	22.2	(12.8)	(12.8)
Redemption of notes	22.3	(214.8)	(160.2)
Interest paid	22.3	(224.3)	(203.3)
Dividends paid	12	(184.9)	(184.9)
Finance lease payments	14	` '	(36.8)
Settlement of derivative financial instruments		(33.0) 49.5	
Net cash from financing activities		(1,235.0)	116.8 <b>(482.7</b> )
Total net cash flow Effect of exchange rate fluctuations on cash held		<b>5.9</b> 11.8	<b>1,195.1</b> (5.3)
Change in net cash		17.7	1,189.8
Cash at beginning of period		1,920.6	730.8
Cash at end of period	17	1,938.3	1,920.6



## **CONSOLIDATED STATEMENT OF CHANGES IN EQUITY**

	Note	Share capital	Share premium	Cash flow hedging reserve	Retained earnings	Translation reserve	Equity attributable to owners of the Parent	Non- controlling interests	Total equity
				(22 2)					
January 1st 2018		184.9	2,228.3	(225.2)	8,432.2	92.2	10,712.4	0.1	10,712.5
Effect of changes in accounting policies	4	-	-	-	(8.7)	-	(8.7)	-	(8.7)
January 1st 2018		184.9	2,228.3	(225.2)	8,423.5	92.2	10,703.7	0.1	10,703.8
Net profit	11	-	-	-	1,587.4	-	1,587.4	-	1,587.4
Other comprehensive income/(loss), net		-	-	(63.0)	0.1	(8.6)	(71.5)	-	(71.5)
				(5.5.5)		(2.2)			
Total comprehensive income/(loss)		-	-	(63.0)	1,587.5	(8.6)	1,515.9	-	1,515.9
Dividend	12	-	-	-	(184.9)	-	(184.9)	-	(184.9)
December 31st 2018		184.9	2.228.3	(288.2)	9.826.1	83.6	12,034.7	0.1	12,034.8
			_,	(2002)	0,0=0				,
January 1st 2017		184.9	2,228.3	(812.8)	6,945.4	65.0	8,610.8	0.1	8,610.9
Net profit	11	-	-		1,671.8	-	1,671.8	-	1,671.8
Other comprehensive income/(loss), net		-	-	587.6	(0.1)	27.2	614.7	-	614.7
Total comprehensive income/(loss)		-	-	587.6	1,671.7	27.2	2,286.5	-	2,286.5
Dividend		-	-	-	(184.9)	-	(184.9)	-	(184.9)
December 31st 2017		184.9	2,228.3	(225.2)	8,432.2	92.2	10,712.4	0.1	10,712.5



(PLNm)

## **NOTES TO THE FINANCIAL STATEMENTS**

#### 1. General information

Grupa LOTOS Spółka Akcyjna ("Grupa LOTOS S.A.", the "Company", the "Parent"), was established on September 18th 1991. The Company's registered address is: ul. Elbląska 135, 80-718 Gdańsk, Poland.

The principal business activity of Grupa LOTOS S.A.'s Group (the "LOTOS Group" or the "Group") consists in the manufacturing and processing of refined petroleum products and their wholesale and retail sale. The Group's business also includes acquisition of crude oil and natural gas deposits and oil and gas production. Based on the classification applied by the Warsaw Stock Exchange, Grupa LOTOS S.A. is included in the fuel sector.

## 2. Composition of the Group and its changes

The LOTOS Group comprises: Grupa LOTOS S.A. (the Parent), a number of production, service and trading companies which are direct or indirect subsidiaries of Grupa LOTOS S.A., and the foundation.

Key information on the Group entities and on the Group's ownership interests in those entities is presented below.

			Group's owners	
Name	Registered office	Business profile	December 31st 2018	December 31st 2017
Parent				
Downstream segment				
Grupa LOTOS S.A.	Gdańsk	Manufacturing and processing of refined petroleum products (mainly fuels) and their wholesale	Not applicable	Not applicable
Direct fully-consolidated subsidiar	ries			
Upstream segment				
LOTOS Upstream Sp. z o.o. (parent of another group: LOTOS Upstream Group)	Gdańsk	Activities of head offices and holdings	100.00%	100.00%
LOTOS Petrobaltic S.A. (parent of another group: LOTOS Petrobaltic Group)	Gdańsk	Acquisition of crude oil and natural gas deposits, extraction of hydrocarbons	99.99%	99.99%
Downstream segment				
• LOTOS Paliwa Sp. z o.o.	Gdańsk	Wholesale and retail sale of fuels and light fuel oil, management of the LOTOS service station network	100.00%	100.00%
• LOTOS Oil Sp. z o.o.	Gdańsk	Manufacturing and sale of lubricating oils and lubricants, and sale of base oils	100.00%	100.00%
LOTOS Asfalt Sp. z o.o.	Gdańsk	Manufacturing and sale of bitumens	100.00%	100.00%
• LOTOS Kolej Sp. z o.o.	Gdańsk	Railway transport	100.00%	100.00%
• LOTOS Serwis Sp. z o.o.	Gdańsk	Maintenance of mechanical and electric operations and controlling devices, overhaul and repair services	100.00%	100.00%
LOTOS Lab Sp. z o.o. (parent of another group: LOTOS Lab Group)	Gdańsk	Laboratory testing	100.00%	100.00%
• LOTOS Straż Sp. z o.o.	Gdańsk	Fire service activities	100.00%	100.00%
• LOTOS Ochrona Sp. z o.o.	Gdańsk	Security services	100.00%	100.00%
<ul> <li>LOTOS Terminale S.A. (parent of another group: LOTOS Terminale Group)</li> </ul>	Czechowice- Dziedzice	Storage and distribution of fuels	100.00%	100.00%
• LOTOS Infrastruktura S.A. (parent of another group: LOTOS Infrastruktura Group)	Jasło	Storage and distribution of fuels, renting and operating of own or leased real estate	100.00%	100.00%
LOTOS Gaz S.A. w likwidacji (in liquidation)	Kraków	Dormant	100.00%	100.00%
Non-consolidated direct subsidiar	ies <sup>(1)</sup>			
Infrastruktura Kolejowa Sp. z o.o. w likwidacji (in liquidation) (2)	Gdańsk	Dormant	100.00%	100.00%
LOTOS Foundation	Gdańsk	Socially beneficial activity within the scope of public tasks defined in the Act on Public Benefit and Volunteer Work. The Foundation does not conduct any business activity.	100.00%	100.00%



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Nome	Registered	Description of hypiness	Group's ownersh	•
Name	office	Description of business	December 31st I 2018	December 31st 2017
Indirect fully-consolidated subsidia	ries			
Downstream segment				
LOTOS Lab Group  • LOTOS Vera Sp. z o.o.  LOTOS Infrastruktura Group	Warsaw	Manufacture of passenger cars	100.00%	100.00%
RCEkoenergia Sp. z o.o.	Czechowice- Dziedzice	Production and distribution of electricity, heat and gas	100.00%	100.00%
LOTOS Terminale Group				
LOTOS Biopaliwa Sp. z o.o.	Czechowice- Dziedzice	Production of fatty acid methyl esters (FAME)	100.00%	100.00%
Upstream segment LOTOS Upstream Group				
LOTOS Exploration and Production Norge AS	Norway, Stavanger	Oil exploration and production on the Norwegian Continental Shelf, provision of services incidental to oil and gas exploration and production	100.00%	100.00%
AB LOTOS Geonafta (parent of another group: AB LOTOS Geonafta Group)	Lithuania, Gargždai	Crude oil exploration and production, drilling services, and purchase and sale of crude oil	100.00%	100.00%
UAB Genciu Nafta	Lithuania, Gargždai	Crude oil exploration and production	100.00%	100.00%
UAB Manifoldas	Lithuania, Gargždai	Crude oil exploration and production	100.00%	100.00%
LOTOS Upstream UK Ltd.	London, United Kingdom	Exploration for and production of crude oil and gas	100.00% (3)	-
LOTOS Petrobaltic Group  • Aphrodite Offshore Services N.V.	Curação	Dormant	_ (4)	99.99%
B8 Sp. z o.o.	Curaçao Gdańsk	Dormant Support activities for extraction and quarrying operations	99.99%	99.99%
B8 Spółka z ograniczoną odpowiedzialnością BALTIC S.K.A.	Gdańsk	Exploration for and production of crude oil and natural gas	99.99%	99.99%
Miliana Shipholding Company Ltd. (parent of another group: Miliana Shipholding Company Group)	Nicosia, Cyprus	Storage and transport of crude oil, other sea transport services	99.99%	99.99%
<ul> <li>Technical Ship Management Sp. z o.o. (parent of another group: Technical Ship Management Group)</li> </ul>	Gdańsk	Sea transport support activities, ship operation advisory services	99.99%	99.99%
• SPV Baltic Sp. z o.o.	Gdańsk	Provision of sea transport and related services	99.99%	99.99%
• SPV Petro Sp. z o.o.	Gdańsk	Support activities for oil and gas production, sea transport, ship operation advisory services	99.99% (5)	-
Miliana Shipmanagement Ltd.	Nicosia, Cyprus	Provision of sea transport and related services	99.99%	99.99%
<ul> <li>Miliana Shipping Group Ltd. (parent of another group: Miliana Shipping Group)</li> </ul>	Nicosia, Cyprus	Management of own assets	99.99%	99.99%
<ul> <li>Bazalt Navigation Company Ltd.</li> </ul>	Nicosia, Cyprus	Ship chartering	99.99%	99.99%
<ul> <li>Granit Navigation Company Ltd.</li> </ul>	Nicosia, Cyprus	Ship chartering	99.99%	99.99%
<ul> <li>Kambr Navigation Company Ltd.</li> </ul>	Nicosia, Cyprus	Ship chartering	99.99%	99.99%
<ul> <li>St. Barbara Navigation Company Ltd.</li> </ul>	Nicosia, Cyprus	Ship chartering	99.99%	99.99%
Petro Icarus Company Ltd.	Nicosia, Cyprus	Ship chartering	99.99%	99.99%
<ul> <li>Petro Aphrodite Company Ltd.</li> </ul>	Nicosia, Cyprus	Ship chartering	99.99%	99.99%
Energobaltic Sp. z o.o.	Władysławowo	Production of electricity, heat, LPG and natural gas condensate	99.99%	99.99%

<sup>(1)</sup> The companies were excluded from consolidation due to immateriality of the amounts disclosed in their financial statements as at December 31st

For information on the Group's interests in equity-accounted joint ventures, see Note 14.

<sup>(</sup>IFRS 10 Consolidated Financial Statements).

(2) On June 28th 2018, the Extraordinary General Meeting of Infrastruktura Kolejowa Sp. z o.o passed a resolution to dissolve the company and put it into liquidation.

(3) A new company with a share capital of GBP 15 thousand. A wholly-owned subsidiary of LOTOS Upstream Sp. z o.o.

(4) In H1 2018, the company was liquidated.

(5) A new company with a share capital of PLN 5 thousand; a wholly-owned subsidiary of Technical Ship Management Sp. z o.o.



(PLNm)

## 3. Basis of preparation

These consolidated financial statements ("consolidated financial statements", "financial statements") have been prepared in accordance with the International Financial Reporting Standards ("IFRS") endorsed by the European Union and in effect as at December 31st 2018.

These consolidated financial statements have been prepared on the assumption that the Group companies will continue as going concerns in the foreseeable future. As at the date of authorisation of these financial statements for issue, no circumstances were identified which would indicate any threat to the Group companies' continuing as going concerns.

#### 4. New standards and interpretations

The following new standards, amendments to existing standards and interpretations have been endorsed by the European Union (the "EU"):

- Amendments to IFRS 2 Share-based Payment Classification and Measurement of Share-Based Payment Transactions (effective for annual periods beginning on or after January 1st 2018),
- Amendments to IFRS 4 Insurance Contracts Applying IFRS 9 Financial Instruments with IFRS 4 Insurance Contracts (effective for annual periods beginning on or after January 1st 2018 or from the first-time application of IFRS 9 Financial Instruments),
- Amendments to IFRS 15 Revenue from Contracts with Customers Clarifications to IFRS 15 Revenue from Contracts with Customers (effective for annual periods beginning on or after January 1st 2018),
- Amendments to IAS 40 Investment Property Transfers of Investment Property (effective for annual periods beginning on or after January 1st 2018).
- Amendments to IFRS 1 and IAS 28 resulting from Annual Improvements to IFRS Standards 2014–2016 Cycle amendments made as
  part of the annual IFRS improvements project (IFRS 1, IFRS 12, and IAS 28) primarily to correct conflicts and clarify wording (the
  amendments to IFRS 1 and IAS 28 are effective for annual periods beginning on or after January 1st 2018),
- IFRIC 22 Foreign Currency Transactions and Advance Consideration (effective for annual periods beginning on or after January 1st 2018).
- IFRS 16 Leases (effective for annual periods beginning on or after January 1st 2019),
- Amendments to IFRS 9 Financial Instruments Prepayment Features with Negative Compensation (effective for annual periods beginning on or after January 1st 2019),
- IFRIC 23 Uncertainty over Income Tax Treatments (effective for annual periods beginning on or after January 1st 2019).

#### New standards, amendments to existing standards and interpretations which have not been endorsed by the European Union:

- IFRS 14 Regulatory Deferral Accounts (effective for annual periods beginning on or after January 1st 2016),
- IFRS 17 Insurance Contracts (effective for annual periods beginning on or after January 1st 2021),
- Amendments to IFRS 3 Business Combinations Definition of a Business (effective for business combinations for which the acquisition
  date is on or after the beginning of the first annual reporting period beginning on or after January 1st 2020 and to asset acquisitions that
  occur on or after the beginning of that period),
- Amendments to IFRS 10 Consolidated Financial Statements and IAS 28 Investments in Associates and Joint Ventures: Sale or Contribution of Assets between an Investor and its Associate or Joint Venture, and subsequent amendments (the effective date of the amendments has been postponed until the research project on the equity method has been concluded),
- Amendments to IAS 1 Presentation of Financial Statements and IAS 8 Accounting Policies, Changes in Accounting Estimates and Errors

   Definition of Materiality (effective for annual periods beginning on or after January 1st 2020),
- Amendments to IAS 19 Employee Benefits Plan Amendment, Curtailment or Settlement (effective for annual periods beginning on or after January 1st 2019),
- Amendments to IAS 28 Investments in Associates and Joint Ventures Long-term Interests in Associates and Joint Ventures (effective for annual periods beginning on or after January 1st 2019),
- Amendments to various standards introduced as part of the Annual Improvements to IFRS Standards 2015–2017 Cycle amendments
  made to IFRS 3, IFRS 11, IAS 12 and IAS 23 primarily to correct conflicts and clarify wording (effective for annual periods beginning on
  or after January 1st 2019),
- Amendments to References to the Conceptual Framework in IFRS Standards (effective for annual periods beginning on or after January 1st 2020).

The effective dates are stated in relevant standards issued by the International Accounting Standards Board. The dates of application of standards in the EU may differ from the effective dates stated in those standards and are announced upon their endorsement by the EU.

The Group has not elected to early adopt any of the standards, interpretations, or amendments endorsed by the EU which were not effective as at December 31st 2018.



(PLNm)

## Effect of applying new standards

The accounting policies applied in preparing these financial statements are consistent with the policies applied in preparing the Company's financial statements for the year ended December 31st 2017, save for the effect of applying new or amended standards and interpretations effective for annual periods beginning on or after January 1st 2018.

#### IFRS 9 Financial Instruments

The new IFRS 9 removes the categories of financial assets under IAS 39 and introduces classification of instruments as measured at fair value (fair value through profit or loss – FVTPL, or fair value through other comprehensive income – FVTOCI) or at amortised cost. The Group adopted IFRS 9 *Financial Instruments* from its effective date, i.e. January 1st 2018, without restating the comparative data as at December 31st 2017.

#### Measurement of financial assets and liabilities

Upon initial recognition, the entity measures financial assets at amortised cost, at fair value through other comprehensive income or at fair value through profit or loss. The entity classifies a financial asset based on its business model of financial asset management and the asset's contractual cash flow characteristics ('SPPI'). For a description of the accounting policies for classification and measurement of assets and liabilities, see Note 7.20.

The table below presents the effect of implementation of IFRS 9 on the change in the classification of the Company's financial assets as at January 1st 2018:

Item	Measurement category IAS 39	Measurement category IFRS 9	Carrying amount in accordance with IAS 39 as at December 31st 2017	Carrying amount in accordance with IFRS 9 as at January 1st 2018
Financial assets				
Derivative financial instruments	Financial assets through profit or loss	Measured at fair value through profit or loss	164.5	164.5
Trade receivables	Loans and receivables	Amortised cost	2,677.0	2,677.0
Cash and cash equivalents	Loans and receivables	Amortised cost	1,920.7	1,920.7
Other financial assets	Loans and receivables	Amortised cost	429.9	429.9
Shares*	Financial assets available for sale	Measured at fair value through other comprehensive income	9.8	9.8
Total financial assets			5,201.9	5,201.9

<sup>\*</sup> Measured at historical cost as at December 31st 2017

The Group did not make any changes to the classification and measurement of its financial liabilities.

## Impairment

The application of IFRS 9 substantially changes the approach to impairment of financial assets by replacing the incurred loss model with the concept of expected loss, where all the expected credit losses are recognised *ex-ante*. Upon the application of IFRS 9, the impairment loss as at January 1st 2018 remained largely unchanged, therefore no adjustments were made. For information on the accounting policies for impairment of financial assets, see Note 7.21.

## Hedge accounting

The Group has elected the option to continue to apply the existing requirements of IAS 39 as of January 1st 2019 and not to apply the new hedge accounting requirements of IFRS 9.

## IFRS 15 Revenue from Contracts with Customers and Clarifications to IFRS 15

IFRS 15 Revenue from Contracts with Customers, which is to replace IAS 18, IAS 11 and the related interpretations, establishes in a systematic way the principles for recognition of revenue from contracts with customers. The standard introduces, among other things, a single five-step model for revenue recognition, applicable to all contracts with customers and based on the identification of performance obligations under a contract and allocation of transaction revenue to such obligations. IFRS 15 also clarifies how variable consideration should be estimated and how to determine whether a contract includes a financing component, and differentiates between recognition of performance obligations under a contract as satisfied over time or satisfied at a certain point in time.

The Group implemented IFRS 15 using the modified retrospective method, that is with the cumulative effect of the first-time application of the standard recognised at the date of initial application, i.e. as at January 1st 2018.

The Group applied IFRS 15 retrospectively only to contracts that are not completed contracts at the date of initial application.

The Group applied the following practical expedients permitted under IFRS 15:

- with respect to the recognition of the effect of a significant financing component the Group does not adjust the promised amount of consideration for the effect of a significant financing component if it expects, at contract inception, that the period between when the Group transfers a promised good or service to the customer and when the customer pays for that good or service will be one year or less;
- with respect to additional costs to obtain a contract the Group recognises additional costs to obtain a contract as an
  expense when incurred if the amortisation period of the asset that would otherwise be recognised by the Company is one
  year or less;
- in the case of contracts for continuing services, under which the Group is entitled to receive from a customer a consideration in an amount that corresponds directly to the value of the services which the customer received so far, the Group recognises the revenue in the amount it is entitled to invoice.



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The cumulative effect of implementation of IFRS 15 on the items of the statement of financial position as at January 1st 2018 is as follows:

	IAS 18/11 December 31st 2017	Effect of changes in accounting policies	IFRS 15 January 1st 2018
ASSETS	6,236.6	(14.8)	6,221.8
Current assets	6,236.6	(14.8)	6,221.8
Inventories	3,559.6	30.8	3,590.4
Trade receivables	2,677.0	(45.6)	2,631.4
EQUITY AND LIABILITIES	10,843.9	(14.8)	10,829.1
Equity			
Retained earnings	8,432.2	(8.7)	8,423.5
Non-current liabilities			
Deferred tax liabilities	210.0	(31.0)	179
Current liabilities			
Trade payables	2,201.7	24.9	2,226.6

The table below presents the amounts which affect the financial statements in the current reporting period following the application of IFRS 15 in comparison with IAS 11, IAS 18 and the related interpretations which were effective prior to the change.

Effect on the statement of comprehensive income for the year ended December 31st 2018:

	Amounts recognised in accordance with IFRS 15	Effect of changes in accounting policies	Amounts without the effect of applying IFRS 15*
Revenue	30,121.7	(7.4)	30,114.3
Cost of sales	(25,592.7)	(6.3)	25,599.0
Gross profit	4,529.0	(13.7)	4,515.3
Profit before tax	2,722.6	(13.7)	2,708.9
Corporate income tax	(1,135.2)	10.7	(1,124.5)
Net profit	1,587.4	(3.0)	1,584.4

<sup>\*</sup>The column presents the amounts determined in such a manner as if IAS 11, IAS 18 and the related interpretations applied in the current reporting period.

The nature of adjustments as at January 1st 2018 and the reason of key changes affecting the statement of financial position as at December 31st 2018 and the statement of comprehensive income for the year ended December 31st 2018 are presented below:

The Group changed its accounting policy for recognising revenue from sale of hydrocarbons produced from the fields on the Norwegian Continental Shelf in which the Group holds interests. Previously, the Group applied the entitlements (rights) method, according to which revenue is always recognised in the books in proportion to the Group's interest in actual production from the field. Under the newly adopted sales method, revenue is recognised when the product is transferred to the customer and all performance obligations set forth in IFRS 15 are met. The Group believes that the replacement of the previously applied entitlements method with the sales method affects the timing of revenue recognition and ensures compliance of revenue recognition with IFRS 15. The interest in that portion of output which has not been sold and which is allocated to the Group is recognised in accordance with IAS 2 and presented in the consolidated statement of financial position under Inventories.

For logistical reasons, when hydrocarbons are produced from a field by a number of interest holders there are natural differences between the volumes actually produced by the individual interest holders and their respective contractual shares in production. Thus, it is necessary to apply a special mechanism to account for such differences. In accordance with the sales method adopted by the Group, the overlift party, i.e. the interest holder who in a given production cycle produces hydrocarbons in excess of its contractual interest in production from the field, recognises the excess in its financial statements not as revenue, but as a liability to return the produced hydrocarbons. In accordance with contracts, the differences are settled among interest holders in kind (by transferring hydrocarbons). Therefore, the Group measures the liability referred to above based on the average six-month cost to reflect the fair value of expected consideration. Differences on measurement of the liability measured as described above are recognised in the consolidated statement of comprehensive income as Cost of sales.

In accordance with the entitlements method applied by the Group until December 31st 2017, revenue was always recognised in the Group's accounting books in accordance with its entitlement to production from the field. The correct amount of revenue in the financial statements was arrived at in the following manner: the overlift party, i.e. the interest holder which received hydrocarbons in excess of its contractual share of production from a field in a given period, recognised the excess in its accounting books as a liability rather than revenue. Conversely, the underlit party (the party receiving less than its entitlement in a given period) recognised the underlit as a receivable (revenue). In the consolidated statement of financial position, liabilities and receivables under the entitlements method as at December 31st 2017 are presented as: Trade payables and Trade receivables.



(PLNm)

## Assessment of the effect of implementation of IFRS 16 Leases on the financial statements

#### IFRS 16 Leases

IFRS 16 is effective for annual periods beginning on or after January 1st 2019 and has been endorsed by the European Union. It replaces IAS 17 as well as IFRIC 4. SIC-15 and SIC-27.

The new standard introduces a single lease accounting model in the lessee's accounting books, which is similar to the recognition of finance leases under IAS 17. Under IFRS 16, a contract is a lease or contains a lease component if it transfers the right to control the use of the identified asset for a given period for consideration.

An essential element that differentiates the definitions of lease under IAS 17 and IFRS 16 is the requirement to exercise control over a specific asset used, identified in the contract explicitly or implicitly. The right-of-use is conveyed where the lessee has both the right to direct the identified asset's use and to obtain substantially all the economic benefits from that use in the period.

If the definition of lease is satisfied, the lessee recognises a right-of-use asset and a lease liability, initially measured at the amount of discounted future lease payments to be made over the lease term.

Expenditure related to the use of leased assets, previously largely included in cost of services, will now be classified as depreciation and interest expense.

Right-of-use assets are depreciated using the straight-line method, while the lease liabilities are settled using the effective interest rate.

## Effect of IFRS 16 on the financial statements

The Group carried out an analysis aimed at identifying the agreements under which it uses assets owned by third parties. Each of the agreements so identified was reviewed in terms of satisfying the criteria to be classified as a lease in accordance with IFRS 16. Based on the review, the effect of IFRS 16 on the individual items of the Group's financial statements was calculated.

The Group also made appropriate changes to its accounting policies and operational procedures. It developed and implemented methodologies for correct identification of agreements which are leases as well as for collection of data necessary to correctly account for such transactions. In addition, the Group is in the process of implementing appropriate changes in its IT systems to adapt them to collecting and processing of relevant data.

The Group decided to implement the standard starting from January 1st 2019. In accordance with the transitional provisions of IFRS 16, the new policies were adopted retrospectively: the cumulative impact of applying IFRS 16 was accounted for as an adjustment to equity as at January 1st 2019. Accordingly, the comparative data for the financial year 2018 will not be restated (modified retrospective approach).

IFRS 16 introduces a new definition of lease. However, the Company will use a practical expedient for transition and will not re-assess whether the contracts previously classified include leases. Therefore, the definition of lease compliant with IAS 17 and IFRIC 4 will continue to apply to lease contracts, concluded or amended before January 1st 2019.

Below are presented the individual adjustments made due to the implementation of IFRS 16.

## Description of adjustments

## Recognition of lease liabilities

Upon adopting IFRS 16, the Group will recognise lease liabilities with respect to agreements which were previously classified as operating leases in compliance with IAS 17. These liabilities have been measured at the present value of lease payments outstanding at the start of application of IFRS 16, discounted using the interest rate implicit in the lease, calculated on the basis of the Group's incremental borrowing rate as at the date of adoption of the standard (January 1st 2019).

Lease payments included in initial measurement of the lease liability comprise the following types of lease payments for the right to use the leased asset over the lease term:

- fixed lease payments net of any lease incentives,
- variable lease payments that depend on market indices,
- amounts expected to be payable by the lessee under residual value guarantees,
- the exercise price of a purchase option if the lessee is reasonably certain to exercise that option,
- lease termination penalties if the lessee is entitled to exercise the option to terminate the lease.

To calculate discount rates for the purposes of IFRS 16, the Group assumed that the discount rate should reflect the cost that it would have to pay to borrow the funds necessary to purchase the leased asset. In order to estimate the discount rate, the Group took into account the following parameters of a potential borrowing agreement: agreement type, duration and currency, as well as the margin it would have to pay to the financial institution to obtain the financing.

The Group intends to use the practical expedients available with respect to short-term leases (12 months or less) and leases where the underlying asset has a low value (below PLN 20 thousand) for all asset categories. For those leases, the Group will not recognise the right-of-use assets and associated financial liability. In the case of these leases, the Group will account for lease payments as an expense on a straight-line basis over the lease term. The Group will not separate non-lease and lease components for leases concerning all classes of underlying assets.

## Use of practical expedients

When first applying IFRS 16, the Group will opt for the following practical expedients available under the standard:

- it will apply a single discount rate to a portfolio of leases with reasonably similar characteristics,
- operating leases whose remaining term as at January 1st 2019 is less than 12 months will be treated as short-term leases,
- it will exclude the initial direct costs from the measurement of the right-of-use asset at the date of initial application, and
- it will use hindsight in determining the lease term if the contract contains options to extend or terminate the lease.



(PLNm)

#### Effect on the statement of financial position

Estimated effect of implementation of IFRS 16 on the recognition of additional financial liabilities and related right-of-use assets:

	January 1st 2019
Right-of-use assets	
Land	626.5
Buildings and structures	9.9
Service stations	141.0
Vehicles	314.2
Total right-of-use assets	1,091.6
Lease liabilities	
Non-current liabilities	885.6
Current liabilities	206.0
Total lease liabilities	1,091.6

#### Effect on equity

The implementation of IFRS 16 will have no effect on retained earnings or equity as at January 1st 2019 due to the fact that the right-of-use assets and lease liabilities will be recognised in the same amount.

#### Effect on financial ratios

Given the fact that practically all lease contracts will be recognised in the consolidated statement of financial position, the implementation of IFRS 16 by the Group will affect its balance sheet ratios, including the debt to equity ratio. In addition, the implementation of IFRS 16 will result in changes to the profits metrics (e.g. operating profit, EBITDA) and to cash flows from operating activities. The Group has analysed the implications of these changes for the fulfilment of covenants contained in its credit facility agreements. No risk of default has been identified.

### 5. Use of accounting assumptions, estimates and judgements

The preparation of financial statements in accordance with the International Financial Reporting Standards requires a number of assumptions, judgements and estimates which affect the value of items disclosed in these financial statements.

Although the assumptions and estimates are based on the management's best knowledge of the current and future events and developments, the actual results might differ from the estimates.

The estimates and underlying assumptions are reviewed on an ongoing basis. Any change in an accounting estimate is recognised in the period in which it was made if it refers exclusively to that period, or in the current period and future periods if it refers to both the current period and future periods. Material assumptions used in making the estimates are described in the relevant notes to these financial statements.

While making assumptions, estimates and judgements, the Company's Management Board (Management Board) relies on its experience and knowledge and may take into consideration opinions, analyses and recommendations issued by independent experts.

## Critical assumptions and estimates

## Employee benefit obligations

Employee benefit obligations are estimated using actuarial methods. For information on the actuarial assumptions and valuation of employee benefit obligations, see Note 24.3.

## Depreciation and amortisation

Depreciation and amortisation of the assets of onshore and offshore oil and gas extraction facilities is calculated (using the units-of-production method) based on 2P hydrocarbon reserve estimates (proved and probable reserves), evaluated, revised and updated by the Group, as well as forecast production volumes from the individual oil and gas fields based on geological data, test production, subsequent production data and the schedule of work adopted in the long-term strategy.

Depreciation and amortisation charges on refining and other non-current assets are determined based on the expected useful lives of property, plant and equipment and intangible assets. The Group reviews the useful lives of its assets annually, based on current estimates. The relevant estimate update which had an effect on the Group's financial statements for 2018 applied in the first place to the Parent, which recorded a PLN 0.6m decrease in depreciation or amortisation of these assets.

## Fair value of financial instruments

The fair value of financial instruments for which no active market exists is determined by means of appropriate valuation methods. In selecting the methods and assumptions appropriate for these objectives, the Group relies on professional judgement. For more information on the assumptions adopted for the measurement of fair value of financial instruments, see Note 7.20.

## Deferred tax assets

The Group recognises deferred tax assets if it is assumed that taxable income will be generated in the future against which the assets can be utilised. If taxable profit deteriorates in the future, this assumption may prove invalid. The Parent's Management Board reviews its estimates regarding the likelihood of recovering deferred tax assets taking into account changes in the factors on which such estimates were based, new information and past experience.

For information on deferred tax assets, see Note 10.3.



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## Impairment of cash-generating units, individual items of property, plant and equipment, and intangible assets

If there is any indication of impairment, the Group estimates the recoverable amounts of assets and cash-generating units. While determining the recoverable amount, such key variables as discount rates, growth rates and price indices are taken into account.

As at December 31st 2018, following an analysis of cash flows for individual cash-generating units and the required impairment tests for assets, the Group made necessary adjustments to assets and disclosed detailed information on the test assumptions and results in Note 13.

## Provision for decommissioning of the upstream segment's facilities and site restoration

As at the end of each reporting period, the Group analyses the costs necessary to decommission oil and gas extraction facilities and the expenditure to be incurred on future site restoration. As a result of those analyses, the Group adjusts the value of the site restoration provision recognised in previous years to reflect the estimated amount of necessary future costs. Any changes in the estimated time value of money are also reflected in the amount of the provision. For information on the rules for recognition of those provisions and information on provisions disclosed in these financial statements for 2018, see Note 7.24.1 and Note 25.1, respectively.

#### Professional judgement in accounting

#### Joint control of an investee or operation

The Group and two or more investors jointly control an investee when they must act together to direct the relevant activities. In such cases, because no investor can direct the activities without the cooperation of other investors, no investor individually controls the investee. The Group assesses whether it shares control of an arrangement, which – in accordance with IFRS 11 *Joint Arrangements* – may be defined either as a joint venture or a joint operation, taking into consideration whether all parties to the arrangement have control of it, whether they share exposure, or rights, to variable returns from their involvement with the investee, and whether they have the ability to jointly use their power over the investee to affect the amount of their returns.

As at the end of the reporting period, the Group was involved in joint operations under projects carried out in the Heimdal fields in Norway, and in joint ventures (see Note 14), as defined in IFRS 11, and in that respect, considering all facts and circumstances, it had joint control.

As at December 31st 2018, the Group also held interests in the Sleipner gas fields in Norway. Upon their acquisition in December 2015 (see Note 13.1.3 in the consolidated financial statements for 2015), the Group entered into an agreement with the other holders of the Sleipner, Gungne, Loke, Alfa Sentral and PL046D licences. Considering the IFRS 11 criteria, the Group's operations in those fields do not constitute joint arrangements as defined in the standard, and the Group does not have joint control of the operations, as there is more than one combination of parties that can agree to decisions about the relevant activities. Therefore, for the purpose of correct recognition and measurement of transactions related to the operations in the Sleipner fields, the Group applies other relevant IFRSs taking into account its interest in the fields, which ensures that there are no material differences in the accounting recognition and measurement of transactions related to these operations and the manner of recognising operations which are carried out jointly with the Heimdal licence interest holders and meet the definition of joint operations within the meaning of IFRS 11.

## Classification of lease contracts

The Group classifies its lease contracts as finance leases or operating leases based on the assessment of the extent to which the risks and rewards incidental to asset ownership have been transferred from the lessor to the lessee. Such assessment is in each case based on the economic substance of a given transaction. At the inception of a lease, the Group assesses all facts, circumstances and conditions, and specifies the objectives and intentions concerning the contract, in order to determine if substantially all the risks and rewards of ownership have been transferred to the lessee. In the event of material amendments to a lease, the Group performs a reassessment of the lease classification, applying the same rules as in the initial classification of the lease contract.

## Classification of natural gas and crude oil assets in financial statements

The Group classifies its natural gas and crude oil assets as exploration and evaluation assets, development assets or production assets, relying on its professional judgement.

Once the size of a deposit is confirmed and its production plan is approved, the expenditure on natural gas and crude oil assets is transferred from exploration and evaluation assets to appropriate items of property, plant and equipment or intangible assets classified as development or production assets.

The decision to present natural gas and crude oil assets in the financial statements under development assets or production assets is made taking into account all conditions and circumstances related to the upstream project and the subsequent production from the field.

For information on accounting policies concerning natural gas and crude oil assets, see Note 7.11. For presentation and details of those assets in these financial statements, see Note 13.2.

## 6. Change of information presented in previous reporting periods and change of accounting policies

The Group recorded no material changes of estimated amounts reported in prior periods, where such changes would have a material effect on the current reporting period.

## 7. Accounting policies

These consolidated financial statements have been prepared in accordance with the historical cost principle, with the exception of those financial instruments which are measured at fair value.

The key accounting policies applied by the Group are presented below.

## 7.1 Consolidation

These consolidated financial statements have been prepared on the basis of the financial statements of the Parent and financial statements of its subsidiaries and jointly-controlled entities, prepared as at December 31st 2018.

All significant balances and transactions between the related entities, including material unrealised profits on transactions, have been eliminated in their entirety. Unrealised losses are eliminated unless they are indicative of impairment.



(PLNm)

Subsidiaries are fully consolidated starting from the date when the Group assumes control over them and cease to be consolidated when the control is lost. According to IFRS 10 Consolidated Financial Statements, the Group controls an investee when it is exposed or has rights to variable returns from its involvement with the investee and has the ability to affect those returns through its power over the investee.

The Group and all other investors collectively control an investee when they must act together to direct the relevant activities. In such cases, because no investor can direct the activities without the cooperation of other investors, no investor individually controls the investee. Interests in joint ventures held by the Group (see Note 14) are accounted for with the equity method (see Note 7.27).

