

Macroeconomic parameters

Item	Q1 2013	Q2 2013	Q3 2013	Q4 2013	12 months 2013	Q1 2014	Q2 2014	Q3 2014	Q4 2014	12 months 2014	Q1 2015	Q2 2015	Q3 2015	Q4 2015	12 months 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	12 months 2016
Brent crude oil (USD/bbl)	113	102	110	109	109	108	110	102	77	99	54	62	50	44	52	34	46	46	49	44
Brent / URAL differential (USD/bbl)	1.7	0.7	0.2	1.4	1.0	1.4	2.2	1.8	1.5	1.7	1.7	1.5	1.5	2.7	1.8	2.7	2.6	2.4	2.2	2.5
WTI crude oil (USD/bbl)	94	94	106	100	99	99	103	98	74	94	49	58	46	42	49	34	46	45	49	44
Canadian Light Sweet crude oil (USD/bbl)	88	91	101	82	91	91	96	90	67	86	42	55	43	40	45	30	43	42	46	40
Henry Hub gas (USD/1000m ³)	123	142	125	136	132	183	163	140	133	155	102	97	97	75	93	72	78	103	110	91
Gas NGX AB-NIT (2A) (USD/1000m ³)	111	113	88	114	107	170	142	123	106	135	75	73	74	62	71	47	40	66	85	60
Model downstream margin (USD/bbl) ¹	12.4	12.1	9.5	9.0	10.7	9.5	10.4	12.9	12.6	11.4	12.6	15.1	15.5	12.0	13.8	11.7	12.2	11.0	12.0	11.7
Model refining margin (USD/bbl) ²	4.1	5.3	3.3	0.7	3.4	1.3	2.5	4.8	5.0	3.4	7.5	9.7	9.9	5.5	8.2	5.3	6.0	4.3	5.8	5.3
Model petrochemical margin (EUR/t) ³	737	729	719	736	730	756	741	782	844	781	746	1 035	1 113	960	968	998	982	957	906	960
Model olefin margin (EUR/t) ⁴	493	482	448	462	471	477	456	495	517	486	386	490	543	414	460	347	336	372	335	347
Quotation of margins (crack margins)																				
Refining products (USD/t) ⁵																				
Gasoline	186	187	176	120	167	145	195	193	135	167	140	215	212	140	177	143	170	125	131	142
Diesel oil	124	117	117	116	119	107	91	111	122	108	123	116	108	85	108	60	71	66	87	71
Light heating oil	106	94	94	102	99	95	78	95	104	93	109	104	97	72	96	52	63	61	78	64
Jet A-1 fuel	183	152	155	166	164	153	136	164	171	156	155	132	120	107	129	84	91	89	110	93
Heavy heating oil	-242	-198	-243	-253	-234	-251	-254	-215	-180	-225	-133	-147	-140	-147	-142	-122	-147	-119	-110	-125
SN 150	68	205	121	128	131	97	149	202	194	161	166	198	145	197	177	234	108	106	110	139
Petrochemical products (EUR/t) ⁵																				
Polyethylene ⁶	183	189	202	188	191	200	195	198	242	209	272	481	534	532	459	571	556	475	428	507
Polypropylene ⁶	307	297	297	292	298	304	314	331	363	328	371	527	539	539	496	561	556	512	487	529
Ethylene	643	594	577	608	605	603	562	604	588	589	505	619	671	604	602	606	605	619	608	610
Propylene	467	453	456	494	467	530	545	557	540	543	454	557	564	373	488	342	334	368	393	359
Toluene	320	292	195	190	249	218	206	276	276	244	161	228	299	230	231	227	237	167	176	201
Benzene	433	430	334	304	375	411	405	479	435	432	180	307	355	264	278	319	293	304	266	296
Butadiene	737	713	203	267	480	364	393	381	354	373	238	227	393	317	295	272	318	364	447	350
Paraxylene	602	527	473	475	519	420	295	369	443	382	336	411	481	427	416	459	438	431	396	431

1) Model downstream margin (MDM) = Revenues (90.7% Products = 22.8% Gasoline + 44.2% Diesel oil + 15.3% HHO + 1.0% SN 150 + 2.9% Ethylene + 2.1% Propylene + 1.2% Benzene + 1.2% PX) – Expenses (100% input = 6.5% Brent crude oil + 91.1% URAL crude oil + 2.4% natural gas).

2) Model refining margin = Revenues (Products (93.5%) = 36% Gasoline + 43% Diesel oil + 14.5% HHO) minus expenses (100% input: Brent crude oil and other raw materials valued at Brent crude); product prices based on USD/bbl quotations.

3) Model petrochemical margin = Revenues (98% Products = 44% HDPE + 7% LDPE + 35% PP homo + 12% PP copo) – products prices based on contract quotations minus expenses (100% input = 75% Naphtha + 25% LS VGO) – products prices based on spot quotations.

4) Model petrochemical margin of olefins = Revenues (100% Products = 50% Ethylene + 30% Propylene + 10% Benzene + 10% Toluene) – products prices based on contract quotations minus expenses (100% input = 75% Naphtha + 25% LS VGO); products prices based on quotations. Starting from 2016 Model petrochemical margin of olefins = Revenues (100% Products = 0.85*Ethylene*54% + 0.92*Propylene*28% + 0.84*Glycols*9% + 0.81*Butadiene*6% + 0.8*Ethylene Oxide*3%) minus expenses (100% Input = 100% Naftha); products prices based on quotations.

5) Margins (crack) for refining and petrochemical products (excluding polymers) calculated as difference between a quotation of given product and a quotation of Brent DTD crude oil.

6) Margin (crack) for polymers calculated as difference between quotations of polymers and monomers.

Exchange rates

Currency	Average exchange rates ¹⁾															Period end exchange rates ¹⁾																					
	Q1 2013	Q2 2013	Q3 2013	Q4 2013	12 months 2013	Q1 2014	Q2 2014	Q3 2014	Q4 2014	12 months 2014	Q1 2015	Q2 2015	Q3 2015	Q4 2015	12 months 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	12 months 2016	Q1 2013	Q2 2013	Q3 2013	Q4 2013	Q1 2014	Q2 2014	Q3 2014	Q4 2014	Q1 2015	Q2 2015	Q3 2015	Q4 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	
USD/PLN	3.15	3.22	3.21	3.08	3.16	3.06	3.04	3.15	3.37	3.15	3.72	3.70	3.77	3.90	3.77	3.96	3.87	3.89	4.06	3.94	3.26	3.32	3.12	3.01	3.03	3.05	3.30	3.51	3.81	3.76	3.78	3.90	3.76	3.98	3.86	4.18	
EUR/PLN	4.16	4.20	4.25	4.19	4.20	4.19	4.17	4.18	4.21	4.19	4.20	4.09	4.19	4.26	4.18	4.37	4.37	4.34	4.38	4.36	4.18	4.33	4.22	4.15	4.17	4.16	4.18	4.26	4.09	4.19	4.24	4.26	4.27	4.43	4.31	4.42	
CZK/PLN	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16
CAD/PLN	3.12	3.14	3.09	2.93	3.07	2.77	2.79	2.89	2.97	2.85	3.00	3.01	2.88	2.92	2.95	2.88	3.00	2.98	3.04	2.98	3.20	3.17	3.03	2.83	2.74	2.85	2.95	3.03	2.99	3.04	2.82	2.81	2.90	3.07	2.93	3.10	
CAD/USD	0.99	0.98	0.96	0.95	0.97	0.91	0.92	0.92	0.88	0.90	0.81	0.81	0.76	0.75	0.78	0.73	0.78	0.77	0.75	0.76	0.98	0.95	0.97	0.94	0.90	0.93	0.89	0.86	0.78	0.81	0.75	0.72	0.77	0.77	0.76	0.74	
USD/LTL	2.62	2.64	2.61	2.54	2.60	2.52	2.52	2.60	2.76	2.60	bd	bd	bd	bd	bd	bd	bd	bd	bd	bd	2.70	2.65	2.56	2.51	2.51	2.53	2.72	2.84	bd	bd	bd	bd	bd	bd	bd	bd	
EUR/LTL	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	bd	bd	bd	bd	bd	bd	bd	bd	bd	bd	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	bd	bd	bd	bd	bd	bd	bd	bd	
USD/CZK	19.4	19.8	19.5	19.6	19.5	20.0	20.0	20.8	22.1	20.8	24.6	24.8	24.4	24.7	24.6	24.5	23.9	24.2	25.1	24.4	20.1	19.8	19.1	19.9	19.9	20.1	21.9	22.8	25.6	24.3	24.3	24.8	23.8	24.4	24.2	25.6	
EUR/CZK	25.6	25.8	25.9	26.7	26.0	27.4	27.4	27.6	27.6	27.5	27.6	27.9	27.1	27.1	27.3	27.0	27.0	27.0	27.0	27.0	25.7	26.0	25.7	27.4	27.4	27.5	27.5	27.7	27.5	27.2	27.2	27.0	27.1	27.1	27.0	27.0	