#### 7.2 Revenue

## Accounting policies applied since January 1st 2018 (IFRS 15)

Revenue from contracts with customers is recognised when the Group satisfies a performance obligation by transferring a promised good or service to a customer (which is when the customer obtains control of that good or service). In the statement of comprehensive income, revenue from contracts with customers is recognised as revenue from the Group's day-to-day operations (i.e., revenue from sales of products, services, merchandise and materials), adjusted for the result on settlement of derivatives hedging future cash flows. Contracts with customers are presented in the Group's statement of financial position as a contract asset or a contract liability, depending on the relationship between the Group's performance and the customer's payment. Only the Group's unconditional rights to receive consideration are presented on a separate basis as trade receivables (e.g., where an invoice has been issued to a customer or where it received another legal title requiring it to make payment by a specified deadline). Conditional rights (where the passage of time is not the only condition for payment) are presented as contract assets. If several obligations arise under a single contract with respect to which both contract assets and contract liabilities have been recognised, such assets and liabilities are presented in net amounts in the statement of financial position. Contract assets are recognised and measured in accordance with IFRS 9 Financial Instruments.

## Identifying contracts with customers

The Group carries out an analysis to determine whether the following criteria have been met before a contract is considered a 'contract with a customer':

- The contract between two or more parties has been concluded in writing, orally or in accordance with other customary business practices and has been approved by the parties;
- The contract identifies each party's rights and obligations regarding the goods or services and payment terms the contract should clearly indicate the point in time when control over the goods sold or services provided is passed to the customer. In the case of sale of goods, the point in time when control is passed is usually the time when goods are transferred to the customer. In the case of provision of services, especially over a longer period of time, the point in time at which control passes may not be readily identifiable. If the point in time at which control is passed has not been not specified in the contract or is not a customary business practice, then the contract fails to meet the criterion as the seller is unable to determine the time when revenue is recognised. The contract must also specify the payment method, amount and date;
- Each party expects to perform its contractual obligations and it is probable that for the transferred goods or services consideration will be collected which the Group is able to determine. When assessing the probability of payment at this stage, the Group considers only the customer's ability and intention to pay the consideration when it is due, and does not evaluate the amount of consideration to be received from the customer (such amount may differ from the contract price as a result of future discounts, rebates or other elements of variable consideration):
- The contract has commercial substance, which means that upon its performance, the risk, time and amount of the Group's future cash
  flows will change. If these parameters are not expected to change, it is rather unlikely that the contract has commercial substance.
  Planned cash flows do not have to change only through additional cash flows received from the customer, but also through decreasing
  outgoing cash flows from the seller, for example by receiving non-cash consideration from the customer;
- It is probable that the Group will receive the consideration to which it will be entitled in exchange for the goods or services that will be transferred to the customer.

## Identifying performance obligations

At the inception of the contract, the Group assesses the goods or services that have been promised to the customer and identifies as a performance obligation any promise to transfer to the customer a good or service (or bundle of goods or services) that is distinct or a series of distinct goods or services that are substantially the same and that have the same pattern of transfer to the customer.

A good or service is distinct if both of the following criteria are met:

- the customer can benefit from the good or services on its own or in conjunction with other readily available resources; and
- the Group's promise to transfer the good or service to the customer is separately identifiable from other promises in the contract.

## Determination of transaction price

In determining the transaction price, the Group takes into account not only fixed consideration, but also other components of consideration, such as variable consideration (i.e. the consideration amount that is contingent on the occurrence of a future event), non-monetary consideration, consideration due to the customer, and a significant financing arrangement. The price does not include amounts collected on behalf of another entity, i.e. VAT and other sales taxes (excise duty, fuel charge).

## Variable consideration

Some contracts with customers may contain variable remuneration amounts because of discounts, rebates, refunds, credits, incentives, performance bonuses, penalties, price concessions or other similar items.

The Group includes variable consideration in the transaction price if, and to the extent that, it is highly probable that its inclusion will not result in a significant revenue reversal in the future (prudence principle) and makes an estimate applying one of the following methods, depending on which one will make it possible to more accurately predict the amount of consideration to which it is entitled:

- the expected value method (the sum of the products of consideration amounts and the probabilities of their occurrence), which is applied
  if a large number of similar contracts are concluded and the contract may have more than two possible outcomes;
- the most likely outcome method (i.e. the most likely amount) if the contract has only two possible outcomes (e.g. with or without a bonus).

The selected method is consistently applied to the contract. The estimate is remeasured as at each reporting date. Adjustments to recognised revenue are disclosed in the period in which the remeasurement takes place (cumulative catch-up) – the total amount of recognised revenue should be equal to the amount which would have been recognised if the new information had been known to the Group from the beginning.

Non-cash consideration is measured at fair value and where it is not possible to make a reasonable estimate – directly by reference to the standalone selling price of the promised goods or services.



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Consideration due to the customer reduces the transaction price unless it is a payment for the goods or services purchased from the customer. Revenue will be reduced upon the occurrence of the latter of the following events:

- the Group recognises revenue from the transfer of related goods or services to the customer; or
- the Company pays or undertakes to pay consideration (even if such payment is contingent on the occurrence of a future event).

At the end of each reporting period occurring during the term of the contract, the Group updates its estimates affecting the transaction price. Any change in the transaction price is allocated to all performance obligations unless the variable consideration relates to only one or more than one (but not all) such obligations.

#### Allocating the transaction price to performance obligations

The Group allocates the transaction price to each performance obligation (or to a distinct good or service) in an amount that reflects the amount of consideration to which the Group expects to be entitled in exchange for transferring the promised goods or services to the customer.

#### Satisfaction of performance obligations

If a performance obligation is satisfied at a point in time, revenue is recognised as control over a product, good or service is passed (i.e., when the ability to direct the use and obtain substantially all benefits from that product, good or service is passed).

Factors that may indicate the point in time at which control passes include, but are not limited to:

- the Group has a present right to payment for the asset,
- the customer has legal title to the asset,
- · the customer has physical possession of the asset,
- the customer has the significant risks and rewards related to the ownership of the asset,
- the customer has accepted the asset.

Revenue from sale of products, merchandise and materials is recognised in profit or loss on a one-off basis at a point in time being the time when the performance obligation is satisfied (defined, in particular, on the basis of INCOTERMS).

In the case of contracts for continuing services, under which the Group is entitled to receive from a customer a consideration in an amount that corresponds directly to the value of the services which the customer has received so far, the Group recognises the revenue in the amount it is entitled to invoice.

### Principal versus agent considerations

When another party is involved in providing goods or services to a customer, the Group determines whether its performance obligation is to provide the good or service (i.e., the Group is a principal) or to arrange for another party to provide the good or service (i.e., the Group is an agent).

The Group is a principal if it controls the promised good or service before transferring it to the customer. However, the entity is not acting as a principal if it obtains legal title to a specified good only momentarily before legal title is transferred to a customer. A principal may satisfy its performance obligation to provide the specified good or service itself or it may engage another party (e.g. a subcontractor) to satisfy some or all of the performance obligation on its behalf. In such circumstances, the Group recognises revenue in the gross amount to which it expects to be entitled in exchange for the specified goods or services transferred.

The Group is an agent if its performance obligation is to arrange for the provision of the specified good or service by another party. In such a case, the Company recognises revenue in the amount of any fee or commission to which it expects to be entitled in exchange for arranging for the specified goods or services to be provided by the other party.

## Significant financing component

With regard to contracts with customers for whom the interval between transfer of the promised goods or services and payment by the customer is expected to be more than one year, the Group determines whether the contracts include a significant financing component. In order to determine the transaction price, the Group adjusts the promised amount of consideration for a significant financing component using the discount rate that would be reflected in a separate financing transaction between the entity and the customer at contract inception.

The Group has decided not to adjust the promised amount of consideration for the effect of a significant financing component if the Group expects, at contract inception, that the period between when the Group transfers a promised good or service to the customer and when the customer pays for that good or service will be one year or less. Therefore, the Group does not identify a significant financing component for short-term advance payments.

## Non-cash consideration

Where a customer promises consideration in a form other than cash, in order to determine the transaction price the Group measures the non-cash consideration (or promise of non-cash consideration) at fair value. When the fair value of the non-cash consideration cannot be reasonably estimated, the consideration is measured indirectly by reference to the stand-alone selling price of the goods or services promised to the customer (or class of customer) in exchange for the consideration.

## Guarantees

The Group provides a guarantee for sold products, ensuring that a product conforms to the specifications agreed upon by the parties. The Group recognises such guarantees in accordance with IAS 37 *Provisions, Contingent Liabilities and Contingent Assets.*Some non-standard contracts with customers may contain extended guarantees. Such guarantees form a separate service which is recognised as

## Capitalised costs to obtain a contract

a performance obligation and to which part of the transaction price is allocated.

The Group recognises additional costs to obtain a contract with a customer as an asset if the costs are expected to be recovered. The additional costs to obtain a contract are those costs incurred by an entity to obtain a contract with a customer which the entity would not have incurred if the contract had not been concluded. Costs to obtain a contract that would have been incurred regardless of whether the contract was obtained are recognised as an expense when incurred, unless the costs are explicitly chargeable to the customer regardless of whether the contract is obtained. The Group recognises incremental costs to obtain a contract as an expense when they are incurred if the amortisation period of the asset that would otherwise be recognised by the Group is one year or less. An asset is amortised on a systematic basis that is consistent with the transfer to the customer of the goods or services to which the asset relates. The Group updates the amortisation period to reflect a significant change in the expected period of delivering the goods or services to which the asset relates to the customer.

## Contract assets

As contract assets, the Group recognises the right to consideration in exchange for goods or services transferred to a customer when that right is conditioned on something other than the passage of time (for example, the entity's future performance). The Group assesses whether there is any impairment of a contract asset in the same way as in the case of a financial asset in accordance with IFRS 9.



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## Receivables

Under receivables, the Group recognises the right to consideration in exchange for goods or services transferred to a customer if the right is unconditional (only the passage of time is required before payment of that consideration is due.). The Group recognises a receivable in accordance with IFRS 9. On initial recognition of a contract receivable, any difference between the measurement of the receivable in accordance with IFRS 9 and the corresponding amount of revenue previously recognised are recognised as an expense (impairment loss).

#### Contract liabilities

Under contract liabilities, the Group recognises such consideration received or receivable from a customer which relates to the obligation to transfer goods or services to the customer.

#### Right of return assets

Under right of return assets, the Group recognises the right to recover products from customers on settling the refund liability.

#### Refund liabilities

The Group recognises a refund liability if, having received consideration from a customer, the Group expects to refund a part or all of that consideration to the customer. A refund liability is measured as the amount of consideration received (or receivable) to which the Group does not expect to be entitled (i.e. amounts not included in the transaction price). The refund liability (as well as a corresponding change in the transaction price and the related change in the contract liability) is updated at the end of each reporting period for changes in circumstances.

#### Accounting policies applied until December 31st 2017 (IAS 18)

Revenue is disclosed at the fair value of consideration received or due for the sale of products, merchandise and services, executed in the ordinary course of business, less discounts, value added tax (VAT) and other sales-related taxes (excise duty, fuel charge). Revenue from sale of products and merchandise is recognised at the moment of delivery, when material risks and rewards resulting from the ownership of the products and merchandise have been transferred to the purchaser. Revenue from sale of crude oil and natural gas in Norway is recognised and disclosed using the entitlements (rights) method.

The entitlements method is one of two methods for recognition of revenue commonly applied by oil and gas producers (with the sales method as the alternative) and allowed under IFRS. The Management Board believes that the entitlements method ensures a fair and accurate presentation of the assets, financial performance and profitability of the Group's joint operations in oil and gas producing fields. For logistical reasons, when hydrocarbons are produced from a field by a number of interest holders there are natural differences between the volumes actually produced by the individual interest holders and their respective contractual shares in production. Thus, it is necessary to apply a special mechanism to account for such differences. In accordance with the entitlements method applied by the Group, revenue is always recognised in the Group's accounting books in accordance with its entitlement to production from the field. The correct amount of revenue in the financial statements is arrived at in the following manner: the overlift party, i.e. the interest holder which receives hydrocarbons in excess of its contractual share of production from a field in a given period, recognises the excess in its accounting books as a liability rather than revenue. Conversely, the underlit party (the party receiving less than its entitlement in a given period) recognises the underlit as a receivable (revenue). In the consolidated statement of financial position, liabilities and receivables under the entitlements method are <u>presented as:</u> Trade payables and Trade receivables.

## 7.3 Dividend income

Dividend is recognised as finance income as at the date on which the appropriate governing body of the dividend payer resolves on distribution of profit, unless the resolution specifies another dividend record date. Although this classification policy does not follow directly from IAS 18, the Group decided to disclose dividend income under finance income since this is a common practice among entities, other than financial institutions, applying IFRSs. The Group applies this classification policy in a consistent manner.

## 7.4 Interest income

Interest income is recognised as the interest accrues (using the effective interest rate), unless its receipt is doubtful. The Group recognises interest income under finance income, following a common (and commonly accepted) practice among entities, other than financial institutions, applying IFRSs. The Group applies this classification policy in a consistent manner.

## 7.5 Income tax

Mandatory decrease in profit/(increase in loss) comprises current income tax (CIT) and deferred income tax. The current portion of income tax is calculated based on net profit/(loss) (taxable income) for a given financial year. Net profit/(loss) for tax purposes differs from net profit/(loss) for accounting purposes due to temporary differences between revenue amounts calculated for these two purposes, including income which is taxable and costs which are tax-deductible in a period other than the current accounting period, as well as permanent differences attributable to income and cost which will never be accounted for in tax settlements. Tax expense is calculated based on tax rates effective in a given financial year.

For the purposes of financial reporting, tax liabilities are calculated taking into account all temporary differences existing as at the end of the reporting period between the tax base of assets and liabilities and their carrying amounts as disclosed in the financial statements.

Deferred tax liability is recognised for all taxable temporary differences:

- except to the extent that the deferred tax liability arises from the initial recognition of goodwill or the initial recognition of an asset or liability in a transaction which is not a business combination and which, at the time of its execution, affects neither accounting pre-tax profit nor taxable income or tax loss, and
- in the case of taxable temporary differences associated with investments in subsidiaries, jointly-controlled entities or associates and interests in joint ventures, unless the investor is able to control the timing of reversal of temporary differences and it is probable that the temporary differences will not reverse in the foreseeable future.

Deferred tax assets are disclosed in relation to all deductible temporary differences, unused tax assets, and unused tax losses brought forward, in the amount of the probable taxable income which would enable these differences, assets and losses to be used:

- except to where the deferred tax assets related to deductible temporary differences arise from the initial recognition of an asset or liability
  in a transaction which is not a business combination and which, at the time of its execution, affects neither accounting pre-tax profit nor
  taxable income or tax loss, and
- in the case of deductible temporary differences associated with investments in subsidiaries, jointly-controlled entities or associates and
  interests in joint ventures, the related deferred tax assets are recognised in the statement of financial position to the extent it is probable
  that in the foreseeable future the temporary differences will be reversed and taxable income will be generated which will enable the
  deductible temporary differences to be offset.



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The carrying amount of deferred tax assets is revised as at the end of each reporting period and is subject to appropriate reduction to the extent it is no longer probable that taxable income sufficient for its partial or full realisation would be generated.

Deferred tax assets and deferred tax liabilities are measured using tax rates expected to be effective at the time of realisation of particular asset or liability, based on tax rates (and tax legislation) effective as at the end of the reporting period or tax rates (and tax legislation) which as at the end of the reporting period are certain to be effective in the future. The effect of deferred tax on items posted directly to equity is recognised in equity other comprehensive income. The effect of deferred tax is recognised in profit or loss for the period, with the exception of taxes arising from transactions or events, which are recognised in other comprehensive income or directly in equity, and taxes arising from business combinations.

Deferred tax assets and deferred tax liabilities are presented in the statement of financial position in the amount obtained after they are offset for particular consolidated entities.

### 7.6 Value-added tax (VAT), excise duty and fuel charge

Revenue, expenses, assets and liabilities are recognised net of value added tax, excise duty and fuel charge:

- except where the value added tax (VAT) paid when purchasing assets or services is not recoverable from the tax authorities (in such a case it is recognised in the cost of a given asset or as part of the cost item), and
- except in the case of receivables and payables which are recognised inclusive of value added tax, excise duty and fuel charge.

The net amount of value added tax, excise duty and fuel charge recoverable from or payable to tax authorities is carried in the statement of financial position under receivables or liabilities, as appropriate.

## 7.7 Functional currency, presentation currency and foreign currency translation

The Parent's functional currency and the presentation currency of these consolidated financial statements is the Polish złoty ("złoty", "zł", "PLN"). These consolidated financial statements have been prepared in millions of złoty and, unless indicated otherwise, all amounts are stated in millions of złoty.

The financial statements of foreign entities are translated into the presentation currency of the consolidated financial statements at the following exchange rates:

- items of the statement of financial position at the mid-rate quoted by the National Bank of Poland for the end of the reporting period (NBP's mid-rate for the end of the reporting period),
- items of the statement of comprehensive income at the exchange rate computed as the arithmetic mean of mid rates quoted by the National Bank of Poland for the end of each month in the reporting period (NBP's average mid-rate for the reporting period).

The resulting exchange differences are recognised as a separate component in equity and other comprehensive income.

Exchange differences on translating foreign operations comprise exchange differences resulting from the translation into the zloty of the financial statements of foreign companies and groups of companies.

Exchange differences arising on a monetary item that forms a part of a reporting entity's net investment in a foreign operation are recognised in equity and other comprehensive income, and on disposal of the investment they are reclassified to consolidated profit or loss in the statement of comprehensive income.

At the time of disposal of a foreign entity, the accumulated exchange differences recognised in equity and relating to this foreign entity are taken to profit or loss.

Goodwill and fair value adjustments arising on the acquisition of a foreign operation are treated as assets or liabilities of the foreign operation and are translated into the presentation currency of the financial statements at the exchange rate effective for the end of the reporting period.

The following exchange rates were used in the valuation of items of the statement of financial position:

NBP's mid-rate quoted for:	December 31st 2018 (1)	December 31st 2017 (2)
USD	3.7597	3.4813
EUR	4.3000	4.1709
GBP	4.7895	4.7001
NOK	0.4325	0.4239

 $<sup>^{\</sup>mbox{\scriptsize (1)}}$  NBP's mid rates table, effective for December 31st 2018.

The following exchange rates were used in the valuation of items of the statement of comprehensive income:

NBP's average mid-rate for the reporting period	<b>2018</b> <sup>(1)</sup>	<b>2017</b> <sup>(2)</sup>
USD	3.6227	3.7439
EUR	4.2669	4.2447
GBP	4.8142	4.8457
NOK	0.4432	0.4538

<sup>(</sup>f) Based on the arithmetic mean of the mid rates quoted by the NBP for the last day of each full month in the period January 1st-December 31st 2018.

## 7.8 Foreign currency transactions

Business transactions denominated in foreign currencies are reported in the consolidated financial statements after translation into the Group's presentation currency (Polish złoty) at the following exchange rates:

- the exchange rate actually applied on that date due to the nature of the transaction in the case of sale or purchase of foreign currencies;
- the mid-rate quoted for a given currency by the National Bank of Poland (the "NBP") for the day immediately preceding the transaction date in the case of payment of receivables or liabilities where there is no rationale for using the exchange rate referred to above, and for other transactions

The exchange rate applicable to purchase invoices is the mid-rate quoted by the National Bank of Poland for the last business day immediately preceding the invoice date, and the exchange rate applicable to sales invoices is the mid-rate quoted by the National Bank of Poland for the last business day immediately preceding the sale date.

<sup>(2)</sup> NBP's mid rates table, effective for December 31st 2017.

<sup>(2)</sup> Based on the arithmetic mean of the mid rates quoted by the NBP for the last day of each full month in the period January 1st-December 31st 2017.



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Any foreign exchange gains or losses resulting from currency translation are posted to the statement of comprehensive income (including intercompany foreign currency transactions), except for foreign exchange gains and losses which are treated as a part of borrowing costs and are capitalised in property, plant and equipment (foreign exchange gains and losses on interest and fees and commissions). Non-monetary items measured at historical cost in a foreign currency are translated at the exchange rate effective as at the date of the initial transaction. Non-monetary items measured at fair value in a foreign currency are translated at the exchange rate effective as at the date of determining the fair value.

The Company calculates realised and unrealised foreign exchange gains (losses) separately and recognises the resulting total balance in the statement of comprehensive income under:

- . other income or other expenses: in the case of foreign exchange gains and losses related to settlement of trade receivables and payables,
- · finance income or finance costs: in the case of borrowings, investment commitments, and cash and cash equivalents.

Exchange differences on end-of-period valuation of short-term investments (e.g. shares and other securities, loans advanced, cash and cash equivalents) and receivables and liabilities denominated in foreign currencies are charged to finance income or costs and operating income or expenses.

#### 7.9 Property, plant and equipment and intangible assets

## 7.9.1 Property, plant and equipment

Items of property, plant and equipment other than land are measured at cost less accumulated depreciation and impairment losses.

Land is measured at cost less impairment losses. In the case of perpetual usufruct rights to land, cost is understood as the amount paid for the right to a third party. Perpetual usufruct rights to land obtained free of charge are carried at fair value in the accounting books.

Initial value of an item of property, plant and equipment comprises its cost, which includes all costs directly related to its acquisition and bringing it to working condition for its intended use. The cost also includes the cost of replacing component parts of plant and equipment, which is recognised when incurred, provided that relevant recognition criteria are fulfilled. Costs incurred on an asset which is already in service, such as costs of repairs and overhauls or operating fees, are expensed in the reporting period in which they were incurred.

The initial value of property, plant and equipment includes borrowing costs (see Note 7.19).

Items of property, plant and equipment (including their components), other than land and property, plant and equipment comprising production infrastructure, are depreciated using the <u>straight-line method</u> over their estimated useful lives.

Items of property, plant and equipment comprising production infrastructure used in crude oil and natural gas extraction <u>are depreciated using the units-of-production method</u>, where depreciation per unit of produced crude oil or natural gas charged to expenses. The depreciation rate is estimated by reference to forecasts of crude oil and gas production from a given geological area. If the estimated hydrocarbon reserves (2P – proved and probable reserves) change materially as at the end of the reporting period, depreciation per unit of produced crude oil or natural gas is remeasured and the revised depreciation rate is applied starting from the new financial year (see Note 5).

Items of property, plant and equipment under construction are measured at the amount of aggregate costs directly attributable to their acquisition or production (including finance costs) less impairment losses, if any. Items of property, plant and equipment under construction are not depreciated until they are ready for their intended use.

	Depreciation method	Depreciation period/useful life
Land (excluding perpetual usufruct rights)	Not depreciated	
Property, plant and equipment under construction	Not depreciated	
Other items of property, plant and equipment:		
Buildings, structures	Straight-line method	From 1 to 80 years
Plant and equipment	Straight-line method	From 1 to 25 years
Vehicles, other	Straight-line method	From 1 to 15 years
Property, plant and equipment comprising production infrastructure used in crude oil and natural gas extraction	Units-of-production method	The depreciation rate is estimated by reference to forecasts of crude oil and gas production from a given geological area (2P – proved and probable reserves).

The residual values, useful economic lives and depreciation methods are reviewed on an annual basis and adjusted, if required, with effect as of the beginning of the next financial year.

An item of property, plant and equipment may be removed from the statement of financial position if it is sold or if the entity does not expect to realise any economic benefits from its further use. Any gains or losses on derecognition of an asset from the statement of financial position (calculated as the difference between net proceeds from its sale, if any, and the carrying amount of the asset) are disclosed in the statement of comprehensive income in the period of derecognition.

Property, plant and equipment comprising the Group's production infrastructure include assets corresponding to the amount of the provision for decommissioning of oil and gas extraction facilities (see also Note 7.24.1). These assets are recognised in accordance with IAS 16 *Property, Plant and Equipment*, which states: "Cost of an item of property, land and equipment includes [...] the initial estimate of the costs of dismantling and removing the item and restoring the site on which it is located, the obligation for which an entity incurs when the item is acquired or as a consequence of having used the item during a particular period for purposes other than to produce inventories during that period". The Group's obligation to incur costs of decommissioning of oil and gas extraction facilities results directly from the reasons specified in IAS 16. Under Section 63 of IAS 16, entities are obliged to review the value of the assets periodically, at least on the last day of each reporting period.

Revaluation of the assets may be caused by:

- · change in the estimate of the cash outflow that will be necessary to ensure performance of the decommissioning obligation,
- change in the current market discount rate,
- change in the inflation rate.

Expenditure on property, plant and equipment used in exploration for and evaluation of crude oil and natural gas resources is capitalised until the deposit volume and the economic viability of production are determined; such expenditure is presented in a separate item of property, plant and equipment in accordance with IFRS 6 Exploration for and Evaluation of Mineral Resources. Upon confirmation of existence of reserves in the case of which extraction is technically feasible and economically viable, such expenditure is transferred to relevant items of property, plant and equipment



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classified as development or production assets, and is subsequently depreciated using the units-of-production method (see above) based on the volume of reserves and actual production.

If expenditure on property, plant and equipment under construction does not result in discovery of any reserves in the case of which extraction is technically feasible and economically viable, impairment losses on property, plant and equipment under construction are recognised and charged to profit or loss of the period in which it is found that commercial production from the deposits is not viable.

#### 7.9.2 Goodwil

The acquirer recognises the acquiree's goodwill as at the acquisition date, in the amount equal to the excess of the difference between (A) the amount of consideration transferred, measured at its acquisition-date fair value, including the value of any non-controlling interests in the acquiree, (B) the acquisition-date fair value of the acquirer's previously held equity interest in the acquiree (in the case of a business combination achieved in stages), and (C) the net of the acquisition-date amounts of the identifiable assets acquired and the liabilities assumed measured at fair values as at the transaction date.

Goodwill = (C) - (A) - (B)

In the case of a business combination achieved in stages, the acquirer remeasures its previously held equity interest in the acquiree at its acquisition-date fair value and recognises the resulting gain or loss in the statement of comprehensive income.

Following initial recognition, goodwill is carried at cost less cumulative impairment losses. Goodwill is tested for impairment once a year. It is not amortised.

As at the acquisition date, the acquired goodwill is allocated to each of the identified cash-generating units that may benefit from the synergies of the business combination, provided that goodwill may not be allocated to a cash-generating unit higher than an operating segment. The Group calculates impairment of value by estimating the recoverable amount of a cash-generating unit ("CGU") to which goodwill has been allocated. If the recoverable amount of the CGU is lower than its carrying amount, an impairment loss is recognised. If goodwill is a part of a CGU and the Group sells a part of the CGU's business, the goodwill pertaining to the sold business is included in the carrying amount of the sold business for the purpose of calculating gain or loss on disposal of the part of business. In such a case, goodwill pertaining to the sold business should be measured using the relative value of the sold business, pro-rata to the interest in the retained part of the CGU.

#### 7.9.3 Other intangible assets

Intangible assets other than goodwill comprise oil exploration and production licences in Lithuania acquired as part of a business combination, expenditure incurred on oil and gas exploration licences on the Norwegian Continental Shelf, other production and exploration licences in Poland, software licences, patents, trademarks, acquired CO<sub>2</sub> emission allowances and intangible assets under development.

Intangible assets are initially recognised at cost if they are acquired in separate transactions. Intangible assets acquired as part of a business combination are recognised at fair value as at the transaction date. Subsequent to initial recognition, intangible assets are carried at amounts reflecting accumulated amortisation and impairment losses.

Licences obtained in Lithuania during the step acquisition of the AB LOTOS Geonafta Group companies are disclosed under intangible assets classified as development or production assets and <u>amortised using the unit-of-production method</u>, where amortisation per unit of produced crude oil is charged to expenses. The amortisation rate is estimated by reference to forecasts of hydrocarbon production from a given field. If the estimated hydrocarbon reserves (2P – proved and probable reserves) change materially as at the end of the reporting period, amortisation per unit of produced crude oil or natural gas is remeasured and the revised amortisation rate is applied starting from the new financial year.

Expenditure on oil and gas exploration licences on the Norwegian Continental Shelf is presented as a separate item of intangible assets, as required under IFRS 6 *Exploration for and Evaluation of Mineral Resources*, and <u>is not amortised</u> until the technical feasibility and commercial viability of extraction is demonstrated. For more information on the accounting policies concerning expenditure on exploration for and evaluation of mineral resources, see Note 7.11.1.

Except capitalised development expenditure, expenditure on intangible assets produced by the Group is not capitalised, but is charged to expenses in the period in which it was incurred.

	Amortisation method	Depreciation period/useful life
Development and production assets		
Licences (Lithuania, Poland)	Units-of-production method	The amortisation rate is estimated by reference to forecasts of hydrocarbon production from a given field (2P – proved and probable reserves).
Exploration and evaluation assets		
Oil and gas exploration licences on the	Not amortised until the tech	nical feasibility and commercial viability of extraction
Norwegian Continental Shelf	is demonstrated	
Other intangible assets		
Software licences, patents and trademarks	Straight-line method	from 2 to 40 years.
Acquired CO <sub>2</sub> emission allowances		
Intangible assets under development	Not amortised	

The amortisation period and the amortisation method for an intangible asset are reviewed at the end of each financial year. Changes in the expected useful life or pattern of generation of the future economic benefits embodied in an intangible asset are reflected by changing the amortisation period or amortisation method, as appropriate, and are treated as changes in accounting estimates (see Note 5).



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#### 7.10 Impairment losses on non-financial non-current assets

As at the end of each reporting period, the Group assesses whether there is an indication of impairment of any of its assets. If the Group finds that there is such indication or if it is required to perform annual impairment tests, the recoverable amount of the asset is estimated.

The recoverable amount of an asset is equal to the higher of:

- the fair value of the asset or cash generating unit in which such asset is used less cost to sell, or
- the value in use of the asset or cash generating unit in which such asset is used.

The recoverable amount is determined for the individual assets unless a given asset does not generate separate cash flows largely independent from those generated by other assets or asset groups. If the carrying amount of an asset is higher than its recoverable amount, the value of the asset is impaired and an impairment loss is recognised, reducing the asset's carrying amount to the established recoverable amount.

In assessing value in use, the projected cash flows are discounted to their present value (at a pre-tax discount rate) which reflects current market assessments of the time value of money and risks specific to the asset. Any impairment losses on non-financial assets used in operations are recognised under other expenses.

The Group assesses at the end of each reporting period whether there is any indication that previously recognised impairment of an asset no longer exists or should be reduced. If there is such indication, the Group again estimates the recoverable amount of the asset, and the recognised impairment loss is reversed if, and only if, there has been a change in the estimates used to determine the asset's recoverable amount since the last impairment loss was recognised. In such a case, the carrying amount of the asset is increased up to its recoverable amount. Such increased amount may not exceed the carrying amount of the asset that would have been determined (net of accumulated amortisation or depreciation) had no impairment loss been recognised for the asset in previous years. Reversal of an impairment loss on a non-financial non-current asset is immediately recognised as other income. Following reversal of an impairment loss, in the subsequent periods the amortisation/depreciation charge for the given asset is adjusted so that its revised carrying amount, less residual value, can be regularly written off over the remaining useful life of that asset.

The Group offsets corresponding items of other income and expenses, including impairment losses and their reversals, in accordance with IAS 1 *Presentation of Financial Statements* (Section 34) and recognises them in the statement of comprehensive income on a net basis.

## 7.11 Non-current assets comprising production infrastructure used in crude oil and natural gas extraction

#### 7.11.1 Expenditure on crude oil and natural gas exploration and evaluation (exploration and evaluation assets)

Exploration for and evaluation of mineral resources means the search for crude oil and natural gas resources and the determination of the technical feasibility and commercial viability of their extraction.

From the moment of obtaining the right to explore for hydrocarbons in a given area to the moment when the technical feasibility and commercial viability of extracting mineral resources is determined, expenditure directly connected with exploration for and evaluation of oil and gas resources is recognised in accordance with IFRS 6 Exploration for and Evaluation of Mineral Resources as a separate item of non-current assets. The expenditure includes the costs of acquisition of exploration rights, costs of exploration rigs, salaries and wages, consumables and fuel, insurance, costs of geological and geophysical surveys, as well as costs of other services.

The Group classifies its hydrocarbon exploration and evaluation assets as property, plant and equipment or intangible assets, depending on the type of the acquired assets, and applies this classification policy in a consistent manner.

Once the size of a deposit is confirmed and its production plan is approved, the expenditure is transferred to appropriate items of property, plant and equipment or intangible assets classified as development and production assets (see also Notes 7.9.1 and 7.9.3).

The Group examines the need to recognise impairment losses on exploration and evaluation assets by considering whether in relation to a specific area:

- the period for which the Group has the right to explore in the specific area has expired during the current financial year or will expire
  in the near future, and is not expected to be renewed,
- no substantial expenditure on further exploration for and evaluation of mineral resources is anticipated,
- exploration for and evaluation of mineral resources have not led to discovery of commercially viable quantities of mineral resources and the Group has decided to discontinue such activities,
- sufficient data exist to indicate that, although development in the specific area is likely to proceed, the carrying amount of the exploration and evaluation asset is unlikely to be recovered in full from successful development or by sale.

If expenditure on property, plant and equipment under construction does not result in discovery of any reserves in the case of which extraction is technically feasible and economically viable, impairment losses on property, plant and equipment under construction are recognised and charged to profit or loss of the period in which it is found that commercial production from the deposits is not viable.

## 7.11.2 Assets related to development and production of crude oil and natural gas (development and production assets)

Assets related to production of crude oil and natural gas are recognised and measured in accordance with the accounting policies presented in Note 7.9.1 (property, plant and equipment) and in Note 7.9.3 (intangible assets).

Property, plant and equipment comprising the Group's production infrastructure include assets corresponding to the amount of the provision for decommissioning of oil and gas extraction facilities (see Note 7.24.1). Those assets are recognised in accordance with IAS 16 *Property, Plant and Equipment*, which states: "Cost of an item of property, land and equipment includes [...] the initial estimate of the costs of dismantling and removing the item and restoring the site on which it is located, the obligation for which an entity incurs when the item is acquired or as a consequence of having used the item during a particular period for purposes other than to produce inventories during that period." The Group's obligation to incur costs of decommissioning of oil and gas extraction facilities results directly from the reasons specified in IAS 16. Under Section 63 of the standard, entities are obliged to review the value of the assets periodically, at least as at the end of each reporting period.

Revaluation of the assets may be caused by:

- change in the estimate of the cash outflow that will be necessary to ensure performance of the decommissioning obligation,
- change in the current market discount rate,
- change in the inflation rate.



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## 7.12 Leases

A lease is classified as a finance lease if it transfers substantially all the risks and rewards incidental to ownership of the leased asset onto the lessee. All other lease agreements are treated by the Group as operating leases.

#### The Group as a lessor

Finance leases are disclosed in the statement of financial position as receivables, at amounts equal to the net investment in the lease less the principal component of lease payments for a given financial year calculated based on a pattern reflecting a constant periodic rate of return on the lessor's net investment outstanding in respect of the finance lease.

Finance income from interest on a finance lease is disclosed in the relevant reporting periods based on a pattern reflecting a constant periodic rate of return on the net investment outstanding in respect of the finance lease.

Income from operating leases is recognised in the statement of comprehensive income on a straight-line basis over the lease term.

#### The Group as a lessee

Assets used under a finance lease are recognised as assets of the Group and are measured at fair value as at the acquisition date or, if lower, the present value of the minimum lease payments. The resultant obligation towards the lessor is presented in the statement of financial position <u>under Finance lease liabilities</u>. Lease payments are broken down into the interest component and the principal component so as to produce a constant rate of interest on the remaining balance of the liability. Finance costs are recognised in the statement of comprehensive income.

Operating lease payments are recognised in the statement of comprehensive income on a straight-line basis over the lease term.

#### 7.13 Inventories

Inventories are measured at the lower of cost and net realisable value.

Costs incurred in order to bring an inventory item to its present location and condition are accounted for in the following manner:

- materials and merchandise at cost,
- finished goods and work-in-progress at the cost of direct materials and labour and an appropriate portion of indirect production costs, established on the basis of normal capacity utilisation.

Net realisable value is the selling price realisable as at the end of the reporting period, net of VAT, excise duty and fuel charge, less any rebates, discounts and other similar items, and less the estimated costs to complete and costs to sell.

Decrease in inventories is established with the weighted average method.