¹⁾ Based on exchange rates published by NBP, Czech Republic National Bank and Bank of Lithuania (for the years 2013-2014).

Fuel consumption ¹⁾

Countries, (^{'000 tonnes})	Q1 2013	Q2 2013	Q3 2013	Q4 2013	12 months 2013	Q1 2014	Q2 2014	Q3 2014	Q4 2014	12 months 2014	Q1 2015	Q2 2015	Q3 2015	Q4 2015	12 months 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	12 months 2016
Poland	3 271	3 692	3 986	3 710	14 659	3 322	3 684	3 932	3 703	14 641	3 519	3 929	4 146	3 928	15 522	3 679	4 074	4 771	4 690	17 214
Gasoline	807	936	986	904	3 633	812	942	975	924	3 653	841	971	994	956	3 762	886	1 021	1 077	1 012	3 996
Diesel oil	2 464	2 756	3 000	2 806	11 026	2 510	2 742	2 957	2 779	10 988	2 678	2 958	3 152	2 972	11 760	2 793	3 053	3 694	3 677	13 217
Lithuania	251	351	381	320	1 303	303	373	412	378	1 466	315	402	412	363	1 493	323	480	477	420	1 700
Gasoline	44	56	57	50	207	46	50	57	52	205	44	54	59	48	205	45	60	64	51	219
Diesel oil	207	295	324	270	1 096	257	323	355	326	1 261	271	348	353	315	1 287	278	421	413	370	1 481
Czech Republic	1 252	1 442	1 519	1 495	5 708	1 311	1 493	1 602	1 530	5 936	1 380	1 548	1 649	1 538	6 115	1 395	1 617	1 715	1 564	6 291
Gasoline	352	405	414	399	1 570	350	411	426	390	1 577	352	413	419	392	1 576	354	418	432	397	1 601
Diesel oil	900	1 037	1 105	1 096	4 138	961	1 082	1 176	1 140	4 359	1 028	1 135	1 230	1 146	4 539	1 041	1 199	1 283	1 167	4 690
Germany	11 958	13 563	14 186	13 595	53 302	12 676	13 536	14 119	13 784	54 115	12 487	13 717	14 614	14 231	55 050	13 167	14 393	14 897	14 307	56 764
Gasoline	4 191	4 742	4 892	4 627	18 452	4 344	4 684	4 825	4 674	18 527	4 170	4 648	4 791	4 618	18 228	4 256	4 653	4 783	4 525	18 217
Diesel oil	7 767	8 821	9 294	8 968	34 850	8 332	8 852	9 294	9 110	35 588	8 317	9 069	9 823	9 613	36 822	8 911	9 741	10 114	9 781	38 547

¹⁾ Estimates prepared based on data of Agencja Rynku Energii S.A., Lithuanian Statistical Office, Czech Statistical Office and Association of the German Petroleum Industry.

EBITDA LIFO

Table with 36 columns representing quarterly and 12-month periods from 2013 to 2016. Rows include Refining, LIFO effect (Refining), Petrochemical (Petrochemical), Downstream, Retail, Upstream, and Corporate functions. EBITDA LIFO total is 910.

1) impairment allowances of assets according to IAS 36

Depreciation

Table with 36 columns representing quarterly and 12-month periods from 2013 to 2016. Rows include Refining, Petrochemical, Downstream, Retail, Upstream, and Corporate functions. Depreciation total is 523.

EBIT LIFO

Table with 36 columns representing quarterly and 12-month periods from 2013 to 2016. Rows include Refining, LIFO effect (Refining), Petrochemical (Petrochemical), Downstream, Retail, Upstream, and Corporate functions. EBITDA LIFO total is 387.

1) impairment allowances of assets according to IAS 36

Downstream Segment

Item, PLN million	Q1 2013 *	Q2 2013 *	Q3 2013 *	Q4 2013 *	12 months 2013 *	Q1 2014	Q2 2014	Q3 2014	Q4 2014	12 months 2014	Q1 2015	Q2 2015	Q3 2015	Q4 2015	12 months 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	12 months 2016
Segment revenues, including:	22 850	22 870	24 675	22 591	92 986	19 273	23 324	23 565	19 779	85 941	15 696	20 108	18 464	15 343	69 611	11 943	14 422	15 851	17 878	60 094
Sales revenues from external customers	19 264	18 931	20 188	18 664	77 047	15 718	19 293	19 273	16 265	70 549	12 880	16 564	15 060	12 483	56 987	9 838	11 655	12 961	14 748	49 202
Sales revenues from transactions with other segments	3 586	3 939	4 487	3 927	15 939	3 555	4 031	4 292	3 514	15 392	2 816	3 544	3 404	2 860	12 624	2 105	2 767	2 890	3 130	10 892
Segment expenses	(22 390)	(23 128)	(24 269)	(22 923)	(92 710)	(19 218)	(23 267)	(22 800)	(20 686)	(85 971)	(14 554)	(17 652)	(17 575)	(15 182)	(64 963)	(11 652)	(12 790)	(14 841)	(15 656)	(54 939)
Other operating income	43	53	18	74	188	255	45	63	105	468	60	83	53	80	276	163	690	423	688	1 964
Other operating expenses	(42)	(43)	(66)	(248)	(399)	(70)	(5 043)	(52)	(164)	(5 329)	(39)	(54)	(130)	(93)	(316)	(51)	(36)	(50)	(187)	(324)
Other operating income/expenses, net	1	10	(48)	(174)	(211)	185	(4 998)	11	(59)	(4 861)	21	29	(77)	(13)	(40)	112	654	373	501	1 640
Share in profit from investments accounted for under equity method	10	4	20	7	41	16	21	24	(3)	58	31	73	85	64	253	85	99	69	45	298
Operating profit/(loss) under LIFO increased by depreciation and amortisation (EBITDA LIFO) before impairment allowances	932	600	419	456	2 407	833	612	1 778	987	4 210	1 753	2 712	1 655	1 656	7 776	1 755	2 291	1 698	2 363	8 107
Operating profit/(loss) under LIFO increased by depreciation and amortisation (EBITDA LIFO)	932	600	419	456	2 407	821	(4 380)	1 766	941	(852)	1 741	2 703	1 549	1 647	7 640	1 749	2 288	1 693	2 595	8 325
Operating profit/(loss) increased by depreciation and amortisation (EBITDA)	879	161	781	(82)	1 739	644	(4 527)	1 110	(652)	(3 425)	1 504	2 872	1 215	539	6 130	812	2 697	1 780	3 121	8 410
Profit/(Loss) from operations under LIFO before impairment allowances	524	195	16	39	774	445	219	1 468	670	2 802	1 443	2 398	1 337	1 329	6 507	1 431	1 979	1 370	2 010	6 790
Profit/(Loss) from operations under LIFO	524	195	16	39	774	433	(4 773)	1 456	624	(2 260)	1 431	2 389	1 231	1 320	6 371	1 425	1 976	1 365	2 242	7 008
Profit/(Loss) from operations	471	(244)	378	(499)	106	256	(4 920)	800	(969)	(4 833)	1 194	2 558	897	212	4 861	488	2 385	1 452	2 768	7 093
CAPEX	196	338	457	605	1 596	475	1 105	597	537	2 714	401	453	448	940	2 242	784	957	997	795	3 533
Sales (thousand tonnes)	6 937	6 766	7 472	7 201	28 376	6 152	6 642	7 616	7 296	27 706	6 756	7 855	8 090	7 679	30 380	7 263	7 203	8 063	8 179	30 708

*) Restated data – change in consolidation method for Basell ORLEN Polyolefines Sp. z o.o. and Plocki Park Przemysłowo-Technologiczny S.A. in accordance with IFRS 11.