Write-downs of products or semi-finished products, resulting from revaluation based on net realisable value, are posted to production costs. Write-downs of merchandise are charged to cost of merchandise sold in the statement of comprehensive income.

As at the end of each reporting period, the Group estimates (based on an individual assessment of the usefulness of inventories for the purposes of the Group's business) the amount of write-downs of stored materials. If crude oil and refining product prices go down, the Group recognises an inventory write-down to adjust the carrying amount of inventories, given the difference between their cost and net realisable value, in accordance with IAS 2. Write-downs of stored materials due to their impairment are charged to costs.

If the reason for making an inventory write-down no longer exists, the value of the inventory item is increased by an amount equal to the entire or part of the write-down. For the sake of clarity and because of the economic substance of the operation, if a write-down is used, its reversal is reflected in operating activities.

## 7.14 Emergency stocks

The Group maintains emergency stocks as required by the following acts:

- Act on Stocks of Crude Oil, Petroleum Products and Natural Gas, and on the Rules to be Followed in the Event of Threat to National Fuel Security or Disruptions on the Petroleum Market of February 16th 2007 (Dz.U. of 2007, No. 52, item 343, dated March 23rd 2007, as amended);
- Regulation of the Minister of Economy, Labour and Social Policy, on fuel stocks at energy sector companies, dated February 12th 2003 (Dz.U. No. 39, item 338, as amended).

These regulations define the rules for creating, maintaining and financing stocks of crude oil, petroleum products and fuels at energy sector companies.

Emergency stocks are disclosed as current assets given their short turnover cycle. The Group's emergency stocks include crude oil, petroleum products (liquid fuels), LPG and coal. In the downstream segment, emergency stocks are maintained mainly by the Parent.

## 7.15 Cash and cash equivalents

Cash in hand and at banks, as well as short-term deposits held to maturity are measured at par value.

Cash and cash equivalents disclosed in the consolidated statement of cash flows comprise cash in hand, overdraft facilities, and those bank deposits maturing within three months which are not classified as investments.

## 7.16 Equity

Equity is recognised in the consolidated financial statements by categories, in accordance with applicable laws and constitutional documents of the consolidated entities.

The share capital of the LOTOS Group is the share capital of the Parent and is recognised at its par value, in the amount specified in the Company's Articles of Association and in the relevant entry in the National Court Register.

## 7.17 Bank borrowings, non-bank borrowings and notes

All bank borrowings, non-bank borrowings and notes are initially recognised at cost, equal to the fair value, less cost of obtaining the financing

Following initial recognition, bank borrowings, non-bank borrowings and notes are measured at amortised cost, using the effective interest rate method. Amortised cost includes the cost of obtaining financing and discounts, as well as premiums received on settlement of the liability. Upon



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removal of the liability from the statement of financial position or recognition of impairment losses, gains or losses are recognised in the statement of comprehensive income.

## 7.18 Employee benefit obligations

## 7.18.1 Retirement severance payments, length-of-service awards and other employee benefits

In accordance with the Collective Bargaining Agreement, the Group's employees are entitled to length-of-service awards and severance payments upon retirement due to old age or disability, as well as death benefits.

Also, the employees, retired employees, and pensioners covered by the Group's social benefits are entitled to benefits from a separate social fund, which is established pursuant to applicable national regulations (Company Social Benefits Fund).

According to IAS 19 *Employee Benefits*, old-age and disability retirement severance payments, as well as contributions to the Company Social Benefits Fund to be used for payment of future benefits to retired employees, are classified as defined post-employment benefit plans, while length-of-service awards, death benefits, and benefits paid to currently retired employees are recognised under other employee benefits.

Present value of future post-employment benefit obligations as at the end of the reporting period is calculated by an independent actuary using the projected unit credit method, and represents the discounted value of future payments the employer will have to make to fulfil its obligations related the employees' services in previous periods (until the end of the reporting period), defined individually for each employee, taking into account employee turnover (probability of employees leaving), without including future employees.

The value of future employee benefit obligations includes length-of-service awards, old-age and disability retirement severance payments, as well as benefits paid to currently retired employees and the amount of estimated death benefits.

Length-of-service awards are paid after a specific period of employment. Old-age and disability retirement severance payments are one-off and paid upon retirement. Amounts of severance payments and length-of-service awards depend on the length of employment and the average remuneration of an employee. The amount of death benefit depends on the length of employment of the deceased employee, and the benefit is payable to the family, in accordance with the rules set forth in the Polish Labour Code.

Actuarial gains and losses on post-employment benefits are recognised in other comprehensive income.

Employees of the Group companies are also entitled to holidays in accordance with the rules set forth in the Polish Labour Code. The Group calculates the cost of employee holidays on an accrual basis using the liability method. The value of compensation for unused holidays is recognised in the Group's accounting records based on the difference between the balance of holidays actually used and the balance of holidays used established proportionately to the passage of time, and disclosed in the financial statements as, respectively, current or non-current liabilities under other employee benefits during employment.

Obligations under other employee benefits during employment also include bonuses and awards granted as part of the Group's incentive pay systems.

For detailed information on employee benefits, see Note 24, containing the individual items of employee benefit obligations and employee benefits expense, actuarial assumptions, as well as an analysis of the sensitivity of estimates to changes of those assumptions. The Group recognises the cost of discount on its employee benefit obligations in finance costs.

Given the different nature of pension plans operated by the Group's foreign companies – LOTOS Exploration and Production Norge AS and the companies of the AB LOTOS Geonafta Group – and their immaterial effect on the Group's obligations under length-of-service awards and post-employment benefits, those companies' obligations are presented separately under Obligations under length-of-service awards and post-employment benefits at foreign companies.

## 7.18.2 Profit allocated for employee benefits and special accounts

In accordance with the business practice in Poland, shareholders have the right to allocate a part of profit to employee benefits by making contributions to the social benefits fund and to other special accounts. However, in the financial statements such distributions are charged to operating expenses of the period to which the profit distribution relates.

## 7.19 Borrowing costs

Borrowing costs (i.e. interest and other costs incurred in connection with borrowings) are recognised as an expense in the period in which they were incurred, with the exception of costs directly attributable to the acquisition, construction or production of a qualifying asset (including exchange differences where they are regarded as an adjustment to interest costs, and exchange differences on fees and commissions), which are capitalised as part of the cost of such asset (a qualifying asset is one that necessarily takes a substantial period of time to get ready for its intended use or sale).

To the extent that funds are borrowed specifically for the purpose of acquiring a qualifying asset, the amount of the borrowing costs which may be capitalised as part of such asset is determined as the difference between the actual borrowing costs incurred in connection with a given credit facility or loan in a given period and the proceeds from temporary investments of the borrowed funds.

To the extent that funds are borrowed without a specific purpose and are later allocated for the acquisition of a qualifying asset, the amount of the borrowing costs which may be capitalised is determined by applying an appropriate capitalisation rate to the expenditure on that asset.

## 7.20 Financial assets and liabilities

Accounting policies applied since January 1st 2018 (IFRS 9)

## Financial assets

The Group classifies financial assets into the following measurement categories:

- measured at amortised cost,
- measured at fair value through profit or loss,
- measured at fair value through other comprehensive income.

The classification depends on the model adopted by the Group to manage financial assets and on the terms of contractual cash flows. The Group reclassifies investments in debt instruments only when the management model changes.



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The Group assesses the model of managing debt financial assets (including trade receivables) based on the following three possible criteria:

- · held to collect cash flows,
- held to collect cash flows and sell,
- other (effectively meaning assets held for disposal).

#### Measurement upon initial recognition

On initial recognition, the Group measures a financial asset at fair value plus transaction costs that are directly attributable to the acquisition of the financial asset if it is not measured at fair value through profit or loss. Transaction costs related to financial assets at fair value through profit or loss are recognised in profit or loss.

#### Derecognition

Financial assets are recognised when the Group becomes a party to the contractual provisions covering the instrument. Financial assets are derecognised when the rights to receive cash flows from financial assets have expired or have been transferred, and the Group has transferred substantially all risks and rewards related to ownership of assets.

#### Measurement after initial recognition

#### Financial assets measured at amortised cost

Debt instruments held to collect contractual cash flows which comprise solely payments of principal and interest ("SPPI") are measured at amortised cost. Interest income is calculated using the effective interest rate method and recognised under interest income in profit or loss. Impairment losses are recognised in accordance with the accounting policy set out in Section 7.21 and presented under Impairment losses on financial assets.

In this category, the Group classifies in particular:

- trade receivables other than factoring receivables within the factoring limit granted to the Group,
- loans that meet the SPPI classification test and, in line with the business model, are recognised as 'held to collect cash flows',
- · cash and cash equivalents,
- · deposits, security deposits, investment receivables and other receivables.

Financial assets measured at amortised cost are classified as non-current assets if they mature more than 12 months after the reporting date.

If the effect of time value of money is material, the value of receivables is determined by discounting the projected future cash flows to their present value using a pre-tax discount rate reflecting the current market estimates of the time value of money. If the discount method is applied, an increase in receivables over time is recognised as finance income.

## Financial assets measured at fair value through other comprehensive income

Debt instruments giving rise to cash flows which are solely payments of principal and interest and which are held to collect contractual cash flows and to sell are measured at fair value through other comprehensive income. Changes in the carrying amount are recognised through other comprehensive income, except for impairment gains and losses, interest income and foreign exchange gains and losses, which are recognised in profit or loss. If a financial asset is derecognised, the total gain or loss previously recognised in other comprehensive income is reclassified from equity to profit or loss and recognised as other gains/(losses). Interest income on such financial assets is calculated using the effective interest rate method and recognised under 'interest income'. Impairment due to expected credit losses is recognised in accordance with the accounting policy applicable to impairment of financial assets and presented under 'Impairment charge for expected credit losses'.

## Financial assets at fair value through profit or loss

Assets which do not meet the criteria for measurement at amortised cost or at fair value through other comprehensive income are measured at fair value through profit or loss.

In particular, the Group classifies loans that do not meet the SPPI test (i.e. cash flows from these loans are not solely payments of principal and interest) at fair value through profit or loss.

The fair value of trade receivables subject to factoring within the limit available as at the last day of the reporting period is determined on the basis of the factoring agreement with the factor.

Gain or loss on fair value measurement of debt investments is recognised in profit or loss and presented under 'Gains/(losses) on changes in the fair value of financial instruments' in the period in which they arise. Gains/(losses) on fair value measurement include interest received on financial instruments classified as measured at fair value.

The instruments classified at fair value through profit or loss include the derivative instruments described in Note 7.22.

## Equity instruments

Interests in other entities include such equity instruments in other entities which do not confer control, joint control or significant influence over such entities.

Interests in other entities are initially recognised at fair value plus transaction costs. Subsequently, they are measured at fair value. For all its investments, the Group has elected to present gains and losses on changes in the fair value of equity instruments in other comprehensive income as such investments are not held for short-term returns. If such election is made, gains and losses on changes in fair value are not reclassified to profit or loss when the investment is derecognised. Impairment losses (and reversals of impairment losses) on equity investments measured at fair value through other comprehensive income are not presented separately from other changes in fair value.

Dividends from such investments are recognised in profit or loss once the Company's right to receive payment is established.

## **Financial liabilities**

Financial liabilities are initially recognised at fair value less transaction costs and subsequently at amortised cost using the effective interest rate method.

Under financial liabilities at amortised cost, the Group recognises mainly trade payables, investment commitments and other liabilities, borrowings, and debt instruments. Such liabilities are recognised in the statement of financial position under: bank borrowings, non-bank borrowings, notes and finance lease liabilities; trade payables; other liabilities and provisions.



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Financial liabilities denominated in foreign currencies are translated into the functional currency using the exchange rate at the date of the transaction. Foreign exchange gains and losses on settlement of those liabilities and translation at the exchange rates existing at the reporting date are recognised in profit or loss unless their recognition in other comprehensive income is deferred when they qualify as cash flow hedging.

If contractual terms of a financial liability are modified in a way that does not result in derecognition of the existing liability, the gain or loss is immediately recognised in profit or loss. Profit or loss is calculated as the difference between the present value of modified and original cash flows, discounted using the original effective interest rate of the liability.

#### Accounting policies applied until December 31st 2017 (IAS 39)

Financial assets and liabilities are classified into the following categories:

- · financial assets held to maturity,
- financial assets and liabilities at fair value through profit or loss,
- · loans and receivables,
- · financial assets available for sale,
- · financial liabilities at amortised cost.

#### Financial assets held to maturity

Financial assets held to maturity are non-derivative financial assets with fixed or determinable payments and fixed maturities, which are quoted on an active market and which the Group has the positive intention and ability to hold to maturity, other than those:

- designated at fair value through profit or loss upon initial recognition,
- designated as available for sale,
- · which qualify as loans and receivables.

Financial assets held to maturity are measured at amortised cost using the effective interest rate method.

Financial assets held to maturity are classified as non-current assets if they mature more than 12 months after the reporting period.

#### Financial assets and liabilities at fair value through profit or loss

A financial asset at fair value through profit or loss is a financial asset that meets either of the following conditions:

- a) it is classified as held for trading. Financial assets are classified as held for trading if they:
  - have been acquired principally for the purpose of being sold in the near future,
  - are part of a portfolio of identified financial instruments that are managed together and for which there is probability of profit-taking in the near future.
  - are derivative instruments, except for a derivative that is a financial guarantee contract or a hedging instrument,
- b) it has been assigned to this category in accordance with IAS 39 Financial Instruments: recognition and measurement upon initial recognition.

Measurement of financial assets at fair value through profit or loss consists in recognition of such assets at fair value by reference to their market value as at the end of the reporting period, without reflecting sale transaction costs. Any changes in the value of such instruments are recognised in the statement of comprehensive income as finance income or finance costs.

An entire contract can be designated as a financial asset at fair value through profit or loss if it contains one or more embedded derivatives. The above does not apply when an embedded derivative has no significant impact on the cash flows generated under the contract or when it is clear that if a similar hybrid instrument was first considered, separation of the embedded derivative would be prohibited under IFRS.

Financial assets may be designated as financial assets at fair value through profit or loss on initial recognition if the following criteria are met:

- (i) such designation eliminates or significantly reduces a measurement or recognition inconsistency (an accounting mismatch); or
- (ii) the assets are part of a group of financial assets that are managed and measured based on fair value, according to a well-documented risk management strategy; or
- (iii) the assets contain embedded derivatives which should be presented separately.

Financial liabilities at fair value through profit or loss include financial liabilities held for trading and financial liabilities initially designated as financial liabilities at fair value through profit or loss. Financial liabilities are classified as held for trading if they were acquired for the purpose of being sold in the near future. Derivative financial instruments, including separated embedded instruments, are also classified as held for trading unless they are considered as effective hedges.

Financial liabilities may be designated as financial liabilities at fair value through profit or loss on initial recognition if the following criteria are met:

- (i) such designation eliminates or significantly reduces a measurement or recognition inconsistency that would otherwise arise from measuring liabilities or recognising the gains and losses on them on different bases, or
- the liabilities are part of a group of financial liabilities that are managed and measured based on fair value, according to a welldocumented risk management strategy; or
- (iii) the liabilities contain embedded derivatives which should be presented separately.

Financial liabilities classified as financial liabilities at fair value through profit or loss are measured based on their market value as at the end of the reporting period, without reflecting sale transaction costs. Changes in the fair value of such instruments are recognised in profit or loss as finance income or costs.

Based on the fair value measurement methods applied, the Group classifies its individual financial assets and liabilities according to the following levels (fair value hierarchy):

- <u>Level 1:</u> Financial assets and liabilities whose fair values are measured directly on the basis of quoted prices (used without adjustment) from active markets for identical assets or liabilities.
- <u>Level 2:</u> Financial assets and liabilities whose fair values are measured using measurement models when all significant input data is observable on the market either directly (unadjusted market prices) or indirectly (data based on market prices).
- <u>Level 3:</u> Financial assets and liabilities whose fair values are measured using measurement models when the input data is not based on observable market data (unobservable input data).

The Group discloses derivative transactions with positive fair values under financial assets held for trading. Derivative transactions with negative fair values are disclosed under financial liabilities held for trading.



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The Group's financial assets and liabilities held for trading include the following types of derivatives: options, forward contracts (in particular forward rate agreements), futures contracts, swaps (in particular interest-rate swaps) and spot contracts. All the above types of forward transactions classified as derivatives are executed by the Group as part of its risk management policy (see below).

The fair value of commodity swaps is established by reference to discounted cash flows connected with the transactions, calculated on the basis of the difference between the average market price and the transaction price. The fair value is established on the basis of prices quoted on active markets, as provided by an external consultancy. (Level 2 in the fair value hierarchy).

Fair value of commodity options is established by reference to cash flows connected with the transactions, calculated on the basis of the difference between the option premium paid and the current market price of the option. The fair value is established on the basis of prices quoted on active markets provided by an external consultancy (Level 2 in the fair value hierarchy).

The fair value of spots, forwards and currency swaps in the case of Grupa LOTOS S.A. is established by reference to future discounted cash flows from the transactions, calculated on the basis of the difference between the forward rate and the transaction price. The forward rate is calculated on the basis of the fixing rate quotations of the National Bank of Poland and the interest rate curve implied in FX swaps (Level 2 in the fair value hierarchy). The fair value of currency forwards held by LOTOS Asfalt Sp. z o.o. is presented based on the information provided by the banks which are counterparties to those transactions (Level 2 in the fair value hierarchy).

The fair value of FRAs in the case of Grupa LOTOS S.A. is established by reference to future discounted cash flows connected with the transactions, calculated on the basis of the difference between the forward rate and the transaction price. The forward rate is calculated using the zero-coupon interest rate curve based on 6M or 3M LIBOR, depending on the type of transaction (Level 2 in the fair value hierarchy). The fair value of FRAs held by LOTOS Asfalt Sp. z o.o. and AB LOTOS Geonafta is presented based on the information provided by the banks which are counterparties to those transactions (Level 2 in the fair value hierarchy).

To manage risk related to carbon dioxide emission allowances, the Group assesses, on a case-by-case basis, the risk of expected deficit of emission allowances allocated free of charge under the carbon emission reduction system and manages the risk of changes in the price of emission allowance traded on an active market

To hedge against the risk of changes in the prices of CO<sub>2</sub> emission allowances, the Group enters into EUA, CER and ERU futures contracts. The fair value of the contracts is estimated based on the difference between the market price of a contract as quoted on the valuation date by the Intercontinental Exchange (ICE) and the actual transaction price (Level 1 in the fair value hierarchy).

If required, futures contracts to purchase carbon dioxide emission allowances open as at the last day of the reporting period are settled by the Group through physical delivery, with the intention to potentially use the allowances to offset actual  $CO_2$  emissions. The valuation of futures contracts to purchase carbon dioxide emission allowances that are planned to be settled through physical delivery is not disclosed under financial assets/liabilities in the financial statements. However, the Group internally monitors and performs the valuation of its open futures positions as part of an overall assessment of the effectiveness of its  $CO_2$  risk management (off the balance sheet).

For information on the limit of free carbon dioxide emission allowances allocated to the Group and description of the Group's risk management process, see Note 27.2.

The Group applies hedge accounting. Changes in the fair value of derivative financial instruments designated to hedge cash flows, to the extent representing an effective hedge, are posted directly to other comprehensive income.

In the statement of financial position, derivative financial instruments are recognised under a separate item or, if their value is immaterial, under other assets and liabilities.

For more information on recognition and measurement of financial derivatives and hedge accounting, see Notes 7.22 and 7.23.

## Loans and receivables

Loans advanced and receivables are financial assets with fixed or determinable payments not classified as derivatives and not traded on any active market. They are disclosed under current assets if they mature within 12 months from the end of the reporting period. Loans and receivables with maturities exceeding 12 months from the end of the reporting period are classified as non-current assets.

The category includes the following classes of financial instruments: trade receivables, cash and cash equivalents, deposits, security deposits, investment receivables, security deposits receivable, finance lease receivables and other. In the statement of financial position, these are recognised under: Trade receivables, Cash and cash equivalents, Other current and non-current assets.

## Financial assets available for sale

Financial assets available for sale are recognised at fair value plus transaction costs which may be directly attributed to the acquisition or issue of a financial asset. If quoted market prices from an active market are not available and the fair value cannot be reliably measured using alternative methods, available-for-sale financial assets are measured at cost less impairment. The positive or negative differences between the fair value of available-for-sale financial assets (if they have a market price derived from an active market or their fair value can be established in any other reliable manner) and their cost are recognised net of deferred tax in other comprehensive income. Impairment losses on available-for-sale financial assets are recognised in finance costs.

Any purchase or sale of financial assets is recognised at the transaction date. On initial recognition, financial assets are recognised at fair value including – in the case of financial assets other than those at fair value through profit or loss – transaction costs directly attributable to the purchase.

A financial asset is removed from the statement of financial position when the Group loses control over the contractual rights embodied in the financial instrument. This usually takes place when the instrument is sold or when all cash flows generated by the instrument are transferred to a non-related third party.

This category includes shares in other entities, which are posted under Other financial assets in the statement of financial position.

## Financial liabilities at amortised cost

Financial liabilities other than classified as financial liabilities at fair value through profit or loss are carried at amortised cost using the effective interest rate method.

Financial liabilities at amortised cost include bank and non-bank borrowings, bonds/notes, finance lease liabilities, trade payables, investment commitments, and other liabilities. Such liabilities are recognised in the statement of financial position under: Bank borrowings, non-bank borrowings, notes and finance lease liabilities; Trade payables; Other liabilities and provisions.



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## 7.21 Impairment of financial assets

#### Accounting policies applied since January 1st 2018 (IFRS 9)

As at the last day of each reporting period, the Group estimates expected credit losses on debt instruments measured at amortised cost and at fair value through other comprehensive income, whether or not there has been any evidence of impairment. The Group applies the following impairment recognition approaches:

- general (basic) approach.
- simplified approach.

With respect to short-term trade receivables without a significant financing component, the Group applies the simplified approach and measures impairment losses in the amount of credit losses expected over the entire life of the receivable since its initial recognition. The Group applies the provision matrix for calculating impairment losses on trade receivables classified in different age groups or delinquency periods.

For the purpose of determining expected credit losses, receivables are grouped based on the similarity of credit risk characteristics. To determine the overall default rate, an analysis of collectability of receivables for the last three years is carried out. Default rates are calculated for the following periods:

- up to 30 days;
- from 30 to 90 days;
- from 90 to 180 days;
- more than 180 days.

To determine the default rate for a given period, the amount of written off trade receivables is compared with the amount of outstanding receivables. The calculation takes into account the effect of future factors on the amount of credit losses.

Impairment losses are calculated taking into account default rates adjusted for the effect of future factors and the amount of receivables outstanding at the reporting date for each period.

Material individual items of receivables (representing more than 5% of total receivables) are tested on a case-by-case basis.

Intra-group receivables carry a different credit risk than receivables from third parties due to existing links and control. In the event of financial difficulties, the Group usually supports its subsidiaries. Therefore, poor financial performance and position of a subsidiary do not necessarily translate into higher credit risk. In such a case, the Group estimates impairment based on individual analysis. In other cases, where the number of items is significant, they may form a separate portfolio of intra-group receivables based on a portfolio analysis.

The Group applies a three-stage impairment model with respect to financial assets other than trade receivables:

- Stage 1 financial instruments that have not had a significant increase in credit risk since initial recognition. Expected credit losses are
  determined based on the probability of default within 12 months (i.e. the total expected credit loss is multiplied by the probability that the
  loss will occur over the next 12 months);
- Stage 2 instruments that have had a significant increase in credit risk since initial recognition, but do not have objective evidence of impairment; expected credit losses are determined based on the probability of default on a given asset occurring over its contractual life;
- Stage 3 instruments for which there is objective indication of impairment.

Trade receivables are included in Stage 2 or Stage 3:

- Stage 2 trade receivables for which a simplified approach to lifetime expected credit losses was applied, except for trade receivables included in Stage 3;
- Stage 3 trade receivables that are more than 180 past due or are identified as not serviced.

To the extent necessary – according to the general approach – to assess whether there has been a significant increase in credit risk, the following factors are taken into account by the Group:

- delinquency period of at least 30 days;
- any legislative, technological or macroeconomic changes with a material adverse effect on the debtor;
- a significant adverse event has been reported concerning the loan or another loan taken by the same debtor from another lender, such as termination of a loan agreement, breach of its terms and conditions, or its renegotiation due to financial difficulties, etc.,
- the debtor has lost a significant customer or supplier or has experienced other adverse developments on its market.

Financial assets are written off, in whole or in part, when the Group has used practically all measures to collect them and determines that they cannot be reasonably expected to be recovered. This is usually the case when the asset is past due 180 days or more.

## Accounting policies applied until December 31st 2017 (IAS 39)

As at the end of the reporting period the Group determines whether there is an objective indication of impairment of a financial asset or a group of financial assets.

## Assets carried at amortised cost

If there is an objective indication that the value of loans and receivables measured at amortised cost has been impaired, the impairment loss is recognised in the amount equal to the difference between the carrying amount of the financial asset and the present value of estimated future cash flows (excluding future losses relating to irrecoverable receivables, which have not yet been incurred), discounted at the initial effective interest rate (i.e. the interest rate used at the time of initial recognition). The carrying amount of an asset is reduced directly or through a provision. The amount of loss is recognised in the statement of comprehensive income.

The Group first determines whether there exists an objective indication of impairment with respect to each financial asset that is deemed material, and with respect to financial assets that are not deemed material individually. If the analysis shows that there exists no objective indication of impairment of an individually tested asset, regardless of whether it is material or not, the Group includes the asset into the group of financial assets with similar credit risk profile and tests such group for impairment as a whole. Assets which are tested for impairment individually, and with respect to which an impairment loss has been recognised or a previously recognised loss is deemed to remain unchanged, are not taken into account when a group of assets are jointly tested for impairment.

If an impairment loss decreases in the next period, and the decrease may be objectively associated with an event that occurred subsequent to the impairment loss recognition, the recognised impairment loss is reversed. The subsequent reversal of an impairment loss is recognised in the statement of comprehensive income to the extent that the carrying amount of the asset does not exceed its amortised cost as at the reversal date.



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#### Financial assets available for sale

If there exists an objective indication of impairment of a financial asset classified as an asset available for sale, the amount of the difference between (A) the cost of that asset (less any principal payments and depreciation/amortisation charges) and its (B) current fair value, reduced by any impairment losses previously recognised in the statement of comprehensive income, (A - B) is derecognised from equity and charged to the statement of comprehensive income. Reversal of impairment losses concerning equity financial instruments classified as available for sale may not be recognised in the statement of comprehensive income. If the fair value of a debt instrument available for sale increases in the next period, and the increase may be objectively associated with an event that occurred subsequent to the impairment loss recognition in the statement of comprehensive income, the amount of the reversed impairment loss is recognised in the statement of comprehensive income.

#### Financial assets carried at cost

If there exists an objective indication of impairment of a non-traded equity instrument which is not carried at fair value since such value cannot be reliably determined, or of a related derivative instrument which must be settled by delivery of such non-traded equity instrument, the amount of impairment loss is established as the difference between the carrying amount of the financial asset and the present value of estimated future cash flows discounted with the market rate applicable to similar financial assets prevailing at a given time.

Impairment losses on financial assets and their reversals are recognised on a net basis as gains or losses under other income/expenses or finance income/costs, depending on the class of financial instruments.

#### 7.22 Derivative financial instruments

Derivative instruments used by the Group to hedge against currency risk include in particular FX forwards. The Group also uses commodity swaps to hedge its exposure to raw material and petroleum product price risk, and in the case of sale of products at fixed prices with an embedded option it uses commodity options. The Group uses futures contracts to manage its exposure to prices of carbon dioxide (CO<sub>2</sub>) emission allowances, and interest rate swaps (IRSs) and forward rate agreements (FRAs) to hedge its interest rate exposure.

Such financial derivatives are measured at fair value in line with the fair value hierarchy discussed above in the section devoted to financial asset and liability measurement policies. Derivative instruments are recognised as assets if their value is positive and as liabilities if their value is negative. Gains or losses resulting from changes in the fair value of a derivative which does not qualify for hedge accounting are charged directly to the net profit or loss for the financial year.

In the statement of financial position, financial instruments are presented as either current or non-current, depending on the expected time of realisation of assets and liabilities classified as held for trading.

## 7.23 Hedge accounting

The Group has elected the option to continue to apply the existing requirements of IAS 39 as of January 1st 2019 and not to apply the new hedge accounting requirements of IFRS 9 until the International Accounting Standards Board has completed work on accounting for macro hedging.

As of January 1st 2011, the Parent commenced cash flow hedge accounting with respect to a USD-denominated credit facility designated as a hedge of future USD-denominated sales transactions. In the second half of 2012, the scope of application of cash flow hedge accounting was extended to include new hedging relationships established with respect to foreign-currency facilities contracted to finance the 10+ Programme, designated as hedges of future USD-denominated petroleum product sales transactions.

The objective of cash flow hedge accounting is to guarantee a specific Polish zloty value of revenue generated in USD. The hedged items comprise a number of highly probable and planned USD-denominated refined product sale transactions, in particular the first portion of revenue (up to the amount of the designated principal repayment) in USD generated in a given calendar month, or if the amount of revenue in a given month is lower than the amount of the designated principal payment – the first portion of revenue generated in three successive months. If a subsequent portion of revenue is designated in a given calendar month, the hedged item is the first portion of revenue generated after the previously designated portion of revenue in USD in a given calendar month, or if the amount of revenue in a given month is lower than the amount of the designated principal repayment – a subsequent portion of revenue generated in three successive months. A hedged item is linked to relevant hedging instruments based on an individual document designating the hedging relationship.

The designated hedging instruments cover an obligation to repay a USD-denominated credit facility, whose settlement dates fall on business days of specified calendar months, in accordance with the principal repayment schedule.

Changes in the fair value of financial instruments designated as cash flow hedges are posted directly to other comprehensive income to the extent they represent an effective hedge, while the ineffective portion is charged to other finance income or costs in the reporting period.

At the time when a hedge is undertaken, the Group formally designates and documents the hedging relationship, as well as its risk management objective and strategy for undertaking the hedge. The relevant documentation identifies: (i) the hedging instrument, (ii) the hedged item or transaction, (iii) the nature of the hedged risk, and (iv) specifies how the Company will assess the hedging instrument's effectiveness in offsetting changes in the fair value of the hedged item or cash flows attributable to the hedged risk.

The hedge is expected to be highly effective in offsetting changes in fair value or cash flows attributable to the hedge risk. The hedge is assessed on an ongoing basis to determine whether it remains highly effective during all the reporting periods for which it was undertaken.

## 7.24 Provisions

Provisions are recognised when the Group has a present obligation (legal or constructive) as a result of a past event, it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation, and the amount of the obligation can be reliably estimated. If the Group anticipates that the costs for which provisions have been recognised will be recovered, e.g. under an insurance agreement, the recovery of such funds is recognised as a separate asset, but only when such recovery is practically certain to occur. The cost related to a given provision is disclosed in the statement of comprehensive income net of any recoveries. If the effect of the time value of money is significant, the amount of provisions is determined by discounting projected future cash flows to their present value at a pre-tax discount rate reflecting the current market estimates of the time value of money and risks, if any, specific to a given obligation. If the discount method is applied, an increase in the provision as a result of passage of time is recognised as finance costs. Provisions, other than provisions for decommissioning and site restoration costs, are charged against operating expenses, other expenses, or finance costs, depending on what circumstances the future obligation relates to.

## 7.24.1 Provisions for decommissioning and restoration costs

Provisions for decommissioning and restoration costs are recognised when the Group has an obligation to decommission oil and gas extraction facilities or to demolish, disassemble or remove other property, plant and equipment and restore the site to its original condition, and when a reliable estimate can be made of the amount of the obligation.



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If a decommissioning obligation arises with respect to new property, plant and equipment, such as production and transport infrastructure (pipelines) or refinery installations, it is recognised on completion of construction or installation. If a decommissioning obligation arises with respect to a production well, it is recognised on completion of drilling, irrespective of the hydrocarbon flow recorded.

A decommissioning obligation may be further adjusted over the useful life of a well, production or transport infrastructure, etc. to reflect changes in applicable laws or a decision to suspend certain operations. The recognised amount of the obligation is the present value of future expenditures, estimated for the local conditions and requirements.

On recognition of a decommissioning obligation, a matching decommissioning asset is recognised in the same amount (in an appropriate item of property, plant and equipment), which is subsequently depreciated in line with the asset subject to decommissioning.

The amount of the decommissioning provision and its corresponding asset is adjusted to reflect changes to the present value of estimated decommissioning and restoration costs, other than provision discount reversals. Adjustments are also made for foreign exchange gains or losses arising from translation of a decommissioning obligation denominated in a foreign currency when it is certain that the obligation will be settled in that currency.

Periodic discount unwinding is recognised as finance costs in the statement of comprehensive income.

Deferred tax assets and liabilities are recognised in respect of the decommissioning provision and the corresponding decommissioning asset.

Under the Polish Geological and Mining Law of February 4th 1994 (Dz.U.05.228.1947, as amended), the Group is required to operate an Oil and Gas Extraction Facility Decommissioning Fund, whose financial resources may only be used to cover the cost of decommissioning of an oil and gas extraction facility or its designated part.

The amount of contribution to the Fund is calculated separately for each facility and represents an equivalent of 3% or more of the depreciation charge recognised on the facility's property, plant and equipment, determined in accordance with applicable corporate income tax laws. Companies are required to deposit the contributions in a separate bank account until decommissioning start date.

#### 7.25 Trade and other payables, and accruals and deferred income

Short-term trade and other payables are reported at nominal amounts payable.

The Group derecognises a financial liability when it is extinguished, that is when the obligation specified in the contract is either discharged or cancelled or expires. When a debt instrument between the same parties is replaced by another instrument whose terms are substantially different, the Group treats such replacement as if the former financial liability was extinguished and recognises a new liability. Similarly, material modifications to the terms of a contract concerning an existing financial liability are presented as extinguishment of the former and recognition of a new financial liability. Any differences in the respective carrying amounts arising in connection with the replacement are charged to profit or loss.

Other non-financial liabilities include in particular value added tax, excise duty and fuel charge liabilities to the tax authorities and liabilities under

Other non-financial liabilities include in particular value added tax, excise duty and fuel charge liabilities to the tax authorities and liabilities under received prepayments, which are to be settled by delivery of goods or tangible assets, or performance of services. Other non-financial liabilities are measured at nominal amounts payable.

Accrued expenses are recognised at probable amounts of current-period liabilities. The Group discloses accruals and deferred income under other non-financial liabilities or, if they are related to employee benefits, under employee benefit obligations.

## 7.26 Grants

If there is reasonable certainty that a grant will be received and that all related conditions will be fulfilled, grants are recognised at fair value.

If a grant concerns a cost item, it is recognised as income in matching with the expenses it is to compensate for. If it concerns an asset, its fair value is recognised as deferred income, and then it is written off annually in equal parts through the statement of comprehensive income over the estimated useful life of the asset.

## 7.27 Joint arrangements

IFRS 11 defines a joint arrangement as a contractual arrangement under which the business of two or more parties is subject to joint control. Joint control exists only when decisions about the relevant activities under the arrangement require the unanimous consent of all the parties.

Joint arrangements are classified into two types – joint operations and joint ventures. The distinction between the two is based on different rights and obligations of the parties under the joint arrangement.

If under the joint arrangement the parties with joint control of the arrangement have rights to the net assets of the arrangement, then it is a joint venture, which in principle requires the establishment of a separate vehicle. The Group's joint ventures include LOTOS-Air BP Polska Sp. z o.o., a jointly-controlled entity operating in the downstream segment, and the following entities operating in the upstream segment: Baltic Gas Sp. z o.o., Baltic Gas spółka z ograniczoną odpowiedzialnością i współnicy sp.k., and UAB Minijos Nafta.

Investments in joint ventures measured in accordance with IFRS 11 *Joint Arrangements* are accounted for with the equity method and recognised in the statement of financial position at cost, adjusted for subsequent changes in the Group's share of the net assets of such entities, less impairment losses, if any. The statement of comprehensive income reflects the share in the results of operations of such entities, and if a change is recognised directly in their equity, the Group recognises its share in each change and, if applicable, discloses it in the statement of changes in equity and in the statement of comprehensive income under other comprehensive income, net.