Retail Segment

Item, PLN million	Q1 2013 *	Q2 2013 *	Q3 2013 *	Q4 2013 *	12 months 2013 *	Q1 2014	Q2 2014	Q3 2014	Q4 2014	12 months 2014	Q1 2015	Q2 2015	Q3 2015	Q4 2015	12 months 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	12 months 2016
Segment revenues, including:	8 202	9 314	10 147	8 961	36 624	8 362	9 320	9 832	8 590	36 104	7 065	8 151	8 351	7 555	31 122	6 307	7 696	8 111	8 007	30 121
Sales revenues from external customers	8 167	9 273	10 102	8 920	36 462	8 320	9 272	9 778	8 543	35 913	7 050	8 132	8 333	7 537	31 052	6 264	7 588	7 992	7 997	29 841
Sales revenues from transactions with other segments	35	41	45	41	162	42	48	54	47	191	15	19	18	18	70	43	108	119	10	280
Segment expenses	(8 165)	(9 032)	(9 774)	(8 724)	(35 695)	(8 229)	(9 046)	(9 480)	(8 260)	(35 015)	(6 875)	(7 894)	(7 897)	(7 268)	(29 934)	(6 104)	(7 351)	(7 572)	(7 654)	(28 681)
Other operating income	15	42	9	24	90	35	29	10	108	182	14	9	12	15	50	14	22	12	39	87
Other operating expenses	(15)	(42)	(21)	(24)	(102)	(24)	(31)	(10)	(121)	(186)	(12)	(13)	(14)	(28)	(67)	(14)	(24)	(32)	(55)	(125)
Other operating income/expenses, net	0	0	(12)	0	(12)	11	(2)	0	(13)	(4)	2	(4)	(2)	(13)	(17)	0	(2)	(20)	(16)	(38)
Operating profit/(loss) increased by depreciation and amortisation (EBITDA) before impairment allowances	123	369	451	325	1 268	237	359	441	379	1 416	282	349	539	369	1 539	301	441	619	440	1 801
Operating profit/(loss) increased by depreciation and amortisation (EBITDA)	123	369	451	325	1 268	234	357	441	408	1 440	283	343	544	369	1 539	300	442	618	434	1 794
Profit/(Loss) from operations under LIFO before impairment allowances	37	282	361	237	917	147	274	352	288	1 061	191	259	447	274	1 171	204	342	520	343	1 409
Profit/(Loss) from operations	37	282	361	237	917	144	272	352	317	1 085	192	253	452	274	1 171	203	343	519	337	1 402
CAPEX	44	60	110	253	467	28	85	83	149	345	68	82	97	201	448	72	76	96	235	479
Sales (thousand tonnes)	1 659	1 933	2 052	1 872	7 516	1 763	1 957	2 088	1 968	7 776	1 839	1 983	2 133	2 031	7 986	1 910	2 054	2 171	2 052	8 187

*) Restated data – change in consolidation method for Basell ORLEN Polyolefines Sp. z o.o. and Plocki Park Przemysłowo-Technologiczny S.A. in accordance with IFRS 11.