Joint arrangements under which the parties with joint control of the arrangement have rights to the assets, and obligations for the liabilities, relating to the arrangement, are defined as joint operations.

The Group holds interests in joint operations in the upstream segment through a Norwegian company, LOTOS Exploration and Production Norge AS, a subsidiary of LOTOS Petrobaltic S.A. In accordance with IFRS 11, the Group recognises its interest in assets, liabilities, costs and expenses related to its joint operations in the Heimdal field in Norway.

Considering the IFRS 11 criteria, not all operations involving a number of participants are joint operations or joint ventures as defined in the standard. In some situations, the Group is a party to an arrangement whose nature is that of joint operations, but has no joint control of the arrangement. This happens when there is more than one combination of the parties that can agree to make significant decisions about the operations. For the purposes of correct recognition of revenues, costs, assets and liabilities, the Group does not apply IFRS 11 in such situations, but other relevant IFRSs, taking into account its interest in the arrangement underlying the operations.

The Group is a party to arrangements involving joint operations in the Sleipner fields in Norway which are not subject to IFRS 11. The Group recognises the operations proportionately, i.e. according to its share in revenue, costs, receivables and liabilities relating to joint exploration and production of crude oil and natural gas in the Sleipner field. Therefore, there is no practical difference in recognising transactions relating to operations



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under the Sleipner licences with respect to the requirement to recognise joint operations under the Heimdal licence, which meet the definition of joint operations in accordance with IFRS 11.

## 7.28 Segment reporting

For management purposes, the LOTOS Group is divided into business units which correspond to the business segments, whereas for financial reporting purposes the Group's operating activity comprises two main reportable operating segments:

- upstream segment comprising activities related to the acquisition of crude oil and natural gas reserves, and crude oil and natural gas production,
- downstream segment comprising the production and processing of refined petroleum products and their wholesale and retail sale, as well as auxiliary, transport and service activities.

The reportable operating segments are identified at the Group level. The Parent is included in the downstream segment.

Segment performance is assessed on the basis of revenue, EBIT and EBITDA.

EBIT is operating profit/(loss) and EBITDA is operating profit/(loss) before depreciation and amortisation.

The segments' revenue, EBIT and EBITDA do not account for intersegment adjustments.

Financial information of the operating segments used by the chief operating decision makers to assess the segments' performance is presented in Note 8.

## 7.29 Contingent liabilities and assets

In line with the policies applied by the Group, consistent with IAS 37 Provisions, Contingent Liabilities and Contingent Assets, a contingent liability is understood as:

- a possible obligation that arises from past events and whose existence will be confirmed only by the occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the entity, or
- a present obligation that arises from past events but is not recognised in the financial statements because:
  - (i) it is not probable that an outflow of resources embodying economic benefits will be required to settle the obligation, or
  - (ii) the amount of the obligation cannot be measured with sufficient reliability.

Contingent liabilities are not recognised in the statement of financial position, but information on contingent liabilities is disclosed unless the likelihood of the outflow of resources embodying economic benefits is negligible.

In accordance with the IFRS, the Group defines a contingent asset as a possible asset that arises from past events and whose existence will be confirmed only by the occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the entity.

Contingent receivables are not recognised in the statement of financial position, but information on them is disclosed if the inflow of resources embodying economic benefits is likely to occur.

Examples of contingent assets and liabilities include liabilities or receivables related to pending court disputes whose future impacts are neither known nor fully controlled by the entity. For more information on pending court disputes and other contingent liabilities, see Note 29.1 and Note 29.2, respectively.

## 7.30 Carbon dioxide (CO<sub>2</sub>) emission allowances

CO<sub>2</sub> emission allowances are presented by the Group in its financial statements in accordance with the net liability approach, which means that the Group recognises only those liabilities that result from exceeding the limit of emission allowances granted. The Group reviews the limits granted to it on an annual basis. The liability is recognised only after the Group actually exceeds the limit. Income from sale of unused emission allowances is recognised in the statement of comprehensive income at the time of sale.

Additionally purchased emission allowances are measured at acquisition cost less impairment, if any, taking into consideration the residual value of allowances, and presented as intangible assets.

If purchased allowances are used to cover a deficit existing on the date of settling the annual limit of emission allowances, the allowances thus used are offset at carrying amount with the liability previously recognised for covering the deficit.



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## 8. Business segments

	Upstream s	segment	Downstrear	n segment	Consol adjust		Consol	idated
	2018	2017	2018	2017	2018	2017	2018	2017
Revenue:	1,463.7	1,358.7	29,171.9	23,326.4	(513.9)	(499.5)	30,121.7	24,185.6
Intersegment sales	461.3	442.5	52.6	57.0	(513.9)	(499.5)	-	-
External sales	1,002.4	916.2	29,119.3	23,269.4	-	-	30,121.7	24,185.6
Operating profit/(loss) (EBIT)	1,046.2	507.2	1,928.7	1,730.7	6.4	(9.4)	2,981.3	2,228.5
Depreciation and amortisation	225.1	307.4	497.6	537.9	-	(1.0)	722.7	844.3
Operating profit/(loss) before depreciation and amortisation (EBITDA)	1,271.3	814.6	2,426.3	2,268.6	6.4	(10.4)	3,704.0	3,072.8
Total assets at end of reporting period	4,604.6	4,267.1	19,751.9	18,744.6	(2,132.6)	(1,840.5)	22,223.9	21,171.2

Type of goods or services	Upstream	segment	Downstrea	m segment	Conso	lidated
Type of goods of services	2018	2017	2018	2017	2018	2017
Revenue from Contracts with Customers:	1,002.4	916.2	29,210.9	23,419.9	30,213.3	24,336.1
Products and services	1,001.0	915.8	27,745.1	21,805.3	28,746.1	22,721.1
Merchandise and materials	1.4	0.4	1,465.8	1,614.6	1,467.2	1,615.0
Effect of cash flow hedge accounting	-	-	(91.6)	(150.5)	(91.6)	(150.5)
Total	1,002.4	916.2	29,119.3	23,269.4	30,121.7	24,185.6

Coornentical atmenture	Upstream	segment	Downstrea	m segment	Consol	idated
Geographical structure	2018	2017	2018	2017	2018	2017
Poland	7.0	5.5	23,267.6	19,235.5	23,274.6	19,241.0
Belgium	-	-	536.8	325.4	536.8	325.4
Czech Republic	-	-	351.9	287.1	351.9	287.1
Netherlands	-	-	2,315.0	1,496.1	2,315.0	1,496.1
Germany	69.9	70.2	462.6	373.6	532.5	443.8
Norway	860.1	751.4	106.5	67.6	966.6	819.0
Sweden	-	-	543.9	333.0	543.9	333.0
United Kingdom	64.1	88.8	458.1	319.8	522.2	408.6
Other countries	1.3	0.3	1,168.5	981.8	1,169.8	982.1
Effect of cash flow hedge accounting	-	-	(91.6)	(150.5)	(91.6)	(150.5)
Total	1,002.4	916.2	29,119.3	23,269.4	30,121.7	24,185.6

Sales by products, merchandise and	Upstream	segment	Downstrea	m segment	Consol	idated
services	2018	2017	2018	2017	2018	2017
Gasolines	-	-	4,450.5	3,682.2	4,450.5	3,682.2
Naphtha	-	-	1,157.1	859.6	1,157.1	859.6
Diesel oils	-	-	15,009.3	11,864.5	15,009.3	11,864.5
Bunker fuel	-	-	201.2	121.3	201.2	121.3
Light fuel oil	-	-	640.4	646.9	640.4	646.9
Heavy fuel oil	-	-	1,824.1	1,335.9	1,824.1	1,335.9
Aviation fuel	-	-	1,421.7	913.1	1,421.7	913.1
Lubricants	-	-	278.5	297.3	278.5	297.3
Base oils	-	-	587.3	488.6	587.3	488.6
Bitumens	-	-	1,309.7	978.9	1,309.7	978.9
LPG	-	-	543.8	496.1	543.8	496.1
Crude oil	285.4	252.2	320.8	432.6	606.2	684.8
Natural gas	661.8	574.4	0.3	0.3	662.1	574.7
Reformate	-	-	17.7	15.7	17.7	15.7
Other refinery products, merchandise and materials	0.6	-	545.4	424.8	546.0	424.8
Other products, merchandise and materials	6.6	5.5	530.8	457.7	537.4	463.2
Services	48.0	84.1	372.3	404.4	420.3	488.5
Effect of cash flow hedge accounting	-	-	(91.6)	(150.5)	(91.6)	(150.5)
Total	1,002.4	916.2	29,119.3	23,269.4	30,121.7	24,185.6

In 2018, there were no customers with a share in excess of 10% of the LOTOS Group's total revenue.



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## 9. Income and expenses

## 9.1 Expenses by nature

	Note	2018	2017
Depreciation and amortisation	8	722.7	844.3
Raw materials and consumables used (1)		22,937.5	16,933.1
Services		1,549.0	1,527.8
Taxes and charges		541.6	506.7
Employee benefits expense	9.2	761.6	736.2
Other expenses by nature		266.6	254.4
Merchandise and materials sold		1,280.7	1,386.1
Total expenses by nature		28,059.7	22,188.6
Change in products and adjustments to cost of sales		(689.3)	(292.2)
Total		27,370.4	21,896.4
including:			
Cost of sales		25,592.7	20,194.1
Distribution costs		1,355.6	1,252.3
Administrative expenses		422.1	450.0

<sup>(1)</sup> Including PLN 66.2m of foreign exchange losses related to operating activities, recognised as cost of sales (2017: PLN 4.8m of foreign exchange losses), see Note 26.2.

## 9.2 Employee benefits expense

	Note	2018	2017
Current service costs		578.9	560.7
Social security and other employee benefits		167.3	166.2
Length-of-service awards, retirement and other post-employment benefits	24.2	15.4	9.3
Total employee benefits expense	9.1	761.6	736.2
Change in products and adjustments to cost of sales		(4.0)	(3.1)
Total		757.6	733.1
including:			
Cost of sales		453.5	439.0
Distribution costs		41.1	33.3
Administrative expenses		263.0	260.8



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## 9.3 Other income

	Note	2018	2017
Provisions		_	24.6
remeasurement of provision for costs of decommissioning of the offshore oil and gas extraction facilities in the Heimdal field		-	13.1
- remeasurement of provision for costs of decommissioning of the offshore oil and gas extraction facilities in the B-3 field		-	3.1
<ul> <li>remeasurement of provision for contingent payments – Sleipner assets acquisition agreement</li> </ul>		-	0.3
- provision for deficit in CO <sub>2</sub> emission allowances	27.2	-	(4.6
- other provisions		-	12.7
Reversal of impairment loss on property, plant and equipment and intangible assets:		271.7	-
Reversal of impairment losses:		373.5	
on oil and gas development assets: Norway: YME field	13.2.2	349.5	
oil and gas production assets: Lithuania: Girkalai, Nausodis fields	13.2.2	23.5	
refinery and other non-current assets		0.5	
Impairment losses:		(101.8)	
oil and gas production assets:	13.2.2	(67.7)	
- Norway: Heimdal assets		(48.7)	
- Lithuania: Vėžaičiai field		(18.5)	
- Poland: B-8 field		(0.5)	
• oil and gas exploration and evaluation assets: Poland: Kamień Pomorski area	13.2.1	(0.4)	
refinery and other non-current assets:		(33.7)	
- service stations		(33.3)	
- other assets		(0.4)	
Grants	25.2	9.5	16.8
Damages		<b>124.1</b> (1)	9.9
Reimbursed excise duty		-	1.6
Other		7.2	7.4
Total		412.5	60.3

 $<sup>^{(1)}</sup>$ Including PLN 118.3m due to the Group as its share of damages related to the YME project, see Note 29.1.

The Group offsets similar transaction items in accordance with IAS 1 *Presentation of Financial Statements*, Sections 34 and 35. Material items of income and expenses charged to profit or loss are disclosed separately, as presented in the table above.



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## 9.4 Other expenses

	Note	2018	2017
Impairment loss on property, plant and equipment and intangible assets:		-	83.6
Impairment losses:		-	85.8
<ul> <li>oil and gas exploration and evaluation assets: Poland: Kamień Pomorski area</li> </ul>	13.2.1	-	23.7
<ul> <li>oil and gas production assets: Lithuania: Girkalai, Auksoras, Vėžaičiai, Kretinga, Ablinga and Ližai fields</li> </ul>	13.2.2	-	32.9
<ul> <li>refinery and other non-current assets:</li> </ul>	13.1.1	-	29.2
- service stations		-	26.2
- ships		-	0.8
- other assets		-	2.2
Reversal of impairment losses:		-	(2.2)
<ul><li>refinery and other non-current assets:</li></ul>		-	(2.2)
- service stations		-	(1.9)
- other assets		•	(0.3)
Gain on disposal of non-financial non-current assets		3.7	0.9
Loss on discontinued projects		0.1	0.7
Impairment losses on receivables:	15.1	6.4	2.0
- impairment losses		8.3	5.5
- reversal of impairment losses		(1.9)	(0.5)
Provisions:			(3.5)
i iovisions.		146.9	,
- provision for deficit in CO <sub>2</sub> emission allowances	27.2	<b>146.9</b> 26.3	-
	27.2 25.1		-
- provision for deficit in CO₂ emission allowances - remeasurement of provision for contingent payments – Sleipner		26.3	-
<ul> <li>provision for deficit in CO<sub>2</sub> emission allowances</li> <li>remeasurement of provision for contingent payments – Sleipner assets acquisition agreement</li> </ul>		26.3 69.2	- - -
<ul> <li>provision for deficit in CO<sub>2</sub> emission allowances</li> <li>remeasurement of provision for contingent payments – Sleipner assets acquisition agreement</li> <li>tax risk provisions</li> </ul>		26.3 69.2 52.5	-
- provision for deficit in CO <sub>2</sub> emission allowances  - remeasurement of provision for contingent payments – Sleipner assets acquisition agreement  - tax risk provisions  - other provisions  Fines and compensation  Damage to property arising in ordinary course of business		26.3 69.2 52.5 (1.1)	- - - - 8.0
- provision for deficit in CO <sub>2</sub> emission allowances - remeasurement of provision for contingent payments – Sleipner assets acquisition agreement - tax risk provisions - other provisions  Fines and compensation		26.3 69.2 52.5 (1.1) 2.5	- - - - 8.0 1.6
- provision for deficit in CO <sub>2</sub> emission allowances  - remeasurement of provision for contingent payments – Sleipner assets acquisition agreement  - tax risk provisions  - other provisions  Fines and compensation  Damage to property arising in ordinary course of business		26.3 69.2 52.5 (1.1) 2.5 1.2	(3.5)

The Group offsets similar transaction items in accordance with IAS 1 *Presentation of Financial Statements*, paragraphs 34 and 35. Material items of income and expenses charged to profit or loss are disclosed separately, as presented in the table above.



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## 9.5 Finance income

	Note	2018	2017
Dividends		5.3	4.2
- equity accounted joint ventures		3.2	2.1
<ul> <li>equity investments measured at fair value through other comprehensi income</li> </ul>	ve 26.2	2.1	2.1
Interest:		34.6	20.8
interest on assets measured at amortised cost:		34.2	19.2
- on trade receivables	26.2	2.7	2.6
- on cash	26.2	4.5	2.3
- on deposits	26.2	27.0	14.3
other interest		0.4	1.6
Exchange differences:		-	107.9
- on bank borrowings	26.2	-	180.7
- on translation of intercompany loans (1)	26.2	-	(99.2)
- on realised foreign-currency transactions in bank accounts	26.2	-	35.5
- on notes	26.2	-	(6.0)
- on deposits and other cash	26.2	-	(7.1)
- other		-	4.0
Revaluation of derivative financial instruments:		-	314.1
- measurement	26.2	-	196.7
- settlement	26.2	-	117.4
Other		1.2	3.0
Total		41.1	450.0

<sup>(1)</sup> According to IAS 21 The Effects of Changes in Foreign Exchange Rates, foreign exchange gains and losses on intercompany foreign currency transactions are recognised in the Group's net profit or loss.

## 9.6 Finance costs

	Note		2018	2017
Interest:			186.9	203.8
interest on liabilities measured at amortised cost:			116.9	134.2
- on bank borrowings	26.2		103.7	114.2
- on non-bank borrowings	26.2		2.9	3.5
- on notes	26.2		7.8	15.6
- other			2.5	0.9
other interest			70.0	69.6
- on finance lease liabilities	26.2		19.9	18.4
<ul> <li>discount on provisions for oil and natural gas production facilities and for site restoration, and other provisions</li> </ul>	25.1		43.8	43.1
<ul> <li>cost of discount on employee benefit obligations</li> </ul>	24.1:	24.2	5.4	5.8
- on liabilities to the state budget	,		0.3	1.7
- other			0.6	0.6
Exchange differences:			75.2	-
- on bank borrowings	26.2		94.5	-
- on translation of intercompany loans (1)	26.2		(25.2)	-
<ul> <li>on realised foreign-currency transactions in bank accounts</li> </ul>	26.2		3.3	-
- on notes	26.2		13.4	-
- on deposits and other cash	26.2		(12.8)	-
- other			2.0	-
Revaluation of derivative financial instruments:			7.2	-
- measurement	26.2		116.7	-
- settlement	26.2		(109.5)	-
Bank fees			15.9	18.0
Tax risk provision			17.1	1.3
Other			0.8	10.9
Total			303.1	234.0

<sup>(1)</sup> According to IAS 21 The Effects of Changes in Foreign Exchange Rates, foreign exchange gains and losses on intercompany foreign currency transactions are recognised in the Group's net profit or loss.

The Group offsets similar transaction items in accordance with IAS 1 *Presentation of Financial Statements*, paragraphs 34 and 35. Material items of income and expenses charged to profit or loss are disclosed separately, as presented in the table above.



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#### 10. Income tax

## 10.1 Tax expense

	Note	2018	2017
Current tax		760.7	567.7
Deferred tax	10.3	374.5	208.2
Total income tax charged to net profit or loss	10.2	1,135.2	775.9
Tax expense recognised in other comprehensive income (net), including:		(14.5)	136.5
- cash flow hedging	20	(14.8)	137.8
- actuarial gain/(loss) relating to post-employment benefits		0.3	(1.3)

For the entities operating in Poland, the current and deferred portion of income tax was calculated at the rate of 19% of taxable income.

In the case of Norwegian subsidiary LOTOS Exploration and Production Norge AS, the marginal tax rate is 78% of the tax base. LOTOS Exploration and Production Norge AS's activities are subject to taxation under two parallel tax systems: the corporate income tax system (23% tax rate) and the petroleum tax system (additional tax rate of 55%). In 2019, the tax rates will be 22% under the corporate income tax regime and 56% under the petroleum tax regime, which affects the amount of deferred income tax recognised in the current reporting period.

In the case of Lithuanian subsidiaries (AB LOTOS Geonafta Group), the current and deferred portion of income tax was calculated at the rate of 15%.

## 10.2 Corporate income tax calculated at effective tax rate and reconciliation of pre-tax profit to taxable income

	2018	2017
Pre-tax profit	2,722.6	2,447.7
Income tax at 19%	517.3	465.1
Permanent differences:	26.7	43.8
- tax risk provision	13.6	-
- interest on past-due public charges	-	1.3
- other permanent differences	13.1	42.5
Tax effect of share in profit of equity-accounted entities	(0.6)	(0.6)
Adjustments disclosed in current year related to tax for previous years	(1.2)	(0.5)
Difference resulting from the application of tax rates other than 19%:	592.9	267.9
- Norway	592.2	266.0
- Lithuania	0.7	2.1
- other	-	(0.2)
Other differences	0.1	0.2
Income tax	1,135.2	775.9

### 10.3 Deferred income tax

	_	Statement of financial position					
	Note	December 31st 2017	Effect of changes in accounting policies	January 1st 2018	December 31st 2018		
Deferred tax assets		415.4	-	415.4	149.6	(265.8)	
Deferred tax liabilities		(277.7)	31.0	(246.7)	(324.9)	(78.2)	
Net deferred tax assets/(liabilities)	10.3.1	137.7	31.0	168.7	(175.3)	(344.0)	
Exchange differences on translating deferred tax of foreign operations						(16.0)	
Deferred tax disclosed under other comprehensive income/(loss), net	10.1					(14.5)	
Deferred tax expense charged to net profit or loss	10.1					(374.5)	

Taxable temporary differences are expected to expire in 2019–2090.

As at December 31st 2018, unrecognised tax assets on account of tax losses were PLN 0.1m (December 31st 2017: PLN 0.2m). The period during which tax losses for which no tax asset has been recognised may be settled in accordance with applicable tax laws expires in 2020.



(PLNm)

#### 10.3.1 Deferred tax assets and liabilities

1	December 31st 2017 Note	Effect of changes in accounting policies	January 1st 2018	Deferred tax disclosed under net profit or loss	Deferred tax disclosed under other comprehensive income/(loss)	Exchange differences on translating deferred tax of foreign operations	December 31st 2018
Deferred tax assets							
Employee benefit obligations	59.1	-	59.1	1.0	(0.3)	0.1	59.9
Provisions for/assets related to					,		
decommissioning of oil and gas extraction	499.4	-	499.4	66.2	-	8.1	573.7
facilities and site restoration							
Finance lease liabilities	26.4	-	26.4	8.5	-	-	34.9
Cash flow hedge accounting	52.9	-	52.9	-	14.8	-	67.7
Other	48.2	-	48.2	16.8	-	-	65.0
	686.0	-	686.0	92.5	14.5	8.2	801.2
Deferred tax liabilities							
Purchase of property, plant and equipment and intangible assets	419.6	-	419.6	423.3	-	(5.7)	837.2
Difference between current tax value and							
carrying amount of settlements under joint operations (Norwegian fields)	15.5	(31.0)	(15.5)	20.7	-	(0.8)	4.4
Other	113.2	-	113.2	23.0	-	(1.3)	134.9
	548.3	(31.0)	517.3	467.0	-	(7.8)	976.5
Net deferred tax assets/(liabilities)	10.3 137.7	31.0	168.7	(374.5)	14.5	16.0	(175.3)



(PLNm)

## 11. Earnings per share

	2018	2017
Net profit attributable to owners of the Parent (PLNm) (A)	1,587.4	1,671.8
Weighted average number of shares (million) (B)	184.9	184.9
Earnings per share (PLN) (A/B)	8.59	9.04

Earnings per share for each reporting period are calculated by dividing net profit for the reporting period by the weighted average number of shares in the reporting period.

Diluted earnings per share are equal to basic earnings per share as there are no instruments with a dilutive effect.

#### 12. Dividends

As at December 31st 2018 and December 31st 2017, Grupa LOTOS S.A. was restricted in its ability to make distributions in the form of dividends. The restrictions followed from the credit facility agreement executed on June 27th 2008 for the financing of the 10+ Programme, whereby dividend payment and amounts are subject to certain conditions, including generation of sufficient free cash and achievement of certain levels of financial ratios.

On June 28th 2018, the General Meeting of Grupa LOTOS S.A. passed a resolution on the allocation of the Company's net profit for 2017. Under the resolution, the 2017 net profit of PLN 1,419.5m was applied towards:

- dividend payment PLN 184.9m,
- coverage of the 2014 and 2015 net loss PLN 347.0m,
- increase in statutory reserve funds PLN 887.6m.

The dividend was paid on September 28th 2018. The dividend per share amounted to PLN 1, pre-tax.

#### 13. Property, plant and equipment and intangible assets

	Note	December 31st 2018	December 31st 2017
Non-current assets of the Downstream segment	13.1	8,894.3	8,924.7
Property, plant and equipment	13.1.1	8,742.4	8,761.5
Intangible assets, including:		151.9	163.2
Goodwill	13.1.2	45.6	45.6
Other intangible assets	13.1.3	106.3	117.6
Non-current assets of the Upstream segment	13.2	3,382.0	2,709.0
Property, plant and equipment		3,044.0	2,404.2
Intangible assets, including:		338.0	304.8
Goodwill		1.1	1.1
Other intangible assets		336.9	303.7
Total property, plant and equipment and intangible ass	sets	12,276.3	11,633.7
including:			
Property, plant and equipment		11,786.4	11,165.7
Intangible assets		489.9	468.0



(PLNm)

#### 13.1 Non-current assets of the Downstream segment

## 13.1.1 Property, plant and equipment of the Downstream segment

	Note	Land	Buildings, structures	Plant and equipment	Vehicles, other	Property, plant and equipment under construction	Total	
Gross carrying amount Jan 1 2018		523.7	4,608.5	5,711.1	714.1	1,874.4	13,431.8	
Purchase		-	-	-	9.9	348.7	358.6	(1)
Transfer from property, plant and equipment under construction		-	173.1	137.9	16.5	(327.5)	-	
Borrowing costs		-	-	-	-	75.8	75.8	
Leases		-	-	-	72.1	-	72.1	
Sale		(0.6)	(8.7)	(8.3)	(18.8)	(0.1)	(36.5)	
Other		-	(0.7)	2.0	(1.1)	(1.5)	(1.3)	
Gross carrying amount Dec 31 2018		523.1	4,772.2	5,842.7	792.7	1,969.8	13,900.5	
Accumulated depreciation/amortisation Jan 1 2018		17.8	1,785.8	2,369.9	407.0	-	4,580.5	
Depreciation and amortisation		1.6	170.1	254.3	57.6	-	483.6	
Sale		-	(2.9)	(7.2)	(17.1)	-	(27.2)	
Other		-	(0.3)	2.1	1.2	-	3.0	
Accumulated depreciation/amortisation Dec 31 2018		19.4	1,952.7	2,619.1	448.7	-	5,039.9	
Impairment losses Jan 1 2018		1.5	73.6	8.9	4.7	1.1	89.8	
Recognised	9.3	-	29.3	2.1	2.3	-	33.7	(2)
Used/Reversed		-	(5.0)	(0.1)	(0.1)	(0.1)	(5.3)	
Impairment losses Dec 31 2018		1.5	97.9	10.9	6.9	1.0	118.2	
Net carrying amount Dec 31 2018		502.2	2,721.6	3,212.7	337.1	1,968.8	8,742.4	

<sup>(1)</sup> Capital expenditure included chiefly expenditure of PLN 221.0m on the construction of a delayed coking unit with auxiliary infrastructure (EFRA) and PLN 60.7m on the expansion of the service station chain.

<sup>&</sup>lt;sup>(2)</sup> Including an impairment loss of PLN 33.3m on service stations.



(PLNm)

	Land	Buildings, structures	Plant and equipment	Vehicles, other	Property, plant and equipment under construction	Total
Gross carrying amount Jan 1 2017	517.4	4,562.4	5,593.3	667.2	1,092.0	12,432.3
Purchase	-	-	-	20.7	999.2	1,019.9 (1
Transfer from property, plant and equipment under construction	6.3	47.2	150.8	34.6	(238.9)	-
Borrowing costs	-	-	-	-	37.1	37.1
Expenditure written off due to project discontinuation	-	-	-	-	(13.3)	(13.3)
Sale	-	(1.1)	(32.2) (2)	(5.4)	-	(38.7)
Other	-	-	(0.8)	(3.0)	(1.7)	(5.5)
Gross carrying amount Dec 31 2017	523.7	4,608.5	5,711.1	714.1	1,874.4	13,431.8
Accumulated depreciation Jan 1 2017	16.1	1,609.4	2,148.6	319.4	-	4,093.5
Depreciation	1.7	177.5	252.7	92.3	-	524.2
Sale	-	(1.1)	(31.7) (2)	(5.6)	-	(38.4)
Other	-	-	0.3	0.9	-	1.2
Accumulated depreciation/amortisation Dec 31 2017	17.8	1,785.8	2,369.9	407.0		4,580.5
Impairment losses Jan 1 2017	1.5	51.4	6.5	4.1	13.6	77.1
Recognised	-	23.8	2.6	1.5	0.6	28.5
Used/Reversed	-	(1.6)	(0.2)	(0.9)	-	(2.7)
Other	-	-	-	-	(13.1)	(13.1)
Impairment losses Dec 31 2017	1.5	73.6	8.9	4.7	1.1	89.8
Net carrying amount Dec 31 2017	504.4	2,749.1	3,332.3	302.4	1,873.3	8,761.5

<sup>(1)</sup> Capital expenditure included chiefly expenditure on the construction of a delayed coking unit with auxiliary infrastructure under the EFRA Project (PLN 821.9m), purchase of catalysts (PLN 96.9m) and spare parts (PLN 20.8m), as well as expansion of the service station chain (PLN 32.8m), and construction of a hydrogen recovery unit (PLN 19.5m).

<sup>(2)</sup> Including disposal of spent catalysts at Grupa LOTOS S.A. – PLN (19.0m).



(PLNm)

#### Impairment losses on service stations

In 2018, LOTOS Paliwa Sp. z o.o. recognised an impairment loss on service station assets totalling PLN 33.3m; see Note 9.3 (2017: PLN 26.2m; see Note 9.4). The recoverable amount of property, plant and equipment related to the service station network was determined based on the value in use of each station, calculated with the discounted cash flow method. Future cash flows were calculated based on five-year cash-flow projections, prepared using budget projections for 2019 (in 2017 for 2018) and the cash inflow and outflow plan for subsequent years, based on the development strategy until 2020. The residual value for the discounted cash flows was calculated using the growing perpetuity formula. LOTOS Paliwa Sp. z o.o.'s net weighted average cost of capital (WACC) based on the company's financing structure was assumed at 7.69% (2017: 8.01%).

Calculation of the value in use of cash-generating units is most sensitive to the following variables:

- gross margin, which depends on average values of unit margins in the period preceding the budget period (a 1.0% average year-on-year margin decrease was assumed),
- a discount rate which reflects the expected rate of return on assets at a specific risk level (the rate is calculated in accordance with the WACC and CAPM methodologies and is based on such amounts as the median of 10-year treasury bond quotations, market risk premium (MRP), country risk premium (CRP), and the market structure of financing,
- volumes based on fuel consumption growth rate (a 1.2% increase was assumed),
- market share in the budget period (a stable market share was assumed),
- the growth rate used to estimate cash flows outside the budget period (0.0%).

#### 13.1.2 Goodwill of the downstream segment

Goodwill is allocated to cash-generating units, as presented in the table below:

	December 31st 2018	December 31st 2017
Goodwill arising on the acquisition of an organised part of business by LOTOS Paliwa Sp. z o.o.:		
- wholesale of LPG	10.0	10.0
- service stations chains (ESSO, Slovnaft Polska)	33.7	33.7
Total	43.7	43.7
Goodwill arising on acquisition of other entities	1.9	1.9
Total goodwill	45.6	45.6

As at December 31st 2018 and as at December 31st 2017, impairment tests of individual cash-generating units to which goodwill was allocated did not reveal any impairment indicators.

The Group determines the recoverable amount of cash-generating units based on their respective values in use, calculated on the basis of a five-year cash flow projection. The residual value for the discounted cash flows was calculated using the growing perpetuity formula. The discount rate adopted for the calculation reflects net WACC of 7.69% (2017: 8.01%). It was assumed that the rate of cash flows after the forecast period will be constant.

The most material factors affecting the estimated values in use of cash-generating units were gross margin, discount rate, volumes forecast, projected market shares in the budget period and estimated growth rate beyond the forecast period.

The Group believes that no reasonably probable change in the key parameters identified above would result in goodwill impairment.



(PLNm)

## 13.1.3 Other intangible assets of the downstream segment

	Patents, trademarks and licences	Other	Intangible assets under development	Total
Gross carrying amount Jan 1 2018	206.9	37.4	10.4	254.7
Purchase	-	0.3	8.9	9.2
Transfer from intangible assets under development	6.1	8.0	(6.9)	-
Other	(0.3)	(6.7)	0.2	(6.8)
Gross carrying amount Dec 31 2018	212.7	31.8	12.6	257.1
Accumulated depreciation/amortisation Jan 1 2018	120.8	16.3	-	137.1
Depreciation and amortisation	12.6	1.3	-	13.9
Other	(0.2)	-	-	(0.2)
Accumulated depreciation/amortisation Dec 31 2018	133.2	17.6	-	150.8
Impairment losses Jan 1 2018	-	-	-	-
Recognised	-	-	-	-
Used/Reversed	-	-	-	-
Impairment losses Dec 31 2018	-	-	-	-
Net carrying amount Dec 31 2018	79.5	14.2	12.6	106.3
Gross carrying amount Jan 1 2017	205.3	37.1	17.3	259.7
Purchase	-	0.1	7.2	7.3
Transfer from intangible assets under development	3.5	0.5	(4.0)	-
Expenditure written off due to project discontinuation	-	-	(9.0) (1)	(9.0)
Other	(1.9)	(0.3)	(1.1)	(3.3)
Gross carrying amount Dec 31 2017	206.9	37.4	10.4	254.7
Accumulated depreciation/amortisation Jan 1 2017	111.3	15.0	-	126.3
Amortisation	11.4	1.4	-	12.8
Other	(1.9)	(0.1)	-	(2.0)
Accumulated depreciation/amortisation Dec 31 2017	120.8	16.3	-	137.1
Impairment losses Jan 1 2017	-	-	9.0	9.0
Recognised	-	-	-	-
Used/Reversed	-	-	(9.0) <sup>(1)</sup>	(9.0)
Impairment losses Dec 31 2017	-	-	-	-
Net carrying amount Dec 31 2017	86.1	21.1	10.4	117.6

 $<sup>^{\</sup>mbox{\scriptsize (1)}}$  Refining units (no effect on net profit or loss).

Intangible assets of the downstream segment include licences relating to technological processes, including licences for technologies used in the refinery, licences for fuel production, storage and trading, software licences, patents, trademarks and acquired CO<sub>2</sub> emission allowances.



(PLNm)

## 13.2 Non-current assets of the Upstream segment

	Note	December 31st 2018	December 31st 2017
Oil and gas exploration and evaluation assets	13.2.1	313.4	256.9
Property, plant and equipment		62.0	52.2
Intangible assets		251.4	204.7
Oil and gas development and production assets	13.2.2	2,731.3	2,103.4
Property, plant and equipment		2,646.3	2,018.0
Intangible assets		85.0	85.4
Other non-current assets of the upstream segment	13.2.3	337.3	348.7
Property, plant and equipment		335.7	334.0
Intangible assets		1.6	14.7
Total non-current assets of the upstream segment		3,382.0	2,709.0
including:			
Property, plant and equipment		3,044.0	2,404.2
Intangible assets		338.0	304.8



(PLNm)

## 13.2.1 Oil and gas exploration and evaluation assets

		Property, plant and equipment classified as exploration and evaluation assets exploration and evaluation assets				Total
	Note	Poland	Poland	Norway	Lithuania	
Gross carrying amount Jan 1 2018		187.8	13.7	217.3	10.0	428.8
Purchase		10.2	-	30.9	-	41.1
Exchange differences on translating foreign operations		-	-	3.3	0.3	3.6
Reclassification of intangible assets		-	-	13.7	-	13.7
Expenditure written off due to project discontinuation		24.1 (1)	-	-	-	24.1
Gross carrying amount Dec 31 2018		222.1	13.7	265.2	10.3	511.3
Accumulated depreciation/amortisation Jan 1 2018		-	9.4	-	-	9.4
Depreciation and amortisation		-	0.9	-	-	0.9
Accumulated depreciation/amortisation Dec 31 2018		-	10.3	-	•	10.3
Impairment losses Jan 1 2018		135.6	-	16.9	10.0	162.5
Recognised	9.3	0.4	-	-	-	0.4
Exchange differences on translating foreign operations		-	-	0.3	0.3	0.6
Expenditure written off due to project discontinuation		24.1 (1)	-	-	-	24.1
Impairment losses Dec 31 2018		160.1	-	17.2	10.3	187.6
Net carrying amount Dec 31 2018		62.0	3.4	248.0		313.4

<sup>(1)</sup> Expenditure on exploration and evaluation work in the Kamień Pomorski area (with no effect on result).



(PLNm)

		Property, plant and equipment classified as exploration and evaluation assets	Intangible assets classi	fied as exploration and evalu	uation assets	Total
	Note	Poland	Poland	Norway	Lithuania	
Gross carrying amount Jan 1 2017		167.6	9.3	429.7	10.6	617.2
Purchase		20.2	4.4	32.8	<u>-</u>	57.4
Exchange differences on translating foreign operations		-	-	(44.4)	(0.6)	(45.0)
Reclassification to development assets		-	-	(200.8) (2)	-	(200.8)
Gross carrying amount Dec 31 2017		187.8	13.7	217.3	10.0	428.8
Accumulated depreciation/amortisation Jan 1 2017		-	8.9	-	-	8.9
Depreciation and amortisation		-	0.5	-	-	0.5
Accumulated depreciation/amortisation Dec 31 2017	,	-	9.4	-	-	9.4
Impairment losses Jan 1 2017		111.9	-	89.1	10.6	211.6
Recognised	9.4	23.7 (1)	-	-	-	23.7
Exchange differences on translating foreign operations		-	-	(7.3)	(0.6)	(7.9)
Reclassification to development assets		-	-	(64.9) <sup>(2)</sup>	-	(64.9)
Impairment losses Dec 31 2017		135.6	-	16.9	10.0	162.5
Net carrying amount Dec 31 2017		52.2	4.3	200.4	-	256.9

Property, plant and equipment are classified as exploration and evaluation assets until the technical feasibility and commercial viability of extracting the discovered resources are demonstrated.

<sup>(1)</sup> Expenditure on exploration and evaluation work in the Kamień Pomorski area (PLN 23.7m).
(2) Utgard (formerly Alfa Sentral) licences forming part of the acquired Sleipner assets in Norway.



(PLNm)

#### Impairment of assets of the Sleipner gas field in Norway

As at December 31st 2018 and December 31st 2017, the Group tested the Utgard (previously Alfa Sentral) field at a pre-development stage for impairment. The test was performed based on the following assumptions, equivalent to those adopted for development and production assets:

- the cash flow projection period was assumed to equal the assets' planned life,
- the discount rate was assumed to equal the weighted average cost, at 7.02% (2017: 8.17%) after taxation with the 78% marginal tax rate (applicable in Norway).
- production and sales volumes, capital expenditure, operating expenses and field decommissioning costs were assumed as projected by the field operator.

The following assumptions were adopted for the estimates as part of the impairment test as at December 31st 2018:

#### - for crude oil in USD/bbl (per barrel):

- 2019–2022 prices in line with the price assumptions of available market scenarios,
- 2023 and beyond prices remaining stable in the long term on par with the 2022 level, adjusted for inflation.

#### - for natural gas in p/th (pence/thermal units):

- 2019–2022 prices in line with the price assumptions of available market scenarios,
- 2023 and beyond prices remaining stable in the long term on par with the 2022 level, adjusted for inflation.

The following assumptions were adopted for the estimates as part of the impairment test as at December 31st 2017:

#### - for crude oil in USD/bbl (per barrel):

- 2018–2022 prices in line with the price assumptions of available market scenarios,
- 2023 and beyond prices remaining stable in the long term on par with the 2022 level, adjusted for inflation.

## - for natural gas in p/th (pence/thermal units):

- 2018–2022 prices in line with the price assumptions of available market scenarios,
- 2023 and beyond prices remaining stable in the long term on par with the 2022 level, adjusted for inflation.

In connection with risks inherent in the field development phase (such as geological, technical, schedule and operational risks), the Group adopted, in accordance with IAS 36 *Impairment of Assets*, a conservative approach to calculating the recoverable amount of the Utgard project. The risks identified at this phase of the project were quantified in a simplified way as a 20% discount to base prices of crude oil.

Remeasurement of the recoverable amount performed as at December 31st 2018 showed no need to recognise an impairment loss on those assets.

Due to significant market volatility, in particular with respect to oil and gas prices, the adopted assumptions may be subject to justifiable changes, and such changes may necessitate a revision of the carrying amounts of the Utgard field's assets in the future. To determine the effect of key factors on the test results, the Group carried out an analysis of sensitivity to a +/-15% change in oil and gas price, +/-15% change in production volumes, +/-15% change in the USD/NOK exchange rate, and +/- 0.5pp change in the discount rate.

Presented below is the estimated level of impairment loss recognition (-) and reversal (+) following changes in the key assumptions:

Factor	Change	Estimated level of impairment loss recogn	ition and reversal (PLNm)
Crude oil and gas prices	+/- 15%	63.4	-80.8
Production volume	+/- 15%	58.3	59.4
USD/NOK exchange rate	+/- 15%	63.4	63.8
Discount rate	+/- 0.5 pp	-5.3	4.3



(PLNm)

#### 13.2.2 Oil and gas development and production assets

		Oil and gas development assets				Oil and gas pro	duction assets		Total	
	Note -	Poland	Norway	Total	Poland	Norway	Lithuania	Total		
Gross carrying amount Jan 1 2018			1,650.5	1,650.5	1,823.9	1,407.4	626.4	3,857.7	5,508.2	
Purchase		-	320.5	320.5	128.3	21.7	0.1	150.1	470.6	
Exchange differences on translating foreign operations		-	25.8	25.8	-	28.0	19.4	47.4	73.2	
Estimated costs of decommissioning of oil and gas extraction facilities		-	-	-	22.0	1.7	1.3	25.0	25.0	
Reclassification of refinery and other assets		-	-	-	-	-	(1.5)	(1.5)	(1.5)	
Borrowing costs		-	-	-	8.6	-	-	8.6	8.6	
Other		-	-	-	(0.4)	-	(0.7)	(1.1)	(1.1)	
Gross carrying amount Dec 31 2018		-	1,996.8	1,996.8	1,982.4	1,458.8	645.0	4,086.2	6,083.0	
Accumulated depreciation/amortisation Jan 1 2018		-	-	-	499.5	912.9	294.1	1,706.5	1,706.5	
Depreciation and amortisation		-	-	-	36.3	135.1	13.0	184.4	184.4	
Exchange differences on translating foreign operations		-	-	-	-	15.3	9.3	24.6	24.6	
Other		-	-	-	-	-	(0.7)	(0.7)	(0.7)	
Accumulated depreciation/amortisation Dec 31 2018		-	-	-	535.8	1,063.3	315.7	1,914.8	1,914.8	
Impairment losses Jan 1 2018		-	1,436.2	1,436.2	-	34.9	227.2	262.1	1,698.3	
Recognised	9.3	-	-	-	0.5	48.7 <sup>(2)</sup>	18.5 <sup>(3)</sup>	67.7	67.7	
Exchange differences on translating foreign operations		-	37.6	37.6	-	(0.5)	6.8	6.3	43.9	
Used/Reversed	9.3	-	(349.5) (1)	(349.5)	-	-	(23.5) (4)	(23.5)	(373.0)	
Impairment losses Dec 31 2018		-	1,124.3	1,124.3	0.5	83.1	229.0	312.6	1,436.9	
Net carrying amount Dec 31 2018			872.5	872.5	1,446.1	312.4	100.3	1,858.8	2,731.3	

<sup>(1)</sup> YME field (2) Heimdal assets (3) Vėžaičiai field

<sup>(4)</sup> Fields: Girkalai, Nausodis



(PLNm)

		Oil and ga	s development	assets	Oi	l and gas produc	tion assets		Total
	Note	Poland	Norway	Total	Poland	Norway	Lithuania	Total	
Gross carrying amount Jan 1 2017		-	1,592.1	1,592.1	1,650.4	1,603.4	659.8	3,913.6	5,505.7
Purchase		-	82.0 (1)	82.0	154.8 <sup>(2)</sup>	47.7	2.7	205.2	287.2
Exchange differences on translating foreign operations		-	(224.4)	(224.4)	-	(208.1)	(37.8)	(245.9)	(470.3)
Estimated costs of decommissioning of oil and gas extraction facilities		-			6.6	(35.6)	-	(29.0)	(29.0)
Reclassification of refinery and other assets		-	-	-	0.1	-	-	0.1	0.1
Reclassification of exploration and evaluation assets		-	200.8 (3)	200.8	-	-	-	-	200.8
Borrowing costs		-	-	-	12.5	-	-	12.5	12.5
Expenditure written off due to project discontinuation		-	-	-	(0.5)	-	-	(0.5)	(0.5)
Other		-	-	-	-	-	1.7	1.7	1.7
Gross carrying amount Dec 31 2017		-	1,650.5	1,650.5	1,823.9	1,407.4	626.4	3,857.7	5,508.2
Accumulated depreciation/amortisation Jan 1 2017		-	-	-	461.0	827.0	293.0	1,581.0	1,581.0
Depreciation and amortisation		-	-	-	38.4	206.4	18.2	263.0	263.0
Exchange differences on translating foreign operations		-	-	-	-	(120.5)	(17.1)	(137.6)	(137.6)
Reclassification of refinery and other assets		-	-	-	0.1		-	0.1	0.1
Accumulated depreciation/amortisation Dec 31 2017		-	-	-	499.5	912.9	294.1	1,706.5	1,706.5
Impairment losses Jan 1 2017		-	1,579.7	1,579.7	-	40.1	206.7	246.8	1,826.5
Recognised	9.4	-	-	-	-	-	32.9	32.9	32.9
Exchange differences on translating foreign operations		-	(208.4)	(208.4)	-	(5.2)	(12.4)	(17.6)	(226.0)
Reclassification of exploration and evaluation assets		-	64.9 <sup>(3)</sup>	64.9	-	-	-	-	64.9
Impairment losses Dec 31 2017		-	1,436.2	1,436.2	-	34.9	227.2	262.1	1,698.3
Net carrying amount Dec 31 2017			214.3	214.3	1,324.4	459.6	105.1	1,889.1	2,103.4

<sup>(1)</sup> Expenditures on YME (PLN 47.2m) and Sleipner (PLN 34.9m) assets.
(2) Expenditure on the B8 field.
(3) Utgard (formerly Alfa Sentral) licence forming part of the acquired Sleipner assets in Norway.



(PLNm)

#### Impairment testing of assets in the B-8 field in the Baltic Sea

In connection with an update of the project budget and schedule as well as the profile of production from the B-8 field, as at December 31st 2018 (and December 31st 2017) the Group carried out impairment tests for assets related to the field.

Key assumptions underlying computation of the recoverable amount of the tested assets:

- the cash flow projection period was assumed to equal the assets' planned life,
- the discount rate was assumed to equal the weighted average cost, at 8.51% (2017: 10.46%) after taxation with the 19% marginal tax rate.
- production volumes in line with current forecasts considering current geological data,
- sales volumes, capital expenditure, operating expenses and field decommissioning costs were assumed in line with current
  projections for the B-8 field.

The following price assumptions were adopted for the estimates as part of the impairment test as at December 31st 2018:

- for crude oil in USD/bbl (per barrel of oil equivalent):
  - 2019–2022 prices in line with the price assumptions of available market scenarios,
  - 2023 and beyond prices remaining stable in the long term on par with the 2022 level, adjusted for inflation.

The following assumptions were adopted for the estimates as part of the impairment test as at December 31st 2017:

- for crude oil in USD/bbl (per barrel of oil equivalent):
  - 2018–2022 prices in line with the price assumptions of available market scenarios,
  - 2023 and beyond prices remaining stable in the long term on par with the 2022 level, adjusted for inflation.

In addition, the project budget and the expenditure incurred were reviewed and no material deviations from the original assumptions were identified. The project was also reviewed to identify redundant elements and no material assets whose cost should be written off from the investment were identified. The B-8 project on the Baltic Sea will be continued. The project is expected to reach the Ready for Operation status no earlier than in the fourth quarter of 2019, with full-scale production from the B-8 field expected to commence no earlier than in the second quarter of 2021.

The impairment tests of the B-8 field assets indicated no need to recognise impairment losses on those assets.

Due to significant market volatility, in particular with respect to crude oil prices, the adopted assumptions may be subject to justifiable changes, and such changes may necessitate a revision of the carrying amounts of the field's assets in the future. Therefore, the Group points to a number of uncertainties as to the recoverable amount of the assets:

- volatility of market prices of crude oil,
- · estimates of investment expenditure related to contracts for which no contractor has yet been selected,
- amount of site restoration commitments,
- volatility of the PLN/USD exchange rate,
- discount rates.

To determine the effect of key factors on the test results, the Group carried out an analysis of sensitivity to a +/-15% change in oil and gas prices, +/-15% change in production volumes, +/-15% change in the USD/PLN exchange rate, and +/-0.5pp change in the discount rate.

Changes in the key assumptions have no effect on the absence of estimated impairment losses on the B-8 field assets.

## Progress of the YME field development project in Norway

Due to significant delays in the implementation of the YME project, cost overruns, and defects of the MOPU (Mobile Offshore Production Unit) to be used in production operations in the field, in previous years the Group recognised impairment losses on the YME assets until they were fully written off in 2014.

On August 22nd 2016, the YME project partners completed the removal of the defective MOPU from the field. The work was financed with funds raised by the consortium members (the Group has a 20% interest in the project) under an agreement with the supplier of the MOPU.

As part of the YME field development project, on October 27th 2017 the licence partners approved the Plan for Development and Operation. On December 19th 2017, Repsol Norge AS, on behalf of the YME field licence partners, submitted the PDO for approval to the Norwegian Ministry of Petroleum and Energy. In November 2017, Repsol Norge AS, acting as the YME licence and development project operator, signed a contract with Maersk Drilling for delivery of the "Mærsk Inspirer" production and drilling rig, which will serve as a production hub on the Yme field. Commercial production of hydrocarbons from the field is to be launched in 2020. The Group's share in the YME field's recoverable reserves is approximately 12.9m bbl of crude oil.

As at December 31st 2018, the Group tested the YME field (being at a development phase) for impairment. The test was performed based on the following assumptions, equivalent to those adopted for development and production assets:

- the cash flow projection period was assumed to equal the assets' planned life,
- the discount rate was assumed to equal the weighted average cost of capital, at 7.02% after taxation with the 78% marginal tax rate (applicable in Norway),
- production and sales volumes, capital expenditure, operating expenses and field decommissioning costs were assumed as projected by the field operator.

The following assumptions were adopted for the estimates made as part of the impairment test as at December 31st 2018:

- for crude oil in USD/bbl (per barrel):
  - 2019–2022 prices in line with the price assumptions of available market scenarios,
  - 2023 and beyond prices remaining stable in the long term on par with the 2022 level, adjusted for inflation.

In connection with risks inherent in the field development phase (such as geological, technical, schedule and operational risks), the Group adopted, in accordance with IAS 36 *Impairment of Assets*, a conservative approach to calculating the recoverable amount of the YME project. The risks identified at this phase of the project were quantified in a simplified way as a 20% discount to base prices of crude oil.



(PLNm)

Remeasurement of the recoverable amount performed as at December 31st 2018 showed no need to recognise an impairment loss on the YME field. As a result of the impairment test, the Group recognised a PLN 349.5m reversal of impairment losses recognised in previous years. The reversal of impairment losses results from the advanced stage of the field development project, in line with the new approved plan for development and operation (PDO), and from favourable macroeconomic conditions.

Due to significant market volatility, in particular with respect to oil and gas prices, the adopted assumptions may be subject to justifiable changes, and such changes may necessitate a revision of the carrying amounts of the YME field's assets in the future. To determine the effect of key factors on the test results, the Group carried out an analysis of sensitivity to a +/-15% change in oil and gas prices, +/-15% change in production volumes, +/-15% change in the USD/NOK exchange rate, and +/- 0.5pp change in the discount rate.

Presented below is the estimated level of impairment loss reversal following changes in the key assumptions:

Factor	Change	Estimated level of impairme	ent loss reversal (PLNm)
Crude oil and gas prices	+/- 15%	675.8	114.5
Production volume	+/- 15%	611.8	178.5
USD/NOK exchange rate	+/- 15%	611.8	178.5
Discount rate	+/- 0.5 pp	363.4	429.1

Impairment testing of the production assets of the offshore gas and condensate production facility in the Heimdal field and of the Sleipner gas field in Norway

As at December 31st 2018 and as at December 31st 2017, the Group tested for impairment the production assets of each centre generating cash flows from the producing Heimdal fields (Atla, Vale, Skirne, Heimdal) and Sleipner field. The tests revealed the need to recognise impairment losses on Vale (PLN 22.6m) and Heimdal (PLN 26.1m) fields.

As part of impairment testing of the Norwegian production assets, their recoverable amount was determined at their value in use estimated using the discounted future cash flows method.

Key assumptions underlying computation of the recoverable amount of the tested assets:

- the cash flow projection period was assumed to equal the asset's planned life,
- the discount rate was assumed to equal the weighted average cost, at 7.02% (2017: 8.17%) after taxation with the 78% marginal tax rate (applicable in Norway),
- production and sales volumes, capital expenditure, operating expenses and field decommissioning costs were assumed as projected by the field operators.

The following price assumptions were adopted for the purposes of the impairment tests as at December 31st 2018:

- for crude oil in USD/bbl (per barrel):
  - 2019–2022 prices in line with the price assumptions of available market scenarios,
  - 2023 and beyond prices remaining stable in the long term on par with the 2022 level, adjusted for inflation;
- for natural gas in USD/boe (per barrel of oil equivalent):
  - 2019–2022 prices in line with the price assumptions of available market scenarios, and in 2023 and beyond prices remaining stable in the long term on par with the 2022 level, adjusted for inflation.

The following assumptions were adopted for the estimates as part of the impairment tests as at December 31st 2017:

- for crude oil in USD/bbl (per barrel):
  - 2018–2022 prices in line with the price assumptions for available market scenarios,
  - 2023 and beyond prices remaining stable in the long term on par with the 2022 level, adjusted for inflation;
- for natural gas in USD/boe (per barrel of oil equivalent):
  - 2018–2022 prices in line with the price assumptions of available market scenarios, and in 2023 and beyond prices remaining stable in the long term on par with the 2019 level, adjusted for inflation.

Due to significant market volatility, in particular with respect to oil and gas prices, the adopted assumptions may be subject to justifiable changes, and such changes may necessitate a revision of the carrying amounts of the LOTOS E&P Norge's assets in the future.

To determine the effect of key factors on the test results, the Group carried out an analysis of sensitivity to a +/-15% change in oil and gas prices, +/-15% change in production volumes, +/-15% change in the USD/NOK exchange rate, and +/-0.5pp change in the discount rate.

Presented below is the estimated level of recognition (-) and reversal (+) of impairment losses on Heimdal and Sleipner assets following changes in the key assumptions:

Factor Change		Estimated level of impairment loss recogni	impairment loss recognition and reversal (PLNm)		
Crude oil and gas prices	+/- 15%	43.1	- 58.3		
Production volume	+/- 15%	43.5	- 57.8		
USD/NOK exchange rate	+/- 15%	43.3	- 58.1		
Discount rate	+/- 0.5 pp	-52.5	48.8		

## Impairment testing of onshore oil and gas extraction facilities in Lithuania

As a result of impairment tests performed for the resources and production infrastructure in Lithuania, as at December 31st 2018 the Group recognised an impairment loss of PLN 18.5m on investment associated with the Véžaičiai licence. The Group also reversed previous years' impairment losses on production assets related to the Girkaliai field (PLN 10.2m) and the Nausodis field (PLN 13.3m) (see Note 9.3). As at December 31st 2017, the Group recognised an impairment loss of PLN 30.1m on investment associated with the Véžaičiai



(PLNm)

licence, and impairment losses of PLN 2.7m and PLN 0.1m, respectively, on production assets associated with the Girkaliai and Ližiai fields (see Note 9.4).

The Group determines the recoverable amount of the tested assets as their value in use measured using the discounted future cash flows method.

Key assumptions underlying computation of the recoverable amount of the tested assets in Lithuania:

- the cash flow projection period was assumed to equal the asset's planned life,
- the discount rate was assumed to equal the weighted average cost, at 7.68% (2017: 9.62%),
- production volumes were assumed to be in line with a competent person report prepared by Miller & Lents based on the most recent
  available geological information,
- capital expenditure was assumed to match the projected production volumes.

The following crude oil price assumptions (USD/bbl) were adopted for the purposes of the estimates made in 2018:

- 2019–2022 prices in line with the price assumptions of available market scenarios,
- 2023 and beyond prices remaining stable in the long term on par with the 2022 level, adjusted for inflation.

Crude oil price assumptions (USD/bbl) adopted for the purposes of the estimates as at December 31st 2017:

- 2018–2022 prices in line with the price assumptions of available market scenarios,
- 2023 and beyond prices remaining stable in the long term on par with the 2022 level, adjusted for inflation.

Due to significant market volatility, in particular with respect to crude oil prices, the adopted assumptions may be subject to justifiable changes, and such changes may necessitate a revision of the carrying amounts of the assets in the future.

To determine the effect of key factors on the test results, the Group carried out an analysis of sensitivity to a +/-15% change in oil prices, +/-15% change in production volumes, +/-15% change in the USD/EUR exchange rate, and +/-0.5% change in the discount rate.

Presented below is the estimated level of recognition (-) and reversal (+) of impairment losses on the Lithuanian assets reffered to above following changes in the key assumptions:

Factor	Change	Estimated level of impairment loss recognition and rever- (PLN			
Crude oil and gas prices	+/- 15%	0.9	-31.8		
Production volume	+/- 15%	0.9	-24.1		
USD/EUR exchange rate	+/- 15%	0.9	-24.1		
Discount rate	+/- 0.5 pp	-0.9	0.3		

## Assets related to future costs of decommissioning of oil and gas extraction facilities

As part of its development and production assets, the Group discloses assets related to future costs of decommissioning of oil and gas extraction facilities depreciated with the units-of-production method. These assets are recognised along with the recognition and remeasurement of provisions for decommissioning of oil and gas extraction facilities.



(PLNm)

	Oil and gas development assets	C	Oil and gas production assets				
	Norway	Poland	Norway	Lithuania	Total		
Gross carrying amount Jan 1 2018	117.5	114.0	681.6	1.6	797.2	914.7	
Estimated costs of decommissioning of oil and gas extraction facilities	-	22.0	1.7	1.3	25.0	25.0	
Exchange differences on translating foreign operations	2.4	-	13.8	0.1	13.9	16.3	
Gross carrying amount Dec 31 2018	119.9	136.0	697.1	3.0	836.1	956.0	
Accumulated depreciation/amortisation Jan 1 2018	-	81.3	446.8	1.5	529.6	529.6	
Depreciation and amortisation	-	1.5	53.1	-	54.6	54.6	
Exchange differences on translating foreign operations	-	-	7.8	-	7.8	7.8	
Accumulated depreciation/amortisation Dec 31 2018	-	82.8	507.7	1.5	592.0	592.0	
Impairment losses Jan 1 2018	117.5	-	28.9	-	28.9	146.4	
Recognised	-	-	36.8 (1)	-	36.8	36.8	
Exchange differences on translating foreign operations	2.4	-	(0.3)	-	(0.3)	2.1	
Impairment losses Dec 31 2018	119.9	-	65.4	-	65.4	185.3	
Net carrying amount Dec 31 2018		53.2	124.0	1.5	178.7	178.7	
Gross carrying amount Jan 1 2017	134.9	107.4	821.1	1.7	930.2	1,065.1	
Estimated costs of decommissioning of oil and gas extraction facilities	-	6.6	(35.7)	-	(29.1)	(29.1	
Exchange differences on translating foreign operations	(17.4)	-	(103.8)	(0.1)	(103.9)	(121.3	
Gross carrying amount Dec 31 2017	117.5	114.0	681.6	1.6	797.2	914.7	
Accumulated depreciation/amortisation Jan 1 2017	-	80.1	405.8	1.6	487.5	487.	
Depreciation and amortisation	-	1.2	100.0	-	101.2	101.2	
Exchange differences on translating foreign operations	-	-	(59.0)	(0.1)	(59.1)	(59.1	
Accumulated depreciation/amortisation Dec 31 2017	-	81.3	446.8	1.5	529.6	529.6	
Impairment losses Jan 1 2017	134.9	-	33.1	-	33.1	168.0	
Recognised	-	-	-	-	-		
Exchange differences on translating foreign operations	(17.4)	-	(4.2)	-	(4.2)	(21.6	
Impairment losses Dec 31 2017	117.5	-	28.9	-	28.9	146.4	
Net carrying amount Dec 31 2017		32.7	205.9	0.1	238.7	238.7	

<sup>(1)</sup> Heimdal assets



(PLNm)

## 13.2.3 Other non-current assets of the upstream segment

	Land	Buildings, structures	Plant and equipment	Vehicles, other	Property, plant and equipment under construction	Intangible assets	Total
Gross carrying amount Jan 1 2018	11.4	53.1	68.7	499.4	13.6	37.8	684.0
Purchase	-	-	0.7	0.1	39.4	0.1	40.3
Transfer from property, plant and equipment under construction	-	0.1	8.9	23.4	(32.5)	-	(0.1)
Exchange differences on translating foreign operations	-	-	1.2	11.1	0.2	1.2	13.7
Reclassification to oil and gas exploration and evaluation assets	-	-	-	-	-	(25.0)	(25.0)
Sale	-	-	(6.5)	(0.5)	-	(0.1)	(7.1)
Other	-	-	-	-	(0.2)	-	(0.2)
Gross carrying amount Dec 31 2018	11.4	53.2	73.0	533.5	20.5	14.0	705.6
Accumulated depreciation/amortisation Jan 1 2018	4.5	21.8	40.6	242.8	-	23.1	332.8
Depreciation and amortisation	0.2	1.8	3.2	34.5	-	0.2	39.9
Exchange differences on translating foreign operations	-	-	0.6	8.9	-	0.5	10.0
Reclassification to oil and gas exploration and evaluation assets	-	-	-	-	-	(11.3)	(11.3)
Sale	-	-	(5.1)	(0.5)	-	(0.1)	(5.7)
Accumulated depreciation/amortisation Dec 31 2018	4.7	23.6	39.3	285.7	-	12.4	365.7
Impairment losses Jan 1 2018	-	-	0.6	1.9	-	-	2.5
Exchange differences on translating foreign operations	-	-	-	0.1	-	-	0.1
Impairment losses Dec 31 2018	-	-	0.6	2.0	-	-	2.6
Net carrying amount Dec 31 2018	6.7	29.6	33.1	245.8	20.5	1.6	337.3



(PLNm)

	Land	Buildings, structures	Plant and equipment	Vehicles, other	Property, plant and equipment under construction	Intangible assets	Total
Gross carrying amount Jan 1 2017	11.4	53.1	69.1	560.4	15.3	31.1	740.4
Purchase	-	-	0.5	0.1	12.5	9.9	23.0
Transfer from property, plant and equipment under construction	-	-	0.3	13.6	(13.9)	-	-
Exchange differences on translating foreign operations	-	-	(2.0)	(30.5)	(0.2)	(3.2)	(35.9)
Reclassification to production assets	-	-	-	(0.1)	-	-	(0.1)
Sale	-	-	(0.1)	(44.1)	(0.1)	-	(44.3)
Other	-	-	0.9	-	-	-	0.9
Gross carrying amount Dec 31 2017	11.4	53.1	68.7	499.4	13.6	37.8	684.0
Accumulated depreciation/amortisation Jan 1 2017	4.2	20.0	39.1	272.8	-	21.6	357.7
Depreciation and amortisation	0.3	1.8	3.1	35.4	-	3.2	43.8
Exchange differences on translating foreign operations	-	-	(1.5)	(25.9)	-	(1.7)	(29.1)
Reclassification to production assets	-	-	-	(0.1)	-	-	(0.1)
Sale	-	-	(0.1)	(39.7)	-	-	(39.8)
Other	-	-	-	0.3	-	-	0.3
Accumulated depreciation/amortisation Dec 31 2017	4.5	21.8	40.6	242.8	-	23.1	332.8
Impairment losses Jan 1 2017	-	-	0.6	5.1	0.1	-	5.8
Recognised	-	-	-	0.8	-	-	0.8
Exchange differences on translating foreign operations	-	-	-	(0.5)	-	-	(0.5)
Used/Reversed	-	-	-	(3.5)	(0.1)	-	(3.6)
Impairment losses Dec 31 2017	-	•	0.6	1.9	-	-	2.5
Net carrying amount Dec 31 2017	6.9	31.3	27.5	254.7	13.6	14.7	348.7

Other property, plant and equipment and intangible assets of the upstream segment include ships and a multi-purpose mobile drilling rig.



(PLNm)

#### 13.3 Other information on property, plant and equipment and intangible assets

	Property, plant and equipment	used under finance lease
	December 31st 2018	December 31st 2017
Gross carrying amount	389.0	323.1
Accumulated depreciation	173.0	141.5
Net carrying amount	216.0	181.6

The Group uses finance leases to finance primarily rolling stock assets (downstream segment); see also Note 22.4.

Allocation of depreciation	2018	2017
Cost of sales	611.2	716.6
Distribution costs	73.2	77.8
Administrative expenses	28.5	37.1
Change in products and adjustments to cost of sales	9.8	12.8
Total	722.7	844.3

In 2018, the Group capitalised finance costs of PLN 84.6m as property, plant and equipment under construction and intangible assets under development (2017: PLN 49.8m); see Notes 13.1.1 and 13.1.3. As at December 31st 2018, finance costs capitalised as property, plant and equipment under construction, intangible assets under development, and property, plant and equipment related to oil and gas production totalled PLN 140.8m (December 31st 2017: PLN 57.5m).

As at December 31st 2018, property, plant and equipment as well as intangible assets serving as collateral for the Group's liabilities totalled PLN 8,611.0m (December 31st 2017: PLN 8.569.6m ).

As at December 31st 2018, the Group's future contractual commitments related to purchases of property, plant and equipment and intangible assets, undisclosed in the statement of financial position, totalled PLN 383.4m (December 31st 2017: PLN 395.0m). As at December 31st 2018, the contracted expenditure was related, among others, to the EFRA Project, the B-8 field development, the hydrogen recovery unit (HRU), upgrade of the unit for solvent-based removal of paraffins, as well as modernisation of locomotives.

#### 14. Equity-accounted joint ventures

The Group holds interests in equity-accounted joint ventures, which include:

- Joint venture agreement between Grupa LOTOS S.A. and BP Europe SE on joint operations related to supply of aviation fuel through LOTOS Air BP Polska Sp. z o.o.
- Agreement on cooperation between LOTOS Petrobaltic S.A. and CalEnergy Resources Poland Sp. z o.o. with respect to
  development and production of gas and condensate reserves from the B-4 and B-6 fields in the Baltic Sea, performed through
  special purpose vehicles Baltic Gas spółka z ograniczoną odpowiedzialnością i wspólnicy sp.k. and Baltic Gas Sp. z o.o.
  (general partner).
- Joint venture set up for the purpose of oil exploration and production operations in Lithuania, operated in the form of UAB Minijos Nafta.

	Registered office	Registered office Business profile		ership interest	, ,	j amount Nm)
	Registered office	Business prome	December 31st 2018	December 31st 2017	December 31st 2018	December 31st 2017
Downstream segme	nt					
LOTOS-Air BP Polska Sp. z o.o.	Gdańsk	Sale of aviation fuel and logistics services	50.00%	50.00%	25.0	23.2
Upstream segment						
Baltic Gas Sp. z o.o.	Gdańsk	Oil and gas production (support activities for oil and gas production)	49.99%	49.99%	-	-
Baltic Gas spółka z ograniczoną odpowiedzialnością i wspólnicy sp.k. <sup>(1)</sup>	Gdańsk	Crude oil and gas production	45.04%	44.78%	92.2	83.3
UAB Minijos Nafta	Lithuania, Gargždai	Crude oil exploration and production	49.99%	49.99%	-	-
Total					117.2	106.5

<sup>(</sup>f) The ownership interests as at December 31st 2018 were determined based on the value of contributions made by individual partners relative to the sum of all contributions:

- Baltic Gas Sp. z o.o. (general partner) 0.001% (December 31st 2017: 0.001%),
- LOTOS Upstream Sp. z o.o. (limited partner) 44.049% (December 31st 2017: LOTOS Petrobaltic S.A.: 44.786%),
- CalEnergy Resources Poland Sp. z o.o. ("CalEnergy") (limited partner) 54.951% (December 31st 2017: 55.214%)

The Group's indirect ownership interest in Baltic Gas spółka z ograniczoną odpowiedzialnością i wspólnicy sp. k. (jointly-controlled entity) is 45.04% (December 31st 2017; 44.78%).

In 2018, CalEnergy Resources Poland Sp. z o.o. and LOTOS Upstream Sp. z o.o made the agreed cash contributions to Baltic Gas spółka z ograniczoną odpowiedzialnością i wspólnicy sp. k. of PLN 8.1m and PLN 7.6m, respectively, which changed the Group's ownership interest in the company. The expenditure on cash contributions made by LOTOS Upstream Sp. z o.o was disclosed by the Group in the consolidated statement of cash flows <u>under</u> Cash contributions – equity-accounted joint ventures.

As at December 31st 2018, LOTOS Upstream Sp. z o.o.'s outstanding liabilities under the contributions made to Baltic Gas spółka z ograniczoną odpowiedzialnością i wspólnicy sp. k. amounted to PLN 1.7m.



(PLNm)

	Group's share in the companies' n	et profit or loss	
	2018		
Downstream segment			
LOTOS-Air BP Polska Sp. z o.o.	3.6	3.7	
Upstream segment			
Baltic Gas spółka z ograniczoną odpowiedzialnością i wspólnicy sp.k. (1)	(0.3)	(0.5)	
Total	3.3	3.2	

<sup>(1)</sup> In the partnership agreement, the shares of each of the partners in the profit or loss of Baltic Gas Sp. z o.o. i wspólnicy sp.k. were defined as follows:

- Baltic Gas Sp. z o.o. holds a 0.001% share in profit and a 100% share in loss,

CalEnergy holds a 48.9995% share in profit.
 Calenergy holds a 48.9995% share in profit.
 Accordingly, for IFRS purposes, Baltic Gas Sp. z o.o. i wspólnicy sp.k is an entity jointly controlled by the Group (equity-accounted joint venture under IFRS 11).

## 14.1 Condensed financial information on equity-accounted joint ventures

Statement of comprehensive income	LOTOS-Air BP Polska Sp. z o.o.	Baltic Gas Sp. z o.o. i wspólnicy sp.k.	UAB Minijos Nafta
		2018	
Revenue	680.9	-	30.4
Cost of sales	(627.5)	(0.2)	(23.7)
Gross profit/(loss)	53.4	(0.2)	6.7
Distribution costs	(38.0)	-	(0.2)
Administrative expenses	(4.8)	(0.2)	(6.7)
Net other income/(expenses)	0.1	-	-
Operating profit/(loss)	10.7	(0.4)	(0.2)
Net finance income/(costs)	(1.7)	-	0.4
Pre-tax profit/(loss)	9.0	(0.4)	0.2
Income tax	(1.7)	-	-
Net profit/(loss)	7.3	(0.4)	0.2
Total comprehensive income/(loss)	7.3	(0.4)	0.2
Depreciation and amortisation	(1.2)	(0.2)	(4.2)

Statement of comprehensive income	LOTOS-Air BP Polska Sp. z o.o.	Baltic Gas Sp. z o.o. i wspólnicy sp.k.	UAB Minijos Nafta
		2017	
Revenue	470.6	-	29.1
Cost of sales	(427.5)	(0.6)	(23.3)
Gross profit/(loss)	43.1	(0.6)	5.8
Distribution costs	(32.1)	-	(0.7)
Administrative expenses	(4.1)	(0.4)	(4.0)
Net other income/(expenses)	-	-	-
Operating profit/(loss)	6.9	(1.0)	1.1
Net finance income/(costs)	2.3	-	(0.8)
Pre-tax profit/(loss)	9.2	(1.0)	0.3
Income tax	(1.8)	-	-
Net profit/(loss)	7.4	(1.0)	0.3
Total comprehensive income/(loss)	7.4	(1.0)	0.3
Depreciation and amortisation	(1.2)	(0.6)	(5.0)



(PLNm)

Statement of financial position	_	LOTOS-Air BP Polska Sp. z o.o.	Baltic Gas Sp. z o.o. i wspólnicy sp.k.	UAB Minijos Nafta
	Note		December 31st 2018	
Non-current assets		10.5	195.7	12.1
Current assets, including:		63.5	9.8	19.9
Cash and cash equivalents		6.9	8.3	10.0
Total assets		74.0	205.5	32.0
Non-current liabilities		3.2	-	14.6
Current liabilities		33.9	3.8	6.7
Total liabilities		37.1	3.8	21.3
Net assets		36.9	201.7	10.7
		50.00%	*	49.99%
Share of net assets		18.5	92.2	5.3
Fair value measurement		6.7	(1)	(5.3)
Elimination of intercompany transactions		(0.2)	-	-
Interest in joint ventures	14	25.0	92.2	-

Statement of financial position		LOTOS-Air BP Polska Sp. z o.o.	Baltic Gas Sp. z o.o. i wspólnicy sp.k.	UAB Minijos Nafta
	Note		December 31st 2017	
Non-current assets		11.5	186.6	16.7
Current assets, including:		67.8	4.6	19.6
Cash and cash equivalents		19.4	3.2	10.6
Total assets		79.3	191.2	36.3
Non-current liabilities		4.5	-	14.3
Current liabilities		41.4	4.7	4.9
Total liabilities		45.9	4.7	19.2
Net assets		33.4	186.5	17.1
		50.00%	*	49.99%
Share of net assets		16.7	83.3	8.5
Fair value measurement		6.7	(1)	(8.5)
Elimination of intercompany transactions		(0.2)	-	-
Interest in joint ventures	14	23.2	83.3	-

<sup>\*</sup> For IFRS purposes, Baltic Gas Sp. z o.o. i wspólnicy sp.k is an entity jointly controlled by the Group (equity-accounted joint venture under IFRS 11; see Note 14 above).