Upstream Segment

Item, PLN million	Q1 2013 *	Q2 2013 *	Q3 2013 *	Q4 2013 *	12 months 2013 *	Q1 2014	Q2 2014	Q3 2014	Q4 2014	12 months 2014	Q1 2015	Q2 2015	Q3 2015	Q4 2015	12 months 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	12 months 2016	
Segment revenues, including:	0	1	0	16	17	55	68	91	84	298	52	61	49	53	215	92	97	115	138	442	
Sales revenues from external customers	0	1	0	16	17	55	68	91	84	298	52	61	49	53	215	92	97	115	138	442	
Sales revenues from transactions with other segments	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Segment expenses	(6)	(5)	(10)	(27)	(48)	(43)	(62)	(77)	(89)	(271)	(72)	(87)	(76)	(112)	(347)	(136)	(127)	(139)	(135)	(537)	
Other operating income	0	0	0	83	83	3	0	1	0	4	0	0	1	2	3	0	0	2	58	60	
Other operating expenses	0	0	0	(90)	(90)	(1)	(7)	0	(315)	(323)	0	(429)	0	(423)	(852)	0	(2)	(3)	(78)	(83)	
Other operating income/expenses, net	0	0	0	(7)	(7)	2	(7)	1	(315)	(319)	0	(429)	1	(421)	(849)	0	(2)	(1)	(20)	(23)	
Share in profit from investments accounted for under equity method																			(1)	0	(1)
Operating profit/(loss) increased by depreciation and amortisation (EBITDA) before impairment allowances	(6)	(3)	(9)	(14)	(32)	31	27	52	42	152	14	13	10	7	44	27	42	58	128	255	
Operating profit/(loss) increased by depreciation and amortisation (EBITDA)	(6)	(3)	(9)	(14)	(32)	31	19	52	(272)	(170)	14	(416)	10	(416)	(808)	27	40	59	56	182	
Profit/(Loss) from operations before impairment allowances	(6)	(4)	(10)	(18)	(38)	14	7	15	(6)	30	(20)	(26)	(26)	(57)	(129)	(44)	(30)	(27)	55	(46)	
Profit/(Loss) from operations	(6)	(4)	(10)	(18)	(38)	14	(1)	15	(320)	(292)	(20)	(455)	(26)	(480)	(981)	(44)	(32)	(26)	(17)	(119)	
CAPEX	55	105	58	86	304	127	54	178	140	499	76	21	98	93	288	126	180	94	125	525	
Sales (thousand tonnes)	0	0	0	17	17	41	50	80	87	258	71	83	75	81	310	136	131	144	147	558	

*) Restated data – change in consolidation method for Basell ORLEN Polyolefines Sp. z o.o. and Plocki Park Przemysłowo-Technologiczny S.A. in accordance with IFRS 11.

Corporate Functions

Item, PLN million	Q1 2013 *	Q2 2013 *	Q3 2013 *	Q4 2013 *	12 months 2013 *	Q1 2014	Q2 2014	Q3 2014	Q4 2014	12 months 2014	Q1 2015	Q2 2015	Q3 2015	Q4 2015	12 months 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	12 months 2016
Segment revenues, including:	76	81	73	84	314	81	77	80	73	311	67	72	77	72	288	84	88	91	88	351
Sales revenues from external customers	19	16	14	22	71	26	18	18	10	72	23	19	26	14	82	19	15	15	19	68
Sales revenues from transactions with other segments	57	65	59	62	243	55	59	62	63	239	44	53	51	58	206	65	73	76	69	283
Segment expenses	(248)	(277)	(251)	(302)	(1 078)	(244)	(263)	(240)	(260)	(1 007)	(219)	(251)	(220)	(281)	(971)	(258)	(277)	(259)	(278)	(1 072)
Other operating income	15	78	76	41	210	10	55	12	35	112	7	24	9	51	91	21	6	7	19	53
Other operating expenses	(11)	(56)	(26)	(30)	(123)	(7)	(37)	(17)	(25)	(86)	(11)	(38)	(33)	(37)	(119)	(16)	(22)	(10)	(128)	(176)
Other operating income/expenses, net	4	22	50	11	87	3	18	(5)	10	26	(4)	(14)	(24)	14	(28)	5	(16)	(3)	(109)	(123)
Share in profit from investments accounted for under equity method	0	0	0	(1)	(1)	0	0	(1)	0	(1)	0	0	0	0	0	0	0	0	0	0
Operating profit/(loss) increased by depreciation and amortisation (EBITDA) before impairment allowances	(139)	(147)	(96)	(175)	(557)	(133)	(142)	(142)	(148)	(565)	(139)	(172)	(144)	(166)	(621)	(146)	(180)	(149)	(276)	(751)
Operating profit/(loss) increased by depreciation and amortisation (EBITDA)	(139)	(147)	(96)	(175)	(557)	(133)	(142)	(142)	(148)	(565)	(139)	(172)	(144)	(171)	(626)	(146)	(180)	(146)	(272)	(744)
Profit/(Loss) from operations before impairment allowances	(168)	(174)	(128)	(208)	(678)	(160)	(168)	(166)	(177)	(671)	(156)	(193)	(167)	(190)	(706)	(169)	(205)	(174)	(303)	(851)
Profit/(Loss) from operations	(168)	(174)	(128)	(208)	(678)	(160)	(168)	(166)	(177)	(671)	(156)	(193)	(167)	(195)	(711)	(169)	(205)	(171)	(299)	(844)
CAPEX	9	32	19	57	117	54	108	22	46	230	38	26	79	62	205	20	35	20	61	136