For information on transactions with joint ventures in which the Group holds interests, see Note 30.1.

<sup>(1)</sup> PLN 6.7m in gain on fair value measurement of a retained interest in a previously controlled entity as at the date of loss of control.



(PLNm)

#### 15. Trade receivables and other assets

	Note	December 31st 2018	December 31st 2017
Non-current financial assets:		515.3	293.2
Security deposits receivable		16.6	18.0
Finance lease receivables	15.2	9.1	12.8
Oil and Gas Extraction Facility Decommissioning Fund (1)		38.7	34.1
Cash pledged as security for contractual obligations related to future asset decommissioning		430.6	207.9
Security deposits related to licensed activities and other		10.5	10.6
Shares		9.8	9.8
Current financial assets:		2,075.8	2,843.4
Trade receivables		1,880.4	2,677.0
- including from related entities	30.1	23.1	34.5
Security deposits receivable		12.5	26.3
Deposits		33.9	37.0
Cash for removal of the MOPU from the YME field (2)		2.8	55.1
Security deposits related to the use of gas fuel distribution and transmission system and other		14.4	16.0
Damages receivable		116.0	3.2
Receivables under payment cards (service stations)		5.8	14.6
Finance lease receivables	15.2	6.6	7.1
Other receivables		3.4	7.1
Financial assets		2,591.1	3,136.6
		·	·
Non-current non-financial assets		10.5	10.6
Property and other insurance		3.0	-
Borrowing costs		5.2	6.1
Prepayments for rebates		0.5	2.8
Other		1.8	1.7
Current non-financial assets:		262.2	222.3
Value-added tax receivable		110.3	78.4
Property and other insurance		21.5	20.9
Settlements under joint operations (Norwegian fields) (3)		66.0	58.9
Excise duty on inter-warehouse transfers		49.3	46.6
Prepaid deliveries		4.1	4.6
Prepayments for rebates		1.5	2.9
Prepayments for IT services		5.0	5.3
Other		4.5	4.7
Non-financial assets		272.7	232.9
Total		2,863.8	3,369.5
including:			
long-term		525.8	303.8
current:		2,338.0	3,065.7
- trade receivables		1,880.4	2,677.0
- other		457.6	388.7

<sup>(1)</sup> Cash deposited in the bank account of the Oil and Gas Facility Decommissioning Fund (created pursuant to the Geological and Mining Law of February 4th 1994 and the Minister of Economy's Regulation of June 24th 2002) to cover future costs of decommissioning of oil extraction facilities; see Note 25.1. (2) Cash held in an escrow account associated with the agreement concluded between the parties involved in the YME project in Norway (for more details on

As at December 31st 2018 and December 31st 2017, Deposits comprised deposits securing payment of interest on credit facilities contracted to finance the 10+ Programme and to finance or refinance inventories, amounting to PLN 33.9m and PLN 29.0, respectively.

The collection period for trade receivables in the ordinary course of business is 7–35 days.

As at December 31st 2018, the Group's receivables of PLN 30.3m were assigned by way of security for the Group's liabilities (December 31st 2017: PLN 44.7m).

For description of financial instruments, see Note 7.20. For description of objectives and policies of financial risk management, see Note 27.

For currency risk sensitivity analysis of financial assets, see Note 27.3.1.

For interest rate risk sensitivity analysis of financial assets, see Note 27.4.1.

For maximum credit risk exposure of financial assets, see Note 27.6.

the agreement, see Note 29.1).

(3) Receivables of LOTOS Exploration and Production Norge AS (LOTOS Upstream Group, the upstream segment) under mutual settlements between the operator and consortium members concerning specific Norwegian fields.



(PLNm)

#### 15.1 Change in impairment losses on receivables

	2018	2017
At beginning of period	104.2	165.3
Recognised	13.6	7.5
Used	(4.4)	(64.7)
Reversed	(3.5)	(3.9)
At end of period	109.9	104.2

Recognition included PLN 11.7m in respect of the principal amount (2017: PLN 6.9m) and PLN 1.9m in respect of interest (2017: PLN 0.6m).

Reversal included PLN 1.9m in respect of the principal amount (2017: PLN 3.5m) and PLN 1.6m in respect of interest (2017: PLN 0.4m).

In 2018, the Group recognised and reversed impairment losses on the principal portion of receivables under other expenses, in the amount of PLN 6.4m, including: PLN 8.3m under recognised impairment losses and PLN 1.9m under reversed impairment losses (see Note 9.4).

In 2017, the Group recognised and reversed impairment losses on the principal portion of receivables under other expenses, in the amount of PLN 2.0m, including: PLN 5.5m under recognised impairment losses and PLN 3.5m under reversed impairment losses (see Note 9.4).

Ageing of unimpaired past due receivables:	December 31st 2018	December 31st 2017
Up to 1 month	45.0	34.1
From 1 to 3 months	4.1	1.9
From 3 to 6 months	10.9	0.7
From 6 months to 1 year	10.5	0.2
Over 1 year	2.6	2.8
Total	73.1	39.7

No impairment losses were recognised on past due receivables, because they are secured against credit risk with a mortgage, pledge, insurance policy, bank guarantee or surety.

As at December 31st 2018, the share of trade receivables from the Group's five largest customers as at the end of the reporting period was 19% (December 31st 2017: 48%) of total trade receivables (individually: 0%–7%). In the Group's opinion, with the exception of receivables from the above-mentioned customers, there is no material concentration of credit risk. The Group's maximum exposure to credit risk as at the end of the reporting period is best represented by the carrying amounts of those instruments.

#### 15.2 Finance lease receivables

The Group has developed and operates the "LOTOS Family" Franchise Programme, which defines the procedures for managing service stations. The Group has entered into franchise agreements with entities operating service stations at their own risk and for their own account (Partners). Receivables under franchise agreements represent mainly expenditure on the design of DOFO service stations operated by dealers under agreements executed for periods from 5 to 10 years.

	Minimum leas	Minimum lease payments		Present value of minimum lease payments	
	December 31st 2018	December 31st 2017	December 31st 2018	December 31st 2017	
Up to 1 year	6.7	7.2	6.6	7.1	
From 1 to 5 years	9.1	12.9	9.1	12.8	
Total	15.8	20.1	15.7	19.9	
Less unrealised finance income	(0.1)	(0.2)	-	-	
Present value of minimum lease payments	15.7	19.9	15.7	19.9	
including:					
non-current			9.1	12.8	
current			6.6	7.1	

## 16. Inventories

	December 31st 2018	December 31st 2017
Finished goods	1,382.4	903.3
Semi-finished products and work in progress	550.1	488.7
Merchandise	165.8	133.6
Materials	2,750.6	2,034.0
Total	4,848.9	3,559.6
including inventories measured at:		
cost	4,837.2	3,553.0
net realisable value	11.7	6.6

Inventories are measured at the lower of cost or cost less write-downs to net realisable value less cost to sell.

As at December 31st 2018, inventories securing liabilities under bank borrowings were valued at PLN 4,108.7m (December 31st 2017: PLN 3,165.9m).



(PLNm)

#### 16.1 Change in inventory write-downs

	2018	2017
At beginning of period	4.0	2.1
Recognised	8.0	11.4
Used	(0.2)	(0.1)
Reversed	(3.1)	(9.4)
At end of period	8.7	4.0

The effect of revaluation of inventories is taken to cost of sales.

## 17. Cash and cash equivalents

	Note	December 31st 2018	December 31st 2017
Cash and cash equivalents in the statement of financial position	26.1	1,941.3	1,920.7
Overdraft facilities		(3.0)	(0.1)
Total cash and cash equivalents in the statement of cash flows		1,938.3	1,920.6

Cash at banks bears interest at variable rates linked to short-term interest rates prevailing on the interbank market. Short-term deposits are placed for a range of maturities, from one day to one month, depending on the Group's current cash needs, and bear interest at interest rates set for them.

As at December 31st 2018, the amount of undrawn funds available to the Group under working capital facilities in respect of which all conditions precedent had been fulfilled was PLN 936.4m (December 31st 2017: PLN 891.3m).

In July 2018, the Group began using the VAT split payment mechanism. As at December 31st 2018, the cash balance in VAT accounts was PLN 83.3m.

As at December 31st 2018, cash in bank accounts serving as security for the Group's liabilities was PLN 412.2m (December 31st 2017: PLN 302.2m).

## 18. Share capital

	December 31st 2018	December 31st 2017
Series A shares	78.7	78.7
Series B shares	35.0	35.0
Series C shares	16.2	16.2
Series D shares	55.0	55.0
Total	184.9	184.9

As at December 31st 2018 and December 31st 2017, the share capital comprised 184,873,362 ordinary shares, fully paid-up, with a par value of PLN 1 per share. Each share confers the right to one vote at the General Meeting and carries the right to dividend.

#### 19. Share premium

Share premium represents the excess of the issue price over the par value of Series B, C and D shares, net of costs directly attributable to the share issue.

	Series B	Series C	Series D	Total
Share premium	980.0	340.8	940.5	2,261.3
Costs directly attributable to the share issue	(9.0)	(0.4)	(23.6)	(33.0)
Total	971.0	340.4	916.9	2,228.3

## 20. Cash flow hedging reserve

Cash flow hedging reserve comprises changes in the valuation of foreign-currency bank borrowings used as cash flow hedges for USD-denominated sales, less the effect of deferred income tax.

Changes in the fair value of derivative financial instruments designated as cash flow hedges are charged to the cash flow hedging reserve to the extent they represent an effective hedge, while the ineffective portion is charged to finance income or costs in the reporting period.

	Note	2018	2017
At beginning of period		(225.2)	(812.8)
Valuation of cash flow hedging instruments	26.2	(77.8)	725.4
- effective portion		(78.7)	724.7
- ineffective portion		0.9	0.7
Income tax on valuation of cash flow hedging instruments	10.1	14.8	(137.8)
At end of period		(288.2)	(225.2)



(PLNm)

#### 21. Retained earnings

Retained earnings comprise capital reserves created and used in accordance with the rules stipulated by the applicable laws and deeds of incorporation, as well as current period's profit.

Furthermore, retained earnings include actuarial gains/losses relating to defined post-employment benefits, recognised inclusive of the tax effect, which are posted <u>under Other comprehensive income/(loss)</u>, net in the statement of comprehensive income.

As at December 31st 2018 and December 31st 2017, Grupa LOTOS S.A. was restricted in its ability to distribute dividends, as described in detail in Note 12.

#### 21.1 Restricted ability of subsidiaries to transfer funds to the Parent in the form of dividends

In 2018 and 2017, the ability of the LOTOS Group subsidiaries to transfer funds to Grupa LOTOS S.A. in the form of dividends was restricted due to the following arrangements:

- The amount of cash surplus generated by LOTOS Paliwa Sp. z o.o. in a financial year that is available for distribution depends on the achievement of certain ratios defined in credit facility agreements.
- At LOTOS Asfalt Sp. z o.o., dividend payment is restricted under the credit facility agreement for the financing of the EFRA Project, whereby distribution of dividends is not permitted before the first instalment of the credit facility is paid and the EFRA Project is completed (the first instalment was paid on December 21st 2018). Payment of dividends from operating cash flows is conditional upon fulfilment of the requirements defined in the agreement, including generation of a sufficient cash surplus and achievement of financial ratios at prescribed levels.

These restrictions were applicable as at December 31st 2018 and December 31st 2017.

## 22. Bank borrowings, non-bank borrowings, notes and finance lease liabilities

	Note	December 31st 2018	December 31st 2017
Bank borrowings	22.1	3,421.2	3,903.0
Non-bank borrowings	22.2	55.8	68.3
Notes	22.3	227.0	313.0
Finance lease liabilities	22.4	180.0	141.6
Total		3,884.0	4,425.9
including:			
non-current		2,345.3	2,738.3
current		1,538.7	1,687.6

	December 31st 2018	December 31st 2017
At beginning of period	4,425.9	5,557.2
Proceeds from borrowings	366.6	925.8
Issue of notes	128.2	296.1
Repayment of borrowings	(1,122.3)	(1,236.2)
Redemption of notes	(214.8)	(160.2)
Decrease in finance lease liabilities	(33.0)	(36.8)
Interest, fees and commissions paid	(224.3)	(203.3)
Interest, fees and commissions accrued	206.9	204.7
Prepayments and accruals	17.5	13.6
Exchange differences	313.4	(906.7)
Change in overdraft facilities	2.9	(13.8)
Change in deposits securing payment of interest and principal	(58.7)	(15.8)
Other	75.7	1.3
At end of period	3,884.0	4,425.9



(PLNm)

#### 22.1 Bank borrowings

	December 31st 2018	December 31st 2017
Investment facilities	3,078.4	3,426.9
Working-capital facilities	8.8	139.4
Inventory financing and refinancing facility	752.8	696.8
Funds in bank deposits securing payment of interest and principal <sup>(1)</sup>	(418.8)	(360.1)
Total	3,421.2	3,903.0
including:		
non-current	2,158.1	2,633.6
current	1,263.1	1,269.4

<sup>\*</sup> In accordance with IAS 32, Grupa LOTOS S.A. offsets the financial asset (cash reserved for repayment of the facilities) against financial liabilities under the facilities as it has a legally enforceable title to set off the amounts and intends to realise the asset and settle the liability simultaneously. Accumulation of funds for the repayment of credit facilities is expressly provided for in the documentation relating to the investment facilities obtained to finance the 10+ Programme, as well as the inventory financing and refinancing facility. The Company is required to set aside and maintain funds for repayment of principal and interest due over the next six months. The purpose of adopting the net-basis presentation approach in the statement of financial position is to reflect the expected future cash flows from the settlement of two or more financial instruments.

Repayment of the above facilities is secured with:

- power of attorney over bank accounts, blank promissory notes and bank guarantees,
- · registered pledges over bank accounts, inventories, existing and future movables, and shares in subsidiaries,
- mortgage,
- transfer of title to property, plant and equipment,
- · assignment by way of security of rights under insurance agreements, including insurance of inventories,
- assignment by way of security of rights under inventory storage agreements and the right to compensation from the State Treasury
  payable in the event that the Group is required to sell emergency stocks below market price,
- · assignment by way of security of rights under licence agreements, design agreements and agreements for sale of products,
- · assignment by way of security of rights under oil supply agreements,
- · assignment by way of security of rights under a conditional loan agreement,
- representation on voluntary submission to enforcement.

#### Bank borrowings by currency

	Currency of credit facility	Currency of credit facility advanced to the Group	
	USD	PLN	Total
December 31st 2018	3,200.2	221.0	3,421.2
December 31st 2017	3,627.9	275.1	3,903.0

Bank borrowings bear interest based on:

- 1M, 3M or 6M LIBOR (USD), depending on the interest period selected at a given time in the case of USD-denominated facilities,
- O/N, 1M or 3M WIBOR in the case of PLN-denominated facilities.

The bank margins on the contracted facilities are within the range of 0.85pp.-3.1pp.

As at December 31st 2018, the average effective interest rate for the credit facilities denominated in US dollars was approximately 4.46% (December 31st 2017: 3.50%). The average effective interest rate for PLN-denominated facilities (excluding the syndicated facilities contracted by the Parent) was approximately 3.54% (December 31st 2017: 3.60%).

For sensitivity analysis of borrowings with respect to currency and interest rate risks, see Notes 27.3.1 and 27.4.1 respectively. For analysis of contractual maturities of the borrowings, see Note 27.5.

In connection with its investment credit facilities and the credit facility incurred to finance and refinance inventories, the Parent is required to maintain its Tangible Consolidated Net Worth (TCNW) at the level specified in the facility agreements. Under the facility agreement for refinancing and financing of inventories, the Parent is also required to comply with the covenant requiring it to maintain the Loan to Pledged Inventory Value Ratio at or below the level specified in the facility agreement. As at December 31st 2018 and December 31st 2017, the Parent complied with this requirement.

## Proceeds from and repayment of bank borrowings

In 2018, proceeds from the Group's bank borrowings were PLN 366.6m (2017: PLN 925.8m), while cash outflows on repayment of borrowings were PLN 1,109.5m (2017: PLN 1,223.4m). These amounts are presented in the consolidated statement of cash flows as cash flows from financing activities <u>under</u> Proceeds from bank borrowings and Repayment of bank borrowings, respectively.

In 2018, proceeds from bank borrowings related to:

- investment facilities for the financing of the EFRA Project (PLN 233.4m),
- working capital facilities of AB LOTOS Geonafta (PLN 133.2m).

In 2018, repayments of bank borrowings related mainly to:

- the Parent's investment facilities for the financing of the 10+ Project (PLN 632.5m),
- investment facilities for the financing of the EFRA Project (PLN 78m),
- LOTOS Paliwa Sp. z o.o.'s investment credit facilities for the financing and refinancing of the purchase of service stations (PLN 36.8m),
- credit facilities of LOTOS Exploration and Production Norge AS (PLN 181.3m),
- credit facilities of AB LOTOS Geonafta (PLN 163.7m),
- SPV Baltic Sp. z o.o.'s investment facility for the purchase of the company's multi-purpose platform (PLN 12.1m).

In 2018 and 2017, there were no defaults under the facilities.



(PLNm)

As at December 31st 2017, a covenant was not complied with and the non-current portion of liabilities under the credit facility agreement concluded by SPV Baltic Sp. z o.o. with PKO BP, amounting to PLN 51.1m, was presented under current liabilities. As at the date of preparation of the financial statements for 2017, SPV Baltic Sp. z o.o had a letter from PKO BP stating that the bank waived its right to treat the non-compliance with the covenant as an event of default. As at December 31st 2018, the company complied with all covenants under the agreement.

In addition, because as at December 31st 2017 one of the covenants under credit facility agreements of AB LOTOS Geonafta was not complied with, the long-term portion of liabilities under those credit facilities of PLN 8.5m was presented under current liabilities. As at December 31st 2017, the bank did not accelerate the facilities. As at the date of preparation of the financial statements for 2017, AB LOTOS Geonafta had a letter from the bank stating that the bank waived its right to treat the non-compliance with the covenant as an event of default.

For more information on the Group's bank borrowings, see the Directors' Report on the operations of Grupa LOTOS S.A. and the LOTOS Group in 2018.

#### 22.2 Non-bank borrowings

	December 31st 2018	December 31st 2017
Provincial Fund for Environmental Protection and Water Management in Gdańsk (WFOŚiGW)	4.6	5.2
Agencja Rozwoju Przemysłu S.A.	51.2	63.1
Total	55.8	68.3
including:		
non-current	42.2	4.4
current	13.6	63.9

The loan advanced by Agencja Rozwoju Przemysłu S.A. was intended for the financing of a purchase of a drilling rig; the other loans were taken out to partly finance upgrade of locomotives and a rail tank car cleaning facility, as well as upgrade of the dust removal unit at a CHP plant.

Repayment of the loans is secured with:

- · registered pledge over assets,
- registered and financial pledges over shares,
- assignment by way of security of rights under insurance policies and sale agreements,
- assignment by way of security of claims related to bank accounts,
- blank promissory notes and representation on voluntary submission to enforcement,
- sureties issued by Group companies.

The loans are denominated in the Polish złoty. The loans bear interest based on 1M WIBOR or the rediscount rate.

As at December 31st 2018, the average effective interest rate for the loans was approximately 4.60% (December 31st 2017: 4.61%).

For interest rate risk sensitivity analysis of the loans, see Note 27.4.1.

For analysis of contractual maturities of the loans, see Note 27.5.

## Proceeds from and repayment of non-bank borrowings

In 2018 and 2017, the Group did not contract any non-bank borrowings, whereas repayments of non-bank borrowings were PLN 12.8m (2017: PLN 12.8m). These amounts are presented in the consolidated statement of cash flows as cash flows from financing activities under Proceeds from non-bank borrowings and Repayment of non-bank borrowings, respectively.

As at December 31st 2017, one of the covenants under the loan agreement concluded by SPV Baltic Sp. z o.o. with Agencja Rozwoju Przemysłu was not complied with and the non-current portion of liabilities under the loan, amounting to PLN 51.1m, was presented under current liabilities. As at the date of preparation of the financial statements for 2017, SPV Baltic Sp. z o.o had a letter from Agencja Rozwoju Przemysłu stating that it waived its right to treat the non-compliance with the covenant as an event of default. As at December 31st 2018, the company complied with all covenants under the agreement.



(PLNm)

#### 22.3 Notes

In 2016, the SPV B8 Spółka z ograniczoną odpowiedzialnością Baltic S.K.A. (upstream segment) concluded agreements with Bank Gospodarstwa Krajowego S.A. (BGK) and Polski Fundusz Rozwoju S.A. (the Polish Development Fund, PFR) (Fundusz Inwestycji Infrastrukturalnych – Dłużny Fundusz Inwestycyjny Zamknięty Aktywów Niepublicznych) for the financing of the development of the B8 oil field in the Baltic Sea, including senior notes and subordinated notes programme agreements.

Security under the above agreements includes:

- pledges over shares,
- pledge over bank accounts,
- pledge over receivables,
- pledge over assets.

As at December 31st 2017, due to an event of default under the terms and conditions of the notes, there were grounds for their early redemption at the option of PFR and BGK. The financing entities did not exercise this right. On July 25th 2018, B8 spółka z ograniczoną odpowiedzialnością Baltic S.K.A. and BGK concluded an annex to the senior note programme agreement and annexes to the terms and conditions of the notes issued by the company and acquired by BGK. On July 27th 2018, B8 Spółka z ograniczoną odpowiedzialnością Baltic S.K.A. issued notes with a total nominal value of USD 30m. The issue proceeds were used to redeem all notes acquired by Polski Fundusz Rozwoju S.A. As at December 31st 2018, the company had the right to issue additional notes for USD 27.9 under the agreement. All the issued notes are due at dates falling in the period from September 30th 2020 to June 30th 2022. In relation to the outstanding notes of B8 Spółka z ograniczoną odpowiedzialnością Baltic S.K.A., because as at December 31st 2018 there was a default on one of the financial covenants changed by the annex, the non-current portion of liabilities under the agreement, amounting to PLN 227m, was presented under current liabilities. As at December 31st 2018, BGK did not accelerate the liabilities.

As at December 31st 2018, the liability under the outstanding notes issued by B8 Spółka z ograniczoną odpowiedzialnością Baltic S.K.A., net of issue costs, was PLN 227m (December 31st 2017: PLN 201.3m).

In 2013, LOTOS Petrobaltic S.A. (upstream segment) issued medium-term notes under an agreement with Bank Pekao S.A. of October 29th 2013. In 2018, LOTOS Petrobaltic S. A. redeemed all outstanding notes. As at December 31st 2017, the liability under LOTOS Petrobaltic S.A.'s outstanding notes, net of issue costs, was PLN 111.7m.

The security created in respect of the note issue programme comprised:

- assignment by way of security,
- · power of attorney over bank accounts,
- blank promissory note,
- · representation on voluntary submission to enforcement,
- mortgage
- · assignment by way of security of claims under property insurance agreements and agreement for drilling rig services.

### Proceeds from and payments under notes

In 2018, proceeds from notes issued by the Group were PLN 128.2m (2017: PLN 296.1m) and were related to the special purpose vehicle B8 Spółka z ograniczoną odpowiedzialnością Baltic S.K.A. In the same period, outflows on note redemption amounted to PLN 214.8m (2017: PLN 160.2m) and were related to the following companies: LOTOS Petrobaltic S.A. (PLN 113.8m) and B8 Spółka z ograniczoną odpowiedzialnością BALTIC S.K.A. (PLN 101.0m). These amounts are presented in the statement of cash flows as cash flows from financing activities under: Issue of notes and Redemption of notes, respectively.

For sensitivity analysis of the notes with respect to currency and interest rate risks, see Notes 27.3.1 and 27.4.1, and for analysis of their contractual maturities see Note 27.5.

## 22.4 Finance lease liabilities

	Minimum lease	Minimum lease payments		ninimum lease nts
	December 31st 2018	December 31st 2017	December 31st 2018	December 31st 2017
Up to 1 year	56.6	57.4	35.0	41.3
From 1 to 5 years	161.3	121.6	106.3	100.3
Over 5 years	43.1	-	38.7	-
Total	261.0	179.0	180.0	141.6
Less finance costs	(81.1)	(37.4)	-	-
Present value of minimum lease payments	179.9	141.6	180.0	141.6
including:				
non-current			145.0	100.3
current			35.0	41.3

The Group uses finance leases primarily to finance rolling stock assets.

For sensitivity analysis of finance lease liabilities with respect to currency and interest rate risks, see Notes 27.3.1 and 27.4.1, and for analysis of their maturities, see Note 27.5.



(PLNm)

#### 22.4.1 Undisclosed liabilities under operating lease agreements

As at December 31st 2018 and December 31st 2017, future minimum lease payments under non-cancellable operating leases were as follows:

	December 31st 2018	December 31st 2017
Up to 1 year	177.5	156.0
From 1 to 5 years	225.3	318.2
Over 5 years	969.2	918.9
Total	1.372.0	1.393.1*

<sup>\*</sup>During the work on the implementation of IFRS 16 and following a thorough analysis of contracts, contracts not previously recognised as operating lease payments were identified. The Group has restated the presentation data for 2017. Operating lease payments are recognised as an expense over the lease term on a straight-line basis, therefore the change did not affect the reporting items in the comparative period.

#### 23. Derivative financial instruments

	Note	December 31st 2018	December 31st 2017
Non-current financial assets:		9.1	2.7
Commodity swaps (raw materials and petroleum products)		2.1	0.7
Interest rate swap (IRS)		7.0	2.0
Current financial assets:		15.3	161.8
Commodity swaps (raw materials and petroleum products)		11.7	34.0
Currency forward and spot contracts		-	13.1
Interest rate swap (IRS)		0.8	7.3
Currency swap		2.8	107.4
Financial assets	26.1	24.4	164.5
Non-current financial liabilities:		6.9	6.7
Commodity swaps (raw materials and petroleum products)		6.6	0.1
Interest rate swap (IRS)		0.3	6.6
Current financial liabilities:		47.4	72.7
Commodity swaps (raw materials and petroleum products)		15.0	3.7
Currency forward and spot contracts		21.8	9.5
Interest rate swap (IRS)		6.8	21.2
Currency swap		3.8	38.3
Financial liabilities	26.1	54.3	79.4

For description of the derivative financial instruments, see Note 7.22. For description of objectives and policies of financial risk management, see Note 27. For classification of derivative financial instruments by fair value hierarchy, see Note 23.1.

For sensitivity analysis of derivative financial instruments in terms of market risk related to changes in raw material and petroleum product prices, see Note 27.1.1.

For currency risk sensitivity analysis of derivative financial instruments, see Note 27.3.1.

For interest rate sensitivity analysis of derivative financial instruments, see Note 27.4.1.

For information on contractual maturities of derivative financial instruments, see Note 27.5.

For information on maximum credit risk exposure of derivative financial instruments (financial assets), see Note 27.6.

### 23.1 Fair value hierarchy

	December 31st 2018	December 31st 2017
	Leve	el 2
Financial assets		
Commodity swap	13.8	34.7
Currency forward and spot contracts	-	13.1
Interest rate swap (IRS)	7.8	9.3
Currency swap	2.8	107.4
Total	24.4	164.5
Financial liabilities		
Commodity swap	21.6	3.8
Currency forward and spot contracts	21.8	9.5
Interest rate swap (IRS)	7.1	27.8
Currency swap	3.8	38.3
Total	54.3	79.4



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## 24. Employee benefit obligations

	Note	December 31st 2018	December 31st 2017
Non-current liabilities:	24.1	170.4	169.3
Post-employment benefits	24.1	40.9	41.8
Length-of-service awards and other benefits	24.1	129.5	127.5
Current liabilities		156.2	145.3
Post-employment benefits	24.1	7.4	8.2
Length-of-service awards and other benefits	24.1	13.4	13.0
Bonuses, awards and unused holidays		100.9	93.5
Salaries and wages payable		34.5	30.6
Total		326.6	314.6

## 24.1 Obligations under length-of-service awards and post-employment benefits

In accordance with the Group's remuneration systems, the Group employees are entitled to post-employment benefits upon retirement. Length-of-service awards are paid after a specific period of employment. Therefore, based on valuations prepared by professional actuary firms or based on own estimates, the Group recognises the present value of obligations under length-of-service awards and post-employment benefits. The table below provides information on the amount of the obligations and reconciliation of changes in the obligations during the reporting period.

	Note	Post-employment benefits	Length-of-service awards and other benefits	Total
January 1st 2018		46.4	140.5	186.9
Current service cost	24.2	2.7	10.7	13.4
Cost of discount	24.2; 9.6	1.3	4.1	5.4
Past service cost	24.2	1.6	0.1	1.7
Benefits paid		(4.3)	(12.8)	(17.1)
Actuarial (gain)/loss under profit or loss	24.2	-	0.3	0.3
Actuarial (gain)/loss under other	24.2	(0.2)		(0.2)
comprehensive income	24.2	(0.2)	-	(0.2)
December 31st 2018		47.5	142.9	190.4
including:				
non-current		40.4	129.5	169.9
current		7.1	13.4	20.5
Obligations under length-of-service awards and post-employment benefits at foreign companies (1)		0.8	-	0.8
December 31st 2018		48.3	142.9	191.2
including:		10.0	1-210	10112
non-current		40.9	129.5	170.4
current		7.4	13.4	20.8

	Note	Post-employment benefits	Length-of-service awards and other benefits	Total
January 1st 2017		45.3	142.5	187.8
Current service cost	24.2	2.6	10.8	13.4
Cost of discount	24.2; 9.6	1.3	4.5	5.8
Benefits paid		(2.5)	(13.1)	(15.6)
Actuarial (gain)/loss under profit or loss	24.2	<u>-</u>	(4.2)	(4.2)
Actuarial (gain)/loss under other comprehensive income	24.2	(0.3)	-	(0.3)
December 31st 2017		46.4	140.5	186.9
including:				
non-current		38.5	127.5	166.0
short-term		7.9	13.0	20.9
Obligations under length-of-service awards and post-employment benefits at foreign companies (1)		3.6	-	3.6
December 31st 2017		50.0	140.5	190.5
including:				
non-current		41.8	127.5	169.3
short-term		8.2	13.0	21.2

<sup>(1)</sup> Given the different nature of pension plans operated by the Group's foreign companies LOTOS Exploration and Production Norge AS and the companies of the AB LOTOS Geonafta Group – and their immaterial effect on the Group's total obligations under length-of-service awards and post-employment benefits, those companies' obligations are presented separately <u>under</u> Obligations under length-of-service awards and post-employment benefits at foreign companies.



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#### 24.2 Total cost of future employee benefit payments charged to profit or loss

	Note	2018	2017
Items recognised in profit or loss:		20.8	15.1
Length-of-service awards, retirement and other post-employment benefits	9.2	15.4	9.3
- current service cost	24.1	13.4	13.4
- past service cost	24.1	1.7	-
- effect of foreign operations		-	0.1
- actuarial (gain)/loss	24.1	0.3	(4.2)
Cost of discount	24.1; 9.6	5.4	5.8
Items recognised in other comprehensive income:		(0.4)	1.5
Actuarial (gain)/loss	24.1	(0.2)	(0.3)
Effect of foreign operations		(0.2)	1.8
Total comprehensive income		20.4	16.6

#### 24.3 Actuarial assumptions

Key assumptions adopted by the actuary	December 31st 2018	December 31st 2017
Discount rate (%)	3.00%	3.30%
Expected inflation rate (%)	2.50%	2.50%
Employee turnover ratio (%)	3.30%	2.41%
Expected growth rate of salaries and wages (%) in the following year	1.30% + PLN 150	0.00%
Expected growth rate of salaries and wages (%) in the following years	2.50%	2.50%

- The employee attrition probability is based on the historical data on employee turnover at the Group and statistical data on the Polish labour market. The employee turnover ratios applied by the actuary were determined separately for five age categories in ten-year intervals. The employee turnover ratio is now calculated on an average basis.
- The mortality and life expectancy ratios are based on the Life Expectancy Tables of Poland for 2016, published by the Polish Central Statistics Office (GUS), and assume that the Company's employee population is representative of the average Polish population in terms of mortality (December 31st 2017: Life Expectancy Tables of Poland for 2016).
- It was assumed that employees would retire in accordance with the standard procedure, as prescribed by the Pensions Act, with the exception of employees who, according to the information provided by the Company, meet the conditions for early retirement entitlement.

  The discount rate on future benefits was assumed at 3.0%, i.e. reflecting the assumption made at the corporate level (December 31st 2017: 3.3%, i.e. reflecting the assumption made at the corporate level).

#### 24.4 Termination benefits

In 2018, termination benefits and compensation payable in respect of the non-compete obligation totalled PLN 8.1m (2017: PLN 8.5m). In 2018, provisions for termination benefits totalled PLN 0.2m (2017: PLN 0.4m).

### 24.5 Sensitivity analysis

The table below presents results of calculations for changed key actuarial assumptions: the salaries and wages growth rate and the discount rate.

### Initial obligation balance

Salaries and wages growth rate	Discount rate	Length-of- service awards	Old-age and disability retirement severance payments	Death benefits	Social benefits	Total <sup>(1)</sup>
base	base	127.2	42.1	11.5	9.6	190.4
base + 1%	base	136.3	45.9	12.3	11.2	205.7
base - 1%	base	117.8	38.4	10.6	8.3	175.1
base	base + 0.5%	122.2	40.1	11.0	9.0	182.3
base	base - 0.5%	131.1	43.8	11.8	10.3	197.0

<sup>(1)</sup> Given the different nature of pension plans operated by the Group's foreign companies – LOTOS Exploration and Production Norge AS and the companies of the AB LOTOS Geonafta Group – and their negligible effect on the Group's obligations under length-of-service awards and post-employment benefits, such companies' obligations were not presented in the review.



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The tables below present results of calculations for changed key actuarial assumptions: the salaries and wages growth rate, medical care contributions, and the discount rate.

## Current service cost projected for 2019

Salaries and wages		Length-of-	Old-age and disability retirement severance	<b>S</b>	Social benefits	<b>-</b> (1)
growth rate	Discount rate	service awards	payments	Death benefits	fund	Total (1)
base	base	10.5	2.5	1.0	0.5	14.5
base + 1%	base	11.5	2.9	1.1	0.7	16.2
base - 1%	base	9.6	2.2	0.9	0.4	13.1
base	base + 0.5%	10.1	2.4	0.9	0.5	13.9
base	base - 0.5%	10.9	2.7	1.0	0.6	15.2

## Cost of discount projected for 2019

Salaries and wages growth rate	Discount rate	Length-of- service awards	Old-age and disability retirement severance payments	Death benefits	Social benefits	Total (1)
base	base	3.4	1.0	0.3	0.3	5.0
base + 1%	base	3.7	1.2	0.3	0.3	5.5
base - 1%	base	3.2	0.9	0.3	0.2	4.6
base	base + 0.5%	3.8	1.2	0.3	0.3	5.6
base	base - 0.5%	3.0	0.9	0.3	0.3	4.5

## Total current service cost and cost of discount projected for 2019

Salaries and wages growth rate	Discount rate	Length-of- service awards	Old-age and disability retirement severance payments	Death benefits	Social benefits	Total (1)
base	base	13.9	3.5	1.3	0.8	19.5
base + 1%	base	15.2	4.1	1.4	1.0	21.7
base - 1%	base	12.8	3.1	1.2	0.6	17.7
base	base + 0.5%	13.9	3.6	1.2	0.8	19.5
base	base - 0.5%	13.9	3.6	1.3	0.9	19.7

<sup>(1)</sup> Given the different nature of pension plans operated by the Group's foreign companies – LOTOS Exploration and Production Norge AS and the companies of the AB LOTOS Geonafta Group – and their negligible effect on the Group's obligations under length-of-service awards and post-employment benefits, such companies' obligations were not presented in the review.



(PLNm)

## 25. Trade payables, other liabilities and provisions

	Note	December 31st 2018	December 31st 2017
Non-current financial liabilities:		26.1	26.5
Investment commitments		9.5	7.6
Liabilities towards the Polish National Foundation		15.3	17.2
Other		1.3	1.7
Current financial liabilities:		2,167.1	2,397.2
Trade payables		1,913.7	2,201.7
- including to related entities	30.1	5.2	-
Investment commitments		69.9	126.6
Liabilities to insurers		6.4	4.2
Settlements under joint operations (Norwegian fields) (1)		119.5	46.1
Liabilities towards the Polish National Foundation		2.5	2.5
Security deposit – ICE Futures		32.7	5.8
Other		22.4	10.3
- including to related entities	14	1.7	-
Financial liabilities		2,193.2	2,423.7
Non-current non-financial liabilities:	05.4	1,170.7	1,045.9
Provisions	25.1	1,159.5	1,034.0
Grants	25.2	8.8	9.4
Other		2.4	2.5
Current non-financial liabilities:		1,670.1	1,681.5
Provisions	25.1	121.8	40.3
Value-added tax payable		443.8	547.4
Excise duty and fuel charge payable		786.7	870.8
Other liabilities to the state budget other than corporate income to	ax	106.1	103.1
Grants	25.2	29.5	26.6
Settlements under joint operations (Norwegian fields) (1)		13.2	5.4
Prepaid deliveries		10.2	6.8
Liabilities under the NAVIGATOR loyalty programme		28.1	21.5
Provision for deficit in CO <sub>2</sub> emission allowances	27.2	40.7	14.4
Cost of services		30.3	7.6
Other		59.7	37.6
Non-financial liabilities		2,840.8	2,727.4
Total		5,034.0	5,151.1
including:			
non-current		1,196.8	1,072.4
current:		3,837.2	4,078.7
- trade receivables		1,913.7	2,201.7
- other		1,923.5	1,877.0

<sup>(1)</sup> Liabilities of LOTOS Exploration and Production Norge AS (LOTOS Upstream Group, the upstream segment) under mutual settlements between the operator and consortium members in relation to individual Norwegian fields.

Trade payables do not bear interest and are typically paid in 7-60 days. Other liabilities do not bear interest and their average payment period is one month. Amounts resulting from the difference between value added tax receivable and value added tax payable are paid to the relevant tax authorities on a monthly basis. Interest payable is usually settled on a monthly basis during a financial year.

For currency risk sensitivity analysis of trade and other payables, see Note 27.3.1. For information on contractual maturities of trade and other payables, see Note 27.5.



(PLNm)

#### 25.1 Provisions

			Provisions for dec	ommissioning a	nd site restoration costs			
		Provision for oil	and gas extraction	n facilities	Provisions for retired	Total	Other provisions	Total
	Note	Poland	Norway	Lithuania	refining and other units	lotai		
January 1st 2018		196.9	814.8	13.1	12.5	1,037.3	37.0	1,074.3
Recognised		-	-	-	-	-	72.3	72.3
Remeasurement of decommissioning costs		22.0	1.2	1.2	0.6	25.0	-	25.0
Remeasurement of estimated provision for contingent payments	9.4	-	-	-	-	-	69.2	69.2
Change in provisions attributable to approaching due date of liability (discount unwinding effect)	9.6	8.9	33.9	0.9	-	43.7	0.1	43.8
Interest on Oil and Gas Facility Decommissioning Fund		0.4	-	-	-	0.4	-	0.4
Exchange differences on translating foreign operations		-	15.7	0.4	-	16.1	(1.5)	14.6
Used		-	(2.2)	-	-	(2.2)	(11.7)	(13.9)
Reversed		-	-	-	(0.3)	(0.3)	(4.1)	(4.4)
December 31st 2018		228.2	863.4	15.6	12.8	1,120.0	161.3	1,281.3
including:								
non-current		228.2	852.6	15.6	12.7	1,109.1	50.4	1,159.5
current		-	10.8	-	0.1	10.9	110.9	121.8

Provisions for decommissioning and site restoration costs:

Provision for oil and gas extraction facilities in Poland – a provision for future costs of decommissioning of the oil and gas extraction facilities in the B-3 and B-8 licence areas, and the Oil and Gas Extraction Facility Decommissioning Fund, set up to cover future costs of decommissioning of oil and gas extraction facilities in accordance with the Geological and Mining Law of February 4th 1994 and the Minister of Economy's Regulation of June 24th 2002.

Provision for oil and gas extraction facilities in Norway – a provision for future costs of decommissioning of the oil extraction facilities in the YME field, and the oil and gas extraction facilities in the Heimdal and Sleipner fields.

Provision for oil and gas extraction facilities in Lithuania - a provision for future costs of decommissioning of the Lithuanian oil extraction facilities.

**Provisions for retired refining and other units** – a provision for site restoration and the cost of disassembly and decommissioning of the retired units at LOTOS Terminale S.A., a provision for estimated cost of disassembly of the subsea pipeline operated by a subsidiary Energobaltic Sp. z o.o. (a company of the LOTOS Petrobaltic Group), as well as for site restoration and clean-up.



(PLNm)

	Provisions for decommissioning and site restoration costs							
	Note	Provision for oil and gas extraction facilities			Provisions for retired	Total	Other provisions	Total
		Poland	Norway	Lithuania	refining and other units	Total		
January 1st 2017		186.5	958.6	14.0	15.2	1,174.3	82.8	1,257.1
Recognised		-	-	-	0.2	0.2	4.7	4.9
Remeasurement of decommissioning costs		3.5	(48.8) <sup>(1)</sup>	(0.9)	-	(46.2)	-	(46.2)
Remeasurement of estimated provision for contingent payments		-	-	-	-	-	0.1	0.1
Change in provisions attributable to approaching due date of liability (discount unwinding effect)	9.6	6.5	35.3	0.8	-	42.6	0.5	43.1
Interest on Oil and Gas Facility Decommissioning Fund		0.4	-	-	-	0.4	-	0.4
Exchange differences on translating foreign operations		-	(122.4)	(0.8)	-	(123.2)	(3.0)	(126.2)
Used		-	(7.9)	-	-	(7.9)	(32.5) (2)	(40.4)
Reversed		-	-	-	(2.9)	(2.9)	(15.6)	(18.5)
December 31st 2017		196.9	814.8	13.1	12.5	1,037.3	37.0	1,074.3
including:								
non-current		196.9	810.3	13.1	12.4	1,032.7	1.3	1,034.0
short-term		-	4.5	-	0.1	4.6	35.7	40.3

Provisions for decommissioning and site restoration costs:

Provision for oil and gas extraction facilities in Poland – a provision for future costs of decommissioning of the oil and gas extraction facilities in the B-3 and B-8 licence areas, and the Oil and Gas Extraction Facility Decommissioning Fund, set up to cover future costs of decommissioning of oil and gas extraction facilities in accordance with the Geological and Mining Law of February 4th 1994 and the Minister of Economy's Regulation of June 24th 2002.

Provision for oil and gas extraction facilities in Norway – a provision for future costs of decommissioning of the oil extraction facility in the YME field (including the provision for future costs of MOPU removal) and the oil and gas extraction facilities in the Heimdal and Sleipner fields.

Provision for oil and gas extraction facilities in Lithuania - a provision for future costs of decommissioning of the Lithuanian oil extraction facilities.

Provisions for retired refining and other units – a provision for site restoration and the cost of disassembly and decommissioning of the retired units at LOTOS Terminale S.A., a provision for estimated cost of disassembly of the subsea pipeline operated by a subsidiary Energobaltic Sp. z o.o. (a company of the LOTOS Petrobaltic Group), as well as for site restoration and clean-up.

<sup>(1)</sup> The amount includes mainly remeasurement of provisions for future costs of decommissioning of crude oil and gas extraction facilities related to the Heimdal and Sleipner assets.

<sup>(2)</sup> Including PLN 31.4m (NOK 69.3m) related to a provision for contingent payments under the Sleipner assets acquisition agreement.



(PLNm)

### Provision for oil and gas extraction facilities - Norway

#### Provision for decommissioning and restoration of oil extraction facility in the YME field

As at December 31st 2018, the provision for decommissioning and restoration of the extraction facility in the YME field, totalling PLN 153.0m, was disclosed <u>under</u> Other liabilities and provisions and reflected the current estimate, made based on the Group's best knowledge, of future costs of removal of the YME infrastructure and costs of site restoration, assuming that the project is decommissioned in 2032. As at December 31st 2017, the provision was PLN 144.2m.

#### Provision for removal of the defective MOPU from the YME field

As described in Note 29.1, in March 2013, the operator of the YME field, Talisman Energy Norge AS ("Talisman", "Operator"), and the supplier of the Mobile Offshore Production Unit (MOPU) for operation of the YME field, Single Buoy Moorings Inc. ("SBM"), announced that an agreement had been reached to remove the defective MOPU (evacuated in mid-July 2012) from the YME field and to terminate all existing contracts and agreements between the parties in connection with the YME project. Following the agreement, the Group recognised a provision for the future removal of the MOPU from the YME field, in the amount of PLN 281.9m. The provision was gradually used in subsequent years (PLN 1.9m in 2018). As at December 31st 2018, the provision was PLN 2.4m.

#### Provision for decommissioning and restoration of gas extraction facilities in the Heimdal fields

Decommissioning of the fixed assets of the offshore oil and gas extraction facility in the Heimdal fields and site restoration work are scheduled for 2019–2023. As at December 31st 2018, the provision was disclosed in the Group's statement of financial position under Other liabilities and provisions at PLN 188.5m. As at December 31st 2017, the provision was PLN 169.5m.

#### Provision for decommissioning and restoration of gas extraction facilities in the Sleipner fields

Decommissioning of the fixed assets of the offshore oil and gas extraction facility in the Sleipner fields and site restoration work are scheduled for 2026–2038. As at December 31st 2018, the provision was disclosed in the Group's statement of financial position under Other liabilities and provisions at PLN 519.5m. As at December 31st 2017, the provision was PLN 496.9m.

### Other provisions

The Group estimated a provision for future liabilities to Exxon Mobil as a final contractual settlement of the purchase of the Sleipner fields as part of a value-adjustment mechanism. The provision reflects the adjusted difference between the forecast production volume and prices in 2018-2020, and the assumptions adopted for transaction purposes. As at December 31st 2018, the provision was PLN 72.1m. As at December 31st 2017, the provision was PLN 4.3m.

The tax risk provision as at December 31st 2018 was PLN 79.0m. As at December 31st 2017, the provision was PLN 20.8m.

## 25.2 Grants

	Note	2018	2017
At beginning of period		36.0	34.4
Grants received in period		11.8	18.4
Deferred grants	9.3	(9.5)	(16.8)
At end of period		38.3	36.0
including:			
non-current	25	8.8	9.4
current	25	29.5	26.6

The grants are primarily related to licences received free of charge and grants from the Eco Fund for the use of waste gas from an offshore oil extraction facility for heating purposes.



(PLNm)

## 26. Financial instruments

## 26.1 Carrying amount

			IFRS 9		
	_	•	Measurement at fa		
December 31st 2018	Note	Measurement at amortised cost	Profit or loss	Other comprehensive income	Total
Financial assets					
Trade receivables	15	1,880.4	-	-	1,880.4
Cash and cash equivalents	17	1,941.3	-	-	1,941.3
Derivative financial instruments	23	-	24.4	-	24.4
Equity investments	15	-	-	9.8	9.8
Other financial assets	15	685.2		-	685.2
Total		4,506.9	24.4	9.8	4,541.1
Financial liabilities					
Bank borrowings, non-bank borrowings and notes	22	3,704.0	-	-	3,704.0
Trade payables	25	1,913.7	-	-	1,913.7
Derivative financial instruments	23	-	54.3	-	54.3
Other financial liabilities	25	279.5	-	-	279.5
Total		5,897.2	54.3	•	5,951.5

The Group has implemented IFRS 9 without restating comparative data.

		IAS 39					
December 31st 2017	Note	Financial assets/liabilities measured at fair value through profit or loss - held for trading	Loans and receivables	Financial assets available for sale	Financial (1) liabilities at amortised cost	Total	
Financial assets							
Trade receivables	15	-	2,677.0	-	-	2,677.0	
Cash and cash equivalents	17	-	1,920.7	-	-	1,920.7	
Derivative financial instruments	23	164.5	-	-	-	164.5	
Other financial assets	15	-	429.9	9.8	-	439.7	
Total		164.5	5,027.6	9.8	-	5,201.9	
Financial liabilities							
Bank borrowings, non-bank borrowings and notes	22	-	-	-	4,284.3	4,284.3	
Trade payables	25	-	-	-	2,201.7	2,201.7	
Derivative financial instruments	23	79.4	-	-	-	79.4	
Other financial liabilities	25	-	-	-	222.0	222.0	
Total		79.4	-	-	6,708.0	6,787.4	

	Note	December 31st 2018	December 31st 2017
Financial assets			
Finance lease receivables	15.2	15.7	19.9
Financial liabilities			
Finance lease liabilities	22.4	180.0	141.6



(PLNm)

## 26.2 Material items of income, expenses, gains and losses disclosed in the statement of comprehensive income by category of financial instrument

			IFRS 9			
December 31st 2018	-		Measurement at fa	air value through:	Total	
	Note	Measurement at amortised cost	Profit or loss	Other comprehensive income	Total	
Trade receivables:						
Interest income	9.5	2.7	-	-	2.7	
Foreign exchange (gains)/losses recognised in cost of sales	9.1	23.1	-	-	23.1	
Cash and cash equivalents						
Interest income	9.5	4.5			4.5	
Other financial assets:						
Income from interest on deposits	9.5	27.0	-	-	27.0	
Foreign exchange gains/(losses) on deposits and other	9.6	58.9	_	_	58.9	
cash and on non-bank borrowings recognised in finance income/costs	9.0	30.9			30.9	
Derivative financial instruments (financial assets/liabilities):						
Gains/(losses) on fair value measurement of derivative financial instruments	9.6	-	(116.7)	-	(116.7)	
Gains/(losses) on realisation of derivative financial instruments	9.6	-	109.5	-	109.5	
Equity investments:						
Dividend income				2.1	2.1	
Bank borrowings, non-bank borrowings and notes:						
Interest expense	9.6	(114.4)	-	-	(114.4)	
Gains/(losses) on cash flow hedge accounting charged against revenue	8	(91.6)	-	-	(91.6)	
Foreign exchange gains/(losses) on bank borrowings, non-bank borrowings,						
notes, and realised foreign-currency transactions in bank accounts recognised in	9.6	(132.1)	-	-	(132.1)	
finance income/(costs)						
Gains/(losses) on measurement of cash flow hedges recognised in other comprehensive income	20	(77.8)	-	-	(77.8)	
Trade and other payables:						
Foreign exchange (gains)/losses recognised in cost of sales	9.1	(89.3)	-	-	(89.3)	
Total		(389.0)	(7.2)	2.1	(394.1)	



(PLNm)

				IAS 39		
December 31st 2017		Financial assets/ liabilities at fair value through profit or loss – held for trading	Loans and receivables	Financial assets available for sale	Financial liabilities at amortised cost	Total
	Note					
Trade receivables:						
Interest income	9.5	-	2.6	-	-	2.6
Foreign exchange (gains)/losses recognised in cost of sales	9.1	-	(24.1)	-	-	(24.1)
Other financial assets:						
Income from interest on deposits	9.5	-	14.3	-	-	14.3
Foreign exchange gains/(losses) on deposits and other cash and on non-bank borrowings and notes recognised in finance income	9.5	-	(209.9)	-	-	(209.9)
Derivative financial instruments (financial assets/liabilities):						
Gains/(losses) on fair value measurement of derivative financial instruments	9.5	196.7	-	-	=	196.7
Gains/(losses) on realisation of derivative financial instruments	9.5	117.4	-	-	-	117.4
Bank borrowings, non-bank borrowings and notes						
Interest expense	9.6	-	-	-	(133.3)	(133.3)
Gains/(losses) on cash flow hedge accounting charged against revenue	8	-	-	-	(150.5)	(150.5)
Foreign exchange gains/(losses) on bank borrowings, non-bank borrowings, notes, and realised foreign-currency transactions in bank accounts recognised in finance income	9.5	-	-	-	313.8	313.8
Gains/(losses) on measurement of cash flow hedges recognised in other comprehensive income	20	-	-	-	725.4	725.4
Trade and other payables:						
Foreign exchange (gains)/losses recognised in cost of sales	9.1	-	-	-	19.3	19.3
Total		314.1	(217.1)	-	774.7	871.7

	Note	December 31st 2018	December 31st 2017
Finance lease liabilities:			
Interest expense	9.6	(19.9)	(18.4)
Foreign exchange gains/(losses) recognised in finance income/costs		(1.3)	3.2



(PLNm)

#### 27. Objectives and policies of financial risk management

The Group is exposed to financial risks, including:

- market risk (risk related to raw material and petroleum product prices, risk related to prices of CO<sub>2</sub> allowances, currency risk, interest rate risk).
- liquidity risk
- credit risk related to financial and trade transactions.

The Parent has appropriate units (Finance Management Office, Financial Risk Analysis and Control Office together with the Credit Risk and Transaction Documentation Team) reporting to the Chief Financial Officer, who coordinates and exercises ongoing supervision of the LOTOS Group's financial risk management processes.

Furthermore, the Price Risk and Trading Committee, appointed by the Management Board, supervises the work on development of policies and procedures, and monitors the implementation of the Group's strategy in the area of its responsibilities. Specifically, the Committee provides opinions on or initiates key price and trading risk management initiatives, issues recommendations, and submits proposals for actions that require the Management Board's approval.

In addition, to ensure effective management of liquidity, debt structure and external finance raising by companies of the LOTOS Group, the Management Board has appointed the Liquidity Optimisation and Financing Coordination Team.

Financial risk management seeks to achieve the following key objectives:

- increase the probability of budget and strategic objectives being met,
- · limit cash flow volatility,
- ensure short-term financial liquidity,
- optimise the expected level of cash flows and risk,
- support operating, investment and financial processes, and create value in the long term.

With a view to implementing the above objectives, the Group has put in place appropriate tools and developed a number of documents, approved at the relevant decision-making levels, defining the framework for ensuring effectiveness and safety of the Group's financial activities, including:

- the methodology for quantifying exposures to particular risks,
- the time horizon for hedging a given risk,
- · acceptable financial instruments,
- the method of assessing financial risk management,
- limits within risk management,
- the reporting method,
- credit limits,
- documentation and operating standards,
- separation of responsibilities for execution of transactions, risk analysis and control, documentation of and accounting for transactions, and their allocation to different corporate units.

The Parent monitors and reports all managed market risks on an ongoing basis. The Parent uses liquid derivatives which can be measured by applying commonly used valuation models. The valuation of derivative financial instruments is performed based on market inputs provided by reliable sources. Opening positions with respect to risks which do not arise as part of the Group's core business is prohibited.

In 2018, the Parent continued to apply the hedge accounting policies implemented in 2011 and 2012 with respect to its cash flows (i.e. foreign-currency facilities used to finance the 10+ Programme, designated as hedges of future USD-denominated petroleum product sale transactions).

### 27.1 Risk related to commodity and petroleum product prices

The Group considers risk related to prices of commodities and petroleum products to be particularly important.

The following risk factors are identified in this area:

- volatility of the refining margin, measured as the difference between liquid indices of a reference petroleum product basket (e.g. aviation fuel, gasoline, diesel oil, fuel oil) and a liquid index of reference commodity (e.g. Urals crude),
- volatility of prices with respect to the commodity and product inventory volumes deviating from the required levels of emergency and operational stocks,
- volatility of differentials between the reference indices and indices used in commercial contracts (e.g. Urals-Brent differential, i.e. the
  difference between different types of crude oil),
- use of non-standard pricing formulae in trade contracts.

The Parent has in place "Grupa LOTOS S.A.'s commodity and petroleum products price risk management policy", which defines the classification system for transaction portfolios and their business functions, describes how risk is understood and how portfolio exposures are measured, specifies permitted financial instruments and limitations on their use, and transaction execution standards, and also provides guidelines on how to evaluate risk management performance and set relevant limits. Transaction limits falling within the scope of that policy are delegated by the Management Board to lower-level decision-makers.

To support the achievement of the policy objectives, the Company uses a leading Energy Trading and Risk Management system (Allegro).

Under the approved policy, the Company may continue to offer petroleum products at fixed prices. To preserve the original price risk profile, the Group has entered into commodity swaps.



(PLNm)

#### Open commodity swaps as at December 31st 2018:

Type of contract			Amount in tonnes in	Fair value mea	surement
	Underlying index	Valuation period	Amount in tonnes in — the valuation period	Financial assets	Financial liabilities
Commodity swap	FuelOil 3.5 pct Brg FOB Rrdam	Mar 2019–Jun 2021	183,433	0.5	(21.5)
Commodity swap	Gasoil 0.1 pct Crg CIF NWE_ARA	Mar 2019-Jun 2021	(17,010)	3.3	(0.1)
			Total	3.8	(21.6)

The above swap transactions for a total of 183,433 tonnes based on the FuelOil 3.5 pct Brg FOB Rrdam liquid index in the period from March 2019 to June 2021 and (17,010) tonnes based on the Gasoil 0.1 pct Crg CIF NWE ARA liquid index in the same period were entered into to reverse the risk profile relating to the prices of raw materials and petroleum products and arising in connection with the sale of bitumen components at fixed prices.

Type of contract			Amount in cubic	Fair value mea	surement
	Underlying index	Valuation period	metres in the valuation period	Financial assets	Financial liabilities
Commodity swap	Ethanol T2 FOB Rdam Barge Eur/cm	Jan 2019-Dec 2019	24,300	10.0	-
			Total	10.0	-

Furthermore, in connection with the execution of an annual contract for the purchase of ethanol, in 2018 the Parent entered into commodity swaps to hedge the price risk.

#### Open commodity swaps as at December 31st 2017

			Amount in towns in	Fair value measurement		
Type of contract	Underlying index	Valuation period	Amount in tonnes in — the valuation period	Financial assets	Financial liabilities	
Commodity swap	3.5 pct Brg FOB Rrdam	Mar 2018 – Jun 2019	111,877	34.7	-	
Commodity swap	Gasoil 0.1 pct Crg CIF NWE_ARA	Mar 2018 – Jun 2019	(10,339)	-	(3.8)	
			Total	34.7	(3.8)	

The above swap transactions for a total of 111,877 tonnes based on the 3.5 PCT Barges FOB Rotterdam liquid index in the period from March 2018 to June 2019 and (10,339) tonnes based on the Gasoil 0.1 pct Crg CIF NWE ARA liquid index in the same period were entered into to reverse the risk profile relating to the prices of raw materials and petroleum products and arising in connection with the sale of bitumen components at fixed prices.

## 27.1.1 Sensitivity analysis: market risk related to commodity and petroleum product price movements

Below is presented an analysis of the sensitivity of the Group's financial transactions to the risk of fluctuations in prices of commodities and petroleum products as at December 31st 2018 and 2017, assuming price increase/decrease corresponding to the implied annual volatility of the underlying index:

		December 31st 20	Dec	ember 31st 20	17	
	Carrying	Chan	ge*	Carrying	Cha	nge**
	amount	+ implied volatility	- implied volatility	amount	+ imp. vol.	-imp. vol.
Financial assets	13.8	1.5	(1.5)	34.7	37.3	(37.3)
Financial liabilities	21.6	(62.1)	62.1	3.8	4.3	(4.3)
Effect on profit/loss		63.6	(63.6)		33.0	(33.0)

<sup>\*</sup> With respect to instruments held as at December 31st 2018, the above deviations of underlying index prices were calculated based on the implied annual volatility of the underlying index for December 31st 2018, as published by SuperDerivatives. The volatility was +/- 37.28% for the FuelOil 3.5 pct Brg FOB Rrdam index, +/- 38.11% for Gasoil 0.1 pct Crg CIF NWE\_ARA, and +/- 16.42% for Ethanol T2 FOB Rdam Barge Eur/cm.

The effect of the underlying index price changes on the fair value was examined assuming that the currency exchange rates remain unchanged.

## 27.2 Risk related to prices of carbon dioxide (CO<sub>2</sub>) emission allowances

The risk related to prices of carbon dioxide emission allowances is managed within the Parent on an ongoing basis in line with the assumptions set forth in the strategy for managing the risk approved by the Grupa LOTOS Management Board. The Group balances its future CO<sub>2</sub> emission allowance deficits and surpluses depending on the market situation and within defined limits. In line with the approved strategy and limits, the Parent executes the following transactions for emission units:

- EUA (Emission Unit Allowance) represents an allowance to emit one tonne of CO<sub>2</sub>,
- CER (Certified Emission Reduction unit) represents one tonne of CO<sub>2</sub> equivalent (tCO<sub>2</sub>e) effectively reduced. CERs are obtained in connection with investment projects implemented in developing countries where no CO<sub>2</sub> emission limits have been defined.
- ERU (Emission Reduction Unit) represents one tonne of CO<sub>2</sub> equivalent (tCO<sub>2</sub>e) effectively reduced. ERUs are certified emission units, obtained through investment projects implemented in countries where CO<sub>2</sub> reduction costs are lower.

<sup>\*\*</sup> With respect to instruments held as at December 31st 2017, the above deviations of underlying index prices were calculated based on the implied annual volatility of the underlying index for December 31st 2017, as published by SuperDerivatives. The volatility was +/- 27.39% for the FuelOil 3.5 pct Brg FOB Rrdam index and +/- 21.23% for Gasoil 0.1 pct Crg CIF NWE\_ARA.



(PLNm)

As at December 31st 2018, the Parent's deficit of allowances in the 2013–2020 trading period (Phase III) was 1,142,876 tonnes. However, taking into account derivative transactions for a total of 1,159,000 tonnes, the Parent had surplus emission allowances for 16,124 tonnes, which were purchased in view of the market situation and the strategic nature of the emission allowances deficit expected after 2020.

As at December 31st 2017, the Parent's deficit of allowances in the 2013–2020 trading period (Phase III) was 1,103,796 tonnes. However, taking into account derivative transactions for a total of 1,554,000 tonnes, the Parent had surplus emission allowances for 450,204 tonnes, which were purchased in view of the market situation and the strategic nature of the emission allowances deficit expected after 2020.

To manage risk related to carbon dioxide emission allowances, the Group evaluates the risk of deficit of free emission allowances allocated under the National Allocation Plan on a case-by-case basis.

The CO<sub>2</sub> emission allowances for 2013–2020 presented below include allowances granted pursuant to the Regulations of the Council of Ministers, as well as other free allowances allocated by the European Commission.

Number of free CO<sub>2</sub> emission allowances for 2013–2020 and actual CO<sub>2</sub> emissions:

in million tonnes	2013	2014	2015	2016	2017	2018	2019	2020	Total
Allowances allocated under the National Allocation Plan <sup>(1)</sup>	1.8	1.7	1.6	1.6	1.6	1.5	1.5	1.5	12.8
Actual CO <sub>2</sub> emissions (2)	1.7	1.9	1.9	2.0	1.8	2.0	-	-	11.3

<sup>(</sup>¹) Number of free CO₂ allowances in 2013–2020 as per the National Allocation Plan (NAP), based on the Regulation of the Polish Council of Ministers of March 31st 2014 (Dz.U. of 2014, item 439) and the Regulation of the Polish Council of Ministers of April 8th 2014 (Dz.U. of 2014, item 472), containing a list of installations covered by the greenhouse gas emission allowance trading scheme along with the number of allowances allocated to them. The figures also account for additional free emission allowances from the European Commission reserve, allocated in connection with the expansion of the refinery's production capacities following from the use of natural gas in hydrogen production.

As at December 31st 2018, considering the proposed amount of allowances to be allocated under the European Union Emissions Trading Scheme for 2018 and the actual volume of emissions, the Group reported a deficit of allocated CO<sub>2</sub> emission allowances, and therefore recognised a liability PLN 40.7m as at December 31st 2018 (December 31st 2017: PLN 14.4m). The PLN 26.3m effect of the provision on EBIT (see Note 9.4) is presented under other expenses (2017: PLN 4.6m; see Note 9.3).

If required, futures contracts to purchase carbon dioxide (CO<sub>2</sub>) allowances open as at the last day of the reporting period are settled by the Group through physical delivery, with the intention to potentially use the allowances to offset actual CO<sub>2</sub> emissions. The valuation of contracts settled through physical delivery is not disclosed under financial assets/liabilities in the financial statements. However, the Group internally monitors and performs the valuation of such contracts as part of an overall assessment of the effectiveness of its CO<sub>2</sub> risk management (off balance sheet).

EUA futures contracts open as at December 31st 2018 which the Group considered likely to be settled through physical delivery and used for the Group's own purposes were not disclosed in the financial statements as at the last day of the reporting period, and their fair value was recorded only as an off-balance sheet item.

Contract position as at December 31st 2018 and 2017:

### Open CO2 allowances contracts as at December 31st 2018:

				Fair value mea	asurement*
Type of contract	Contract settlement period	Contract volume (in tonnes)	Phase	Financial	Financial
				assets	liabilities
EUA Futures	Dec 2019 – Dec 2020	1,159,000	Phase III	50.1	(0.8)

<sup>\*</sup>Off-balance-sheet value, used exclusively for statistical purposes and as part of monitoring in risk management.

## Open CO<sub>2</sub> allowances contracts as at December 31st 2017:

				Fair value mea	surement*
Type of contract	Contract settlement period	Contract volume (in tonnes)	Phase	Financial	Financial
				assets	liabilities
EUA Futures	Dec 2018 – Dec 2020	1,554,000	Phase III	8.7	(0.1)

<sup>\*</sup>Off-balance-sheet value, used exclusively for statistical purposes and as part of monitoring in risk management.

## 27.2.1 Sensitivity analysis: market risk related to movements in prices of carbon dioxide (CO2) emission allowances

As at December 31st 2018 and 2017, the Group held futures for the purchase of carbon dioxide (CO2) emission allowances.

The Group does not perform a sensitivity analysis for the fair value of futures contracts to purchase  $CO_2$  emission allowances held by it as at the end of the reporting period if it intends to settle the contracts through physical delivery and use them to cover its allowance deficits under the carbon emission reduction system. Therefore, no sensitivity analysis was performed with reference to the EUA futures held as at December 31st 2018 and 2017.

<sup>(2)</sup> CO<sub>2</sub> emissions, calculated based on the production data for the installations covered by the emissions trading scheme. The data is verified in accordance with Art. 59 of the Act on Trading in Greenhouse Gas Emission Allowances of April 28th 2011.



(PLNm)

### 27.3 Currency risk

In its operations the Group is exposed to currency risks related to:

- trading in raw materials, petroleum products and other commodities,
- investment cash flows,
- · cash flows from financing activities, including deposits and borrowings,
- · valuation of derivative instruments,

indexed to or denominated in a currency other than the functional currency.

Currency risk is managed by the Company in line with the assumptions of the Grupa LOTOS S.A. Currency Risk Management Policy. Under the policy, exposure is understood as material positions exposed to currency risk, affecting liquidity within the management horizon when the risk arises. The central risk metric is Cash-Flow-at-Risk (CFaR), computed based on the CorporateMetrics™ methodology, with the CFaR value limit and the maximum hedge ratio being the key limits.

The exposure management horizon is linked with the budget forecast horizon, which varies from three to six consecutive quarters depending on the time of the year.

The Group actively manages its currency exposure by optimising the expected values of cash flows and risk within applicable limits, taking into account expected market developments.

As USD is used in market price quotations for crude oil and petroleum products, it was decided that USD is the most appropriate currency for contracting and repaying long-term credit facilities financing the 10+ Programme as this would reduce the structural long position and, consequently, also the strategic currency risk.

The Group has a structural long position in USD (it benefits from a rise in the USD/PLN exchange rate) as its cash inflows dependent on the USD exchange rate (mainly revenue from sale of petroleum products) are higher than the corresponding cash outflows (e.g. on purchase of crude oil, credit facility repayments).

Under the EFRA Project, the Group concluded EUR/USD currency contracts designed to hedge EUR-denominated capital expenditure against USD as the main financing currency.

### Open currency contracts as at December 31st 2018:

Type of contract Purchas		Contract settlement	Currency pair	Amount in base -	Fair value mea	asurement
	Purchase/sale	period	(base/quote)	currency (million)	Financial	Financial
		•	(·····)	,	assets	liabilities
Currency spot	Sales	Jan 2019	EUR/PLN	(1.6)	-	-
Currency forward	Purchase	Jan 2019	USD/PLN	11.5	-	(0.4)
Currency forward	Purchase	Jan-Dec 2019	EUR/USD	125.0	-	(14.1)
Currency forward	Sales	Jan-Jun 2019	USD/PLN	(110.0)	-	(7.3)
Currency swap	Purchase	May 2019	EUR/USD	19.0	-	(0.6)
Currency swap	Purchase	Jan 2019	EUR/PLN	60.0	0.1	-
Currency swap	Sales	Jan-Jul 2019	USD/PLN	(261.6)	2.7	(3.2)
				Total	2.8	(25.6)

## Open currency contracts as at December 31st 2017:

		Contract settlement	Currency pair	Amount in base –	Fair value mea	surement
Type of contract	ype of contract Purchase/sale	period	(base/quote)	currency (million)	Financial assets	Financial liabilities
Currency spot	Purchase	Jan 2018	USD/PLN	54.0	-	(0.6)
Currency spot	Purchase	Jan 2018	EUR/PLN	0.1	-	-
Currency forward	Purchase	Jan 2018	USD/PLN	124.0	-	(8.3)
Currency forward	Purchase	Jan-Mar 2018	EUR/PLN	10.0	-	(0.6)
Currency forward	Purchase	Jan-Jun 2018	EUR/USD	25.8	5.8	-
Currency forward	Sales	Jun-Oct 2018	USD/PLN	(60.0)	6.2	-
Currency forward	Sales	Mar 2018	EUR/PLN	(10.0)	1.1	-
Currency swap	Purchase	Jan-Jun 2018	USD/PLN	162.6	-	(38.3)
Currency swap	Purchase	Jan 2018	EUR/USD	14.3	1.1	-
Currency swap	Sales	Jan-Oct 2018	USD/PLN	(565.7)	106.3	-
				Total	120.5	(47.8)



(PLNm)

## 27.3.1 Sensitivity analysis: market risk related to currency exchange movements

## Currency structure of selected financial instruments as at December 31st 2018

December 31st 2018	Note	(million) USD	USD translated into PLN	(million) EUR	EUR translated into PLN	Carrying amount in foreign currency translated into PLN
Classes of financial instruments						
Financial assets						
Trade receivables		78.0	293.2	6.5	28.4	321.6
Cash and cash equivalents		75.7	284.7	26.7	115.4	400.1
Other financial assets:		75.7	284.5	-	-	284.5
Loans advanced to related entities		64.3	241.4	-	-	241.4
Deposits		9.0	33.9	-	-	33.9
Cash for removal of the MOPU from the YME field	15	0.7	2.8	-	-	2.8
Other		1.7	6.4	-	-	6.4
Total		229.4	862.4	33.2	143.8	1,006.2
Financial liabilities						
Borrowings		913.4	3,376.6	-	-	3,376.6
Notes		60.4	227.0	-	-	227.0
Finance lease liabilities		-	-	7.8	33.3	33.3
Trade payables		388.8	1,461.9	5.8	25.0	1,486.9
Other financial liabilities		3.2	12.0	11.6	49.9	61.9
Total		1,365.8	5,077.5	25.2	108.2	5,185.7

## Currency structure of selected financial instruments as at December 31st 2017

December 31st 2017	Note	(million) USD	USD translated into PLN	(million) EUR	EUR translated into PLN	Carrying amount in foreign currency translated into PLN
Classes of financial instruments						
Financial assets						
Trade receivables		88.4	307.9	4.3	18.3	326.2
Cash and cash equivalents		271.1	868.4	23.1	102.0	970.4
Other financial assets:		182.4	634.6	4.7	20.0	654.6
Loans advanced to related entities		157.0	546.3	4.7	19.8	566.1
Deposits		8.3	29.0	-	-	29.0
Security deposit (margin)		-	-	-	0.2	0.2
Cash for removal of the MOPU from the YME field	15	15.9	55.1	-	-	55.1
Other		1.2	4.2	-	-	4.2
Total		541.9	1,810.9	32.1	140.3	1,951.2
Financial liabilities						
Borrowings		1,201.1	4,116.2	-	-	4,116.2
Notes		59.0	205.4	-	-	205.4
Finance lease liabilities		-	-	10.7	44.5	44.5
Trade payables		485.3	1,689.3	5.3	21.9	1,711.2
Other financial liabilities		4.5	15.6	6.4	26.5	42.1
Total		1,749.9	6,026.5	22.4	92.9	6,119.4

For the purposes of sensitivity analysis, the currency structure presented above also accounts for intercompany foreign currency transactions sensitive to changes in foreign exchange rates, which affect the Group's currency risk in accordance with IAS 21 The Effects of Changes in Foreign Exchange Rates with respect to recognition of relevant foreign exchange gains or losses in the Group's net profit or loss.

Apart from currency spots, forwards and swaps, the Group held foreign-currency derivatives, including commodity swaps, commodity options, interest-rate swaps and futures. Depending on the type of derivative, the Group applies appropriate methods of fair value measurement, which also determine the method of calculating the effect of changes of foreign exchange rates on the value of individual derivatives (for more detailed information on the derivative measurement methods, see Note 7.22). The tables below, presenting sensitivity of financial instruments to currency risk as at December 31st 2018 and December 31st 2017, also present the effect of currency exchange rate movements on the carrying amounts of the derivative financial instruments.



(PLNm)

Analysis of the sensitivity to currency risk as at December 31st 2018, showing the effect of a +/- 9.950% change in the USD/PLN exchange rate and a +/- 5.512% change in the EUR/PLN exchange rate on net profit or loss

December 31st 2018	Effect of exchange rate increase/decrease on net profit/loss for the year in 2018					
	+9.950%	+5.512%	-9.950%	-5.512%		
	USD	EUR	USD	EUR		
Classes of financial instruments						
Financial assets						
Derivative financial instruments	(46.7)	14.4	46.7	(14.4)		
Trade receivables	29.2	1.6	(29.2)	(1.6)		
Cash and cash equivalents	28.3	6.4	(28.3)	(6.4)		
Other financial assets:	28.3	-	(28.3)	-		
Loans advanced to related entities	24.0	-	(24.0)	-		
Deposits	3.4	-	(3.4)	-		
Cash for removal of the MOPU from the YME field	0.3	-	(0.3)	-		
Other	0.6	-	(0.6)	-		
Total financial assets	39.1	22.4	(39.1)	(22.4)		
Financial liabilities						
Borrowings	143.7	-	(143.7)	(1)		
Notes	22.6	-	(22.6)	-		
Finance lease liabilities	-	1.8	-	(1.8)		
Derivative financial instruments	151.4	(34.0)	(151.4)	34.0		
Trade payables	145.5	1.4	(145.5)	(1.4)		
Other financial liabilities	0.1	2.8	(0.1)	(2.8)		
Total financial liabilities	463.3	(28.0)	(463.3)	28.0		
Total	(424.2)	50.4	424.2	(50.4)		

<sup>(1)</sup>The calculation of the effect of an exchange rate movement on the balance-sheet item takes into account the effect of cash flow hedge accounting. Assuming a +/-9.950% change of the USD/PLN exchange rate, the effect of cash flow hedge accounting would potentially lead to a change of PLN (194.1)m/PLN 194.1m in the fair value of borrowings. Furthermore, the calculation takes into account the effect of paid upfront arrangement fees (measured at the exchange rate effective on the payment date), reducing financial liabilities under borrowings, which would potentially result in a change of PLN 1.9m/PLN (1.9)m in the fair value of borrowings, assuming a +/- 9.950% change of the USD/PLN exchange rate.

The above deviations of carrying amounts in the zloty that are dependent on currency exchange rates were calculated on the basis of the implied annual exchange rate volatility for December 31st 2018, which was 9.950% for USD/PLN and 5.512% for EUR/PLN, as published by Reuters. The sensitivity analysis was performed with reference to the balance of instruments held as at December 31st 2018.

Analysis of the sensitivity to currency risk as at December 31st 2017, showing the effect of a +/- 9.087% change in the USD/PLN exchange rate and a +/- 5.950% change in the EUR/PLN exchange rate on net profit or loss

December 31st 2017	Effect of exchange ra	ate increase/decreas 2017	e on net profit/loss for	r the year in
	+9.087%	+5.950%	-9.087%	-5.950%
	USD	EUR	USD	EUR
Classes of financial instruments				
Financial assets				
Derivative financial instruments	(206.7)	6.7	206.7	(6.7)
Trade receivables	28.0	1.1	(28.0)	(1.1)
Cash and cash equivalents	78.9	6.1	(78.9)	(6.1)
Other financial assets:	57.6	1.2	(57.6)	(1.2)
Loans advanced to related entities	49.6	1.2	(49.6)	(1.2)
Deposits	2.6	-	(2.6)	-
Cash for removal of the MOPU from the YME field	5.0	-	(5.0)	-
Other	0.4	-	(0.4)	-
Total financial assets	(42.2)	15.1	42.2	(15.1)
Financial liabilities				
Borrowings	157.2 <sup>(1)</sup>	-	(157.2) <sup>(1)</sup>	-
Notes	18.7	-	(18.7)	-
Finance lease liabilities	-	2.6	-	(2.6)
Derivative financial instruments	95.5	2.5	(95.5)	(2.5)
Trade payables	153.5	1.3	(153.5)	(1.3)
Other financial liabilities	1.4	1.6	(1.4)	(1.6)
Total financial liabilities	426.3	8.0	(426.3)	(8.0)
Total	(468.5)	7.1	468.5	(7.1)

<sup>(</sup>¹)The calculation of the effect of an exchange rate movement on the balance-sheet item takes into account the effect of cash flow hedge accounting. Assuming a +/-9.087% change of the USD/PLN exchange rate, the effect of cash flow hedge accounting would potentially lead to a change of PLN (219.4)m/PLN 219.4m in the fair value of borrowings. Furthermore, the calculation takes into account the effect of paid upfront arrangement fees (measured at the exchange rate effective on the payment date), reducing financial liabilities under borrowings, which would potentially result in a change of PLN 2.6m/PLN (2.6)m in the fair value of borrowings, assuming a +/- 9.087% change of the USD/PLN exchange rate.



(PLNm)

The above deviations of carrying amounts in the złoty that are dependent on currency exchange rates were calculated on the basis of the implied annual exchange rate volatility for December 31st 2017, which was 9.087% for USD/PLN and 5.950% for EUR/PLN, as published by Reuters. The sensitivity analysis was performed with reference to the balance of instruments held as at December 31st 2017.

#### 27.4 Interest rate risk

The Parent is exposed to the risk of changes in cash flows caused by interest rate movements as interest income and interest expense related to certain assets and liabilities accrue based on floating interest rates, including in particular investment credit facilities under the 10+ Programme and the EFRA Project, as well as the financing and refinancing credit facility where the amount of interest is computed by reference to the floating LIBOR USD rate. The Parent manages the interest rate risk within the granted limits using interest rate swaps.

In a long-term perspective, a partial risk mitigation effect was achieved through the choice of a fixed interest rate for a tranche of the term facility contracted to finance the 10+ Programme.

#### Open interest rate contracts as at December 31st 2018:

Type of contract	Period	Notional amount (USD million)	Company receives	Financial assets	Financial liabilities
Interest rate swap (IRS)	Dec 2015–Jun 2019	2.5	6M LIBOR	0.1	-
Interest rate swap (IRS)	Jan 2015-Dec 2021	522.0	3M LIBOR	7.7	(7.1)
			Total	7.8	(7.1)

In the table above, IRS contracts are aggregated according to the currency of the notional amount and the reference rate. The 'Period' column shows the earliest start date and the latest end date of the period for contracts classified in a given group.

#### Open interest rate contracts as at December 31st 2017:

Type of contract	Period	Notional amount (USD million)	Company receives	Financial assets	Financial liabilities
Interest rate swap (IRS)	Jul 2011-Jun 2019	207.5	6M LIBOR	0.1	(19.8)
Interest rate swap (IRS)	Jan 2015-Dec 2021	494.0	3M LIBOR	9.2	(8.0)
			Total	9.3	(27.8)

In the table above, IRS contracts are aggregated according to the currency of the notional amount and the reference rate. The 'Period' column shows the earliest start date and the latest end date of the period for contracts classified in a given group.

### 27.4.1 Sensitivity analysis: market risk related to interest rate movements

### Analysis of the Group's sensitivity to interest rate risk as at December 31st 2018, assuming a +/- 0.26% change in interest rates

December 31st 2018		Carrying	Change	
	Note	amount	+0.26%	-0.26%
Classes of financial instruments				
Financial assets				
Derivative financial instruments (2)	23	7.8	3.4	(3.4)
Cash and cash equivalents	17	1,941.3	5.0	(5.0)
Other financial assets:		506.0	1.3	(1.3)
Oil and Gas Extraction Facility Decommissioning Fund	15	38.7	0.1	(0.1)
Deposits	15	33.9	0.1	(0.1)
Cash pledged as security for contractual obligations related to future asset decommissioning	15	430.6	1.1	(1.1)
Cash for removal of the MOPU from the YME field	15	2.8	-	-
Total		2,455.1	9.7	(9.7)
Financial liabilities				
Bank borrowings	22.1	3,421.2	7.7 (1)	(7.7) (1)
Non-bank borrowings	22.2	55.8	0.1	(0.1)
Notes	22.3	227.0	0.6	(0.6)
Finance lease liabilities	22.4	180.0	0.5	(0.5)
Derivative financial instruments (2)	23	7.1	(0.7)	0.7
Total		3,891.1	8.2	(8.2)

<sup>(1)</sup> Net of fixed-rate borrowings and paid arrangement fees reducing liabilities under borrowings.

<sup>&</sup>lt;sup>(2)</sup> Interest rate swap (IRS). The difference between the change in the valuation amount, when the interest rate curve moves up or down 0.26%, arises at the time of calculating and discounting future cash flows (relating to the contract settlement) as at the valuation date. The cash flows are discounted at different interest rates (in the first case the interest rate curve movement increases the interest rate by 0.26%, in the second case it reduces the interest rate by 0.26%).



(PLNm)

#### Analysis of the Group's sensitivity to interest rate risk as at December 31st 2017, assuming a +/- 0.30% change in interest rates

December 31st 2017		Carrying	Change	)
	Note	amount	+0.30%	-0.30%
Classes of financial instruments				
Financial assets				
Derivative financial instruments (2)	23	9.3	7.3	(7.4)
Cash and cash equivalents	17	1,920.7	5.8	(5.8)
Other financial assets:		334.1	1.0	(1.0)
Oil and Gas Extraction Facility Decommissioning Fund	15	34.1	0.1	(0.1)
Deposits	15	37.0	0.1	(0.1)
Cash pledged as security for contractual obligations related to future asset decommissioning	15	207.9	0.6	(0.6)
Cash for removal of the MOPU from the YME field	15	55.1	0.2	(0.2)
Total		2,264.1	14.1	(14.2)
Financial liabilities				
Bank borrowings	22.1	3,903.0	10.0 (1)	(10.0) (1)
Non-bank borrowings	22.2	68.3	0.2	(0.2)
Notes	22.3	313.0	0.9	(0.9)
Finance lease liabilities	22.4	141.6	0.4	(0.4)
Derivative financial instruments (2)	23	27.8	(0.9)	0.9
Total		4,453.7	10.6	(10.6)

<sup>(1)</sup> Net of fixed-rate borrowings and paid arrangement fees reducing liabilities under borrowings.

The sensitivity analysis was performed for the instruments held as at December 31st 2018 and December 31st 2017. The effect of the interest rate changes on the fair value was examined assuming that the currency exchange rates remain unchanged. In the case of derivative instruments held as at December 31st 2018 and December 31st 2017, for the purpose of interest rate sensitivity analysis the interest rate curve was moved up or down by the historical annual volatility for December 31st 2018 and December 31st 2017, calculated based on historical volatility data for interest rates on interest rate swaps expiring in one year, as published by Reuters.

## 27.5 Liquidity risk

The liquidity risk management process at the Group consists in monitoring projected cash flows and the portfolio of financial assets and liabilities, matching maturities of the assets and liabilities, analysing working capital, and optimising cash flows within the Group. This process requires that units operating in different business areas closely cooperate in activities undertaken in order to ensure safe and effective allocation of the liquidity.

The majority of the Group's Polish subsidiaries participate in a physical cash pooling arrangement, whereby the Parent manages the structure on an on-going basis to optimise liquidity and interest balances.

In the period covered by the budget, liquidity is monitored on an ongoing basis across the Group as part of financial risk management. In the mid- and long term, it is monitored as part of the planning process, which helps to develop a long-term financial strategy.

In the area of financial risk, in addition to active management of market risk, the Group observes the following liquidity management rules:

- no margins in derivative financial instrument trading on the OTC market,
- limited possibility of early termination of financial transactions,
- limits for low-liquidity spot financial instruments,
- credit limits for counterparties in financial and trade transactions,
- ensuring adequate quality and diversification of available financing sources,
- internal control processes and organisational efficiency facilitating prompt contingency response.

Below are presented contractual maturities of financial liabilities as at December 31st 2018 and December 31st 2017:

<sup>(2)</sup> Interest rate swap (IRS). The difference between the change in the valuation amount, when the interest rate curve moves up or down 0.30%, arises at the time of calculating and discounting future cash flows (relating to the contract settlement) as at the valuation date. The cash flows are discounted at different interest rates (in the first case the interest rate curve movement increases the interest rate by 0.30%, in the second case it reduces the interest rate by 0.30%).



(PLNm)

#### Contractual maturities of financial liabilities:

		Carrying	Contractual	Up to 6 months	6 – 12 months	1-2 years	2-5 years	Over 5 years
December 31st 2018	Note	amount	cash flows	· ·		•	•	•
Bank borrowings (other than overdraft facilities)	22.1	3,418.2	4,340.4	162.4	1,375.7	929.5	1,853.0	19.8
Overdraft facilities	22.1	3.0	3.0	3.0	-	-	-	-
Non-bank borrowings	22.2	55.8	60.2	8.1	7.9	15.7	27.5	1.0
Notes	22.3	227.0	238.0	238.0	-	-	-	-
Finance lease liabilities	22.4	180.0	261.0	26.7	29.9	50.8	110.5	43.1
Trade payables	25	1,913.7	1,913.7	1,913.7	-	-	-	-
Other financial liabilities	25	279.5	279.5	244.5	8.9	7.4	7.0	11.7
Total		6,077.2	7,095.8	2,596.4	1,422.4	1,003.4	1,998.0	75.6
December 31st 2017								
Bank borrowings (other than overdraft facilities)	22.1	3,902.9	4,624.0	89.8	1,164.4	906.5	1,968.4	494.9
Overdraft facilities	22.1	0.1	0.1	0.1	-	-	-	-
Non-bank borrowings	22.2	68.3	69.4	6.5	58.1	0.9	2.2	1.7
Notes	22.3	313.0	306.1	306.1	-	-	-	-
Finance lease liabilities	22.4	141.6	179.0	28.7	28.7	53.2	68.4	-
Trade payables	25	2,201.7	2,201.7	2,196.5	5.2	-	-	-
Other financial liabilities	25	222.0	222.0	188.0	7.4	3.3	7.8	15.5
Total		6,849.6	7,602.3	2,815.7	1,263.8	963.9	2,046.8	512.1

#### Contractual maturities of derivative financial instruments:

December 31st 2018	Note	Carrying amount*	Contractual cash flows	Up to 6 months	6 – 12 months	1–2 years	2-5 years	Over 5 years
Commodity swap		(7.8)	(8.4)	3.3	(6.9)	(4.7)	(0.1)	-
Currency forward and spot contracts	23	(21.8)	(22.0)	(16.1)	(5.9)	-	-	-
Interest rate swap (IRS)	23	0.7	0.8	(3.6)	3.0	(0.2)	1.6	-
Currency swap		(1.0)	(0.9)	(0.9)	-	-	-	-
Total		(29.9)	(30.5)	(17.3)	(9.8)	(4.9)	1.5	-
December 31st 2017								
Commodity swap		30.9	31.3	10.6	20.1	0.6	-	-
Commodity options		-	-	-	-	-	-	-
Currency forward and spot contracts	23	3.6	3.7	(0.4)	4.1	-	-	-
Interest rate swap (IRS)		(18.5)	(18.6)	(21.5)	7.1	(5.9)	1.7	-
Currency swap		69.1	69.1	62.9	3.2	3.0	-	-
Total		85.1	85.5	51.6	34.5	(2.3)	1.7	-

<sup>\*</sup>Carrying amount (fair value gains on derivative financial instruments plus fair value losses on derivative financial instruments) represents the fair value of derivative financial instruments disclosed in the statement of financial position (excluding CO<sub>2</sub> emission allowance futures purchased with the intention of settlement through physical delivery).



(PLNm)

#### 27.6 Credit risk

Management of credit risk related to counterparties in financial transactions consists in the verification of creditworthiness of the current and potential counterparties and monitoring of credit exposures against the granted limits.

The credit exposure is attributable to bank deposits and derivatives measurement.

The counterparties must have an appropriate credit rating assigned by leading rating agencies or hold guarantees from institutions meeting the minimum rating requirement. The Group enters into financial transactions with reputable firms with sound credit standing, and diversifies the group of institutions with which it maintains relationships.

As at December 31st 2018 and December 31st 2017, the concentration of credit risk exposure to any single counterparty in the Group's financial transactions did not exceed PLN 542.7m and PLN 845.7m, respectively (5.44% and 9.51% of the Parent's equity, respectively).

As regards management of counterparty risk in non-financial transactions, all customers who request trading on credit terms are subject to credit assessment, whose results determine the level of possible credit limits. In 2017, the Parent completed development of a rating model which supports assigning credit limits to counterparties. The Parent defines guidelines for managing counterparty risk in non-financial transactions to ensure that appropriate standards of credit analysis and operational security are observed across the entire Group.

As at December 31st 2018 and December 31st 2017, the concentration of credit risk exposure to any single counterparty in the Group's trade transactions did not exceed PLN 116.4m and PLN 530.5m, respectively (1.17% and 5.97% of the Parent's equity, respectively).

Credit risk is measured by the maximum exposure to risk of each class of financial assets. Carrying amounts of financial assets represent the maximum credit risk exposure.

Maximum credit risk exposure of financial assets	Note	December 31st 2018	December 31st 2017
Derivative financial instruments	23	24.4	164.5
Trade receivables	15	1,880.4	2,677.0
Cash and cash equivalents	17	1,941.3	1,920.7
Other financial assets	15	710.7	459.6
Total		4,556.8	5,221.8

In the Management Board's opinion, the risk related to non-performing financial assets is reflected in the recognised impairment losses. For information on impairment of financial assets, see Notes 9.4 and 15.1.

For discussion of credit risk concentrations for trade receivables, see Note 15.1. For ageing analysis of receivables past due but not impaired, see Note 15.1.

## 28. Capital management

The objective of the LOTOS Group financial policy is to maintain long-term liquidity, while using an appropriate level of financial leverage to support the achievement of the principal objective of maximising the return on equity for shareholders.

This is achieved through constant effort to develop the desired capital structure at the Group level.

The LOTOS Group uses the debt to equity ratio, calculated as net debt to equity, to monitor its financing structure.

Net debt comprises bank and non-bank borrowings, notes and liabilities under finance leases less cash and cash equivalents. Equity includes equity attributable to owners of the Parent plus non-controlling interests.

	Note	December 31st 2018	December 31st 2017
Non-current liabilities			
Bank borrowings	22.1	2,158.1	2,633.6
Non-bank borrowings	22.2	42.2	4.4
Notes	22.3	-	-
Finance lease liabilities	22.4	145.0	100.3
Total		2,345.3	2,738.3
Current liabilities			
Bank borrowings	22.1	1,263.1	1,269.4
Non-bank borrowings	22.2	13.6	63.9
Notes	22.3	227.0	313.0
Finance lease liabilities	22.4	35.0	41.3
Total		1,538.7	1,687.6
Cash and cash equivalents	17	(1,941.3)	(1,920.7)
Net debt		1,942.7	2,505.2
Equity attributable to owners of the Parent		12,034.7	10,712.4
Non-controlling interests		0.1	0.1
Total equity		12,034.8	10,712.5
Net debt to equity		0.16	0.23



(PLNm)

#### 29. Contingent liabilities and assets

#### 29.1 Material court, arbitration and administrative proceedings and other risks to the Parent or its subsidiaries

#### Material court proceedings to which the Parent is a party

There were no significant changes with respect to pending material court, arbitration, and administrative proceedings or with respect to other risks to the Company or its subsidiaries in the period between the end of the previous financial year, i.e. December 31st 2017, and the date of issue of these financial statements. For information on pending material proceedings, see Note 30.1 to the consolidated financial statements for 2017.

#### Tax settlements

In 2015, the Company's VAT settlements for 2010–2011 were subject to two inspections by tax inspection authorities. On June 23rd 2015, the Company received post-inspection reports and challenged some of the findings contained in the reports. On September 30th 2015, the Company received two decisions issued by the Director of the Tax Audit Office in Bydgoszcz, in which the Tax Audit Office assessed the VAT amount payable by the Company for the period from January to December 2010 and from January to December 2011, identifying VAT arrears of PLN 48.4m for 2010 and PLN 112.5m for 2011. In these decisions, the Director of the Tax Audit Office stated that certain transactions with two of the Company's trade partners had involved fraudulent tax practices, arguing that the Company had failed to exercise due care in executing transactions with those trade partners and that it should at least have been aware that the transactions were connected to and resulted from a tax fraud committed at an earlier stage, and therefore the Company had no right to make VAT deductions. Having reviewed the decisions, the Company dismissed the allegations of the Director of the Tax Audit Office as entirely groundless and on October 14th 2015 filed an appeal with the Director of the Tax Chamber in Gdańsk. The Director of the Tax Chamber in Gdańsk upheld the decisions of the Director of the Tax Audit Office in Bydgoszcz, whereas the complaint lodged by the Company with the Provincial Administrative Court in the first half of 2016 was dismissed. In Q3 2016, the Company lodged cassation complaints with the Supreme Administrative Court dismissed the Company's VAT liability for the individual months of 2011. The date of a hearing concerning VAT for the individual months of 2010 was set for March 27th 2019. In connection with other VAT inspections, provisions for tax risk were recognised, as presented in Notes 9.4 and 9.6.

#### Agreement to which LOTOS Exploration and Production Norge AS is a party

LOTOS Exploration and Production Norge AS ("LOTOS E&P Norge AS") was a party to proceedings held before an arbitration court in Norway in connection with claims filed by Single Buoy Moorings Inc. ("SBM"), the supplier of the MOPU (Mobile Offshore Production Unit) for operation of the YME field, against Talisman Energy Norge AS, the operator of the YME field ("Talisman", "Operator") and the other YME licence holders. The share of SBM's claims attributable to LOTOS E&P Norge AS was 20%.

In 2013, Talisman Energy Norge AS ("Talisman", the then operator of the YME field) and Single Buoy Moorings Inc. ("SBM", owner of the MOPU) announced that an agreement was reached to terminate all existing contracts and agreements executed by the parties in connection with the YME project and remove the defective MOPU from the YME field.

SBM paid USD 470m to the consortium members, and Talisman Energy, on behalf of the licence holders, agreed to make the necessary preparations and remove the platform from the field. Under the agreement, SBM was responsible for towing the MOPU to the port and its scrapping, whereas following completion of certain works, the ownership of elements of the YME field in situ subsea infrastructure delivered by SBM should be transferred to the consortium members, who would be required to perform site restoration (and disassembly) activities related to the subsea infrastructure. Each of the parties will cover the costs of its scope of decommissioning work as set out in the agreement.

In accordance with the agreement made with SBM, the balance of the Group's share in the amount due to the consortium members under the agreement (USD 81.8m) was transferred to the YME project escrow account, to be gradually released to finance the removal of the MOPU and related infrastructure from the field, in accordance with the agreement.

On August 22nd 2016, the YME project partners completed evacuation of the defective MOPU from the field. In Q1 2017, the caisson (element of the subsea infrastructure) was inspected. As a result of the inspection it was found that the caisson can stand without additional support until 2019 (provided that it is inspected on a semi-annual basis and its condition remains unimpaired).

As at December 31st 2018, available cash deposited in the escrow account, denominated in the presentation currency, was recognised in the amount of PLN 2.8m under Other assets in the statement of financial position. The remaining provision for future costs of removal of the MOPU and disassembly of the related fixed assets amounted to PLN 2.4m and was recognised under the short-term portion of Other liabilities and provisions.

On August 11th 2017, SBM Offshore confirmed the conclusion of an agreement with a majority of MOPU insurers to settle insurance claims relating to the faulty execution of the MOPU. On September 10th 2018, SBM announced that the insurance claim concerning the YME project was fully and finally settled. The gross amount received by SBM as insurance compensation was USD 390m. The share of LOTOS E&P Norge AS (net of the cost of legal services and other expenses) is expected at USD 30.7m. The Group recognised its share in the compensation under Other income, in the amount of PLN 118.3m.



(PLNm)

### Dispute between LOTOS Kolej Sp. z o.o. and Newag S.A.

In December 2017, Newag S.A. indicated its readiness to deliver five Griffin locomotives produced under lease contracts concluded on December 23rd 2015 with LOTOS Kolej Sp. z o.o. However, as permits to operate these locomotives were subject to certain restrictions, LOTOS Kolej Sp. z o.o. refused to accept them and called on Newag S.A. to provide permits enabling their operation without any restrictions. In connection with the company's refusal to accept the locomotives, on January 26th 2018 Newag S.A. terminated its contract with LOTOS Kolej Sp. z o.o. with immediate effect, arguing that the locomotives were in conformity with the contract and permitted to be used in the area of operation – but excluding the core network. In the Management Board's opinion, the termination was not effective and the risk of imposition of contractual penalties on LOTOS Kolej Sp. z o.o. was low, therefore no provisions were recognised consolidated financial statements. On February 28th 2019, a settlement was reached before a mediator, waiving all risks and counterclaims of the parties in connection with the termination of the lease contracts. The settlement supersedes the previous agreements and re-defines the rights and obligations of the parties.

In the twelve months ended December 31st 2018, there were no material settlements under court or other proceedings, save for those presented above.

#### 29.2 Other contingent liabilities

In the period between the end of the previous financial year, i.e. December 31st 2017, and the date of issue of these financial statements, there were no changes in the Company's or its subsidiaries' other material contingent liabilities.

### 30. Related parties

### 30.1 Transactions with related entities in which the Group holds equity interests

Equity-accounted joint ventures		2018	2017
Sales		635.5	431.4
Purchases		26.7	-
	Michigan	December 24e4 2040	Danasa
	Note	December 31st 2018	December 31st 2017
Receivables	<b>Note</b> 15	23.1	34.5

In 2018 and 2017, material transactions were made by the Group with LOTOS-Air BP Polska Sp. z o.o. and involved mainly sale of aviation fuel. The aggregate value of the transactions made in 2018 was PLN 635.4m (2017 PLN 431.3m). As at December 31st 2018, the balance of outstanding receivables under these transactions was PLN 23.1m (December 31st 2017: PLN 34.5m).

In 2018, the Group also executed transactions with UAB Minijos Nafta, for a total amount of PLN 26.7m. The transactions involved purchase of crude oil. As at December 31st 2018, the balance of outstanding payables under those transactions was PLN 5.2m. In the comparative period, the Group did not enter into any material transactions with UAB Minijos Nafta.

For general information on joint ventures in which the Group holds interests, see Note 14.

## 30.2 Entity having control of the Group

As at December 31st 2018 and December 31st 2017, the State Treasury held a 53.19% interest in Grupa LOTOS S.A. In 2017 and 2018, no transactions were concluded between Grupa LOTOS S.A. and the State Treasury.

## 30.2.1 Transactions with related entities of which the State Treasury has control or joint control or on which the State Treasury has significant influence

In 2018 and 2017, the Group executed transactions with parties related to it through the State Treasury, the aggregate value of which was material. They were concluded on an arm's length basis in the course of the Group's day-to-day operations and involved mainly purchase and sale of fuels, purchase of crude oil and natural gas, and transport services.

	2018	2017
Sales	661.2	394.0
Purchases	1,922.7	1,587.5
	December 31st 2018	December 31st 2017
Receivables	47.4	82.9
Liabilities	202.8	263.4

In addition, the Group has liabilities under bank borrowings, non-bank borrowings, notes and finance leases towards banks and financial institutions of which the State Treasury has control or joint control or over which it exercises significant influence. These entities include PKO BP S.A., PEKAO S.A., Bank Gospodarstwa Krajowego and Agencja Rozwoju Przemysłu S.A.

	December 31st 2018	December 31st 2017
Bank borrowings	1,304.7	1,039.3
Non-bank borrowings	55.8	68.3
Notes	227.0	201.7
Finance lease liabilities	20.3	27.4
Total	1,607.8	1,336.7



(PLNm)

## 30.3 Remuneration of members of the Management and Supervisory Boards, along with information on loans and other similar benefits granted to members of the management and supervisory staff

Remuneration paid to members of the Parent's Management and Supervisory Boards	2018	2017
Management Board		
Short-term employee benefits (salaries), including:	3.08	3.96
Mateusz Bonca	0.71	0.60
Piotr Ciach	0.12	-
Patryk Demski	0.37	-
Marcin Jastrzębski <sup>(1)</sup>	0.59	0.72
Jarosław Kawula	0.69	0.61
Robert Sobków	0.35	-
Jarosław Wittstock	0.16	-
Mariusz Machajewski <sup>(2)</sup>	0.09	0.73
Paweł Olechnowicz	-	0.30
Marek Sokołowski <sup>(3)</sup>	-	0.28
Maciej Szozda <sup>(3)</sup>	-	0.05
Zbigniew Paszkowicz <sup>(3)</sup>	-	0.28
Robert Pietryszyn <sup>(3)</sup>	-	0.13
Przemysław Marchlewicz <sup>(4)</sup>	-	0.26
Management Board – subsidiaries (5)		
Short-term employee benefits (salaries), including:	-	0.33
Mateusz Bonca	-	0.09
Marcin Jastrzębski	-	0.09
Mariusz Machajewski	-	0.15
Supervisory Board		
Short-term employee benefits (salaries), including:	0.60	0.56
Piotr Ciach	0.07	0.08
Dariusz Figura	0.08	0.08
Mariusz Golecki	0.08	0.08
Beata Kozłowska-Chyła	0.10	0.09
Katarzyna Lewandowska	0.08	0.08
Adam Lewandowski	0.08	0.07
Grzegorz Rybicki	0.03	-
Agnieszka Szklarczyk-Mierzwa	0.08	0.08
Katarzyna Lewandowska	-	0.00
Maria Sierpińska	-	0.00
Total <sup>(6)</sup>	3.68	4.85

Other employee benefits	December 31st 2018	December 31st 2017
Management Board		
Current liabilities under annual bonus <sup>(7)</sup> , including:	<b>3.26</b> <sup>(8)</sup>	1.40
Mateusz Bonca	0.90	0.43
Patryk Demski	0.30	-
Marcin Jastrzębski	0.58	0.46
Jarosław Kawula	1.01	0.51
Robert Sobków	0.30	-
Jarosław Wittstock	0.17	÷
Total	3.26	1.40

<sup>(1)</sup> Including a severance pay for termination of the employment contract and non-compete compensation paid in 2018.

In 2018 and 2017, the Group did not enter into any material transactions with any Management Board or Supervisory Board members, did not advance any loans, make any advance payments, issue any guarantees to or conclude any other agreements with any Management Board or Supervisory Board member which would be advanced, made, issued or concluded otherwise than on an arm's length basis or which would have material bearing on these financial statements.

Based on representations submitted by members of the Parent's Management and Supervisory Boards, in 2018 and 2017 Grupa LOTOS S.A was not aware of any transactions concluded with the Company or other LOTOS Group companies by the spouses, relatives, or relatives by affinity in the direct line up to the second degree, of members of the Management and Supervisory Boards or persons related to them through guardianship or adoption or other persons with whom they have personal relationships.

<sup>(2)</sup> In 2018, non-compete compensation was paid; the 2017 amount includes the severance pay paid for termination of the employment contract and the non-compete compensation.

<sup>(3)</sup> In 2017, non-compete compensation paid.

<sup>(4)</sup> Including a severance pay for termination of the employment contract and non-compete compensation paid in 2017.

<sup>(5)</sup> Remuneration paid to members of the Parent's Management Board for serving on corporate bodies of direct and indirect subsidiaries.

<sup>(6)</sup> The amount reflects changes in the composition of the Company's Management and Supervisory Boards.

<sup>(7)</sup> Pursuant to the Act on Rules of Remunerating Persons Who Manage Certain Companies. Payment of the annual bonus is conditional on the achievement of targets set for the Management Board members and consent of the Supervisory Board.

<sup>(8)</sup> The amount includes outstanding current liabilities under annual bonus for 2017.



(PLNm)

## 30.4 Remuneration paid or payable to other members of key management staff

Remuneration paid to members of key management staff (other than members of the Grupa LOTOS Management Board)	2018		2017	
Short-term employee benefits (salaries), including:	42.8		46.0	
- annual bonus paid	5.0	(1)	7.1	(2)
- length-of-service award paid	0.7		0.5	
Other employee benefits	December 31st 2018		December 31st 2017	
Post-employment benefits, length-of-service awards and other benefits	6.4		11.0	
Current liabilities under annual bonus	12.9		10.5	
Total	19.3		21.5	

 $<sup>^{(1)}</sup>$  Remuneration paid in 2018 on account of the annual bonus for 2017.

In 2018, the Group did not advance any loans to its key management staff. In the comparative period, the Group did not advance any material loans to its key management staff.

### 30.5 Transactions with related parties of members of the Management Board and the Supervisory Board

In 2018, the Group executed transactions with parties related to it through members of the Parent's Management Board and Supervisory Board. The transactions were connected with the Group's day-to-day operations and mainly involved purchase of civil liability insurance policies and property insurance policies for PLN 29.4m (2017: PLN 26.4m). As at December 31st 2018, unsettled transactions with parties related to the Group through members of the Management and Supervisory Boards totalled PLN 3.7m (December 31st 2017: PLN 0.9m).

Moreover, as at December 31st 2018, the Group disclosed liabilities under a loan in the amount of PLN 4.3m.

All transactions with parties related to the Group through members of the Management Board and the Supervisory Board were executed on an arm's length basis.

<sup>(2)</sup> Remuneration paid in 2017 on account of the annual bonus for 2016.



## LOTOS GROUP Consolidated financial statements for 2018

## AUTHORISATION OF THE CONSOLIDATED FINANCIAL STATEMENTS FOR ISSUE

These consolidated financial statements were authorised for issue by the Management Board on March 11th 2019.

Signatures of the Management Board members and the person responsible for keeping the accounting books of Grupa LOTOS S.A.

President of the Management Board	
	Mateusz Aleksander Bonca
Vice President of the Management Board, Chief Investment and Innovation Officer	
	Patryk Demski
Vice President of the Management Board, Chief Refining and Marketing Officer	
	Jarosław Kawula
Vice President of the Management Board, Corporate Affairs	
	Jarosław Wittstock
Vice President of the Management Board, Chief Financial Officer	
	Robert Sobków
Finance and Accounting Centre Director - Chief Accountant	
	Tomasz Południewski