*) Restated data – change in consolidation method for Basell ORLEN Polyolefines Sp. z o.o. and Plocki Park Przemysłowo-Technologiczny S.A. in accordance with IFRS 11.

Consolidated statement of profit or loss and other comprehensive income

Item, PLN million	Q1 2013 *	Q2 2013 *	Q3 2013 *	Q4 2013 *	12 months 2013 *	Q1 2014	Q2 2014	Q3 2014	Q4 2014	12 months 2014	Q1 2015	Q2 2015	Q3 2015	Q4 2015	12 months 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	12 months 2016	
Statement of profit or loss																					
Sales revenues	27 450	28 221	30 304	27 622	113 597	24 119	28 651	29 160	24 902	106 832	20 005	24 776	23 468	20 087	88 336	16 213	19 355	21 083	22 902	79 553	
Cost of sales	(25 834)	(27 068)	(28 381)	(26 570)	(107 853)	(22 821)	(27 163)	(26 785)	(24 241)	(101 010)	(17 523)	(20 880)	(20 973)	(18 416)	(77 792)	(14 574)	(16 223)	(18 349)	(19 077)	(68 223)	
Gross profit on sales	1 616	1 153	1 923	1 052	5 744	1 298	1 488	2 375	661	5 822	2 482	3 896	2 495	1 671	10 544	1 639	3 132	2 734	3 825	11 330	
Distribution expenses	(943)	(957)	(998)	(985)	(3 883)	(915)	(971)	(1 021)	(1 013)	(3 920)	(934)	(986)	(990)	(1 061)	(3 971)	(1 001)	(1 004)	(1 054)	(1 066)	(4 125)	
Administrative expenses	(354)	(372)	(334)	(391)	(1 451)	(346)	(366)	(383)	(417)	(1 512)	(388)	(402)	(332)	(430)	(1 552)	(362)	(370)	(323)	(371)	(1 426)	
Other operating income	73	173	103	222	571	303	129	86	248	766	81	116	75	148	420	198	718	444	803	2 163	
Other operating expenses	(68)	(141)	(113)	(392)	(714)	(102)	(5 118)	(79)	(625)	(5 924)	(62)	(534)	(177)	(581)	(1 354)	(81)	(84)	(95)	(447)	(707)	
Share in profit from investments accounted for under equity method	10	4	20	6	40	16	21	23	(3)	57	31	73	85	64	253	85	99	68	45	297	
Profit/(Loss) from operations	334	(140)	601	(488)	307	254	(4 817)	1 001	(1 149)	(4 711)	1 210	2 163	1 156	(189)	4 340	478	2 491	1 774	2 789	7 532	
Finance income	117	105	376	178	460	48	34	132	140	354	89	70	101	130	390	45	54	194	123	248	
Finance costs	(338)	(230)	(171)	(187)	(610)	(148)	(947)	(389)	(405)	(1 899)	(255)	(282)	(202)	(283)	(1 032)	(89)	(509)	(41)	(422)	(893)	
Net finance income and costs	(221)	(125)	205	(9)	(150)	(100)	(913)	(257)	(265)	(1 535)	(176)	(212)	(101)	(153)	(642)	(44)	(455)	153	(299)	(645)	
Profit/(Loss) before tax	113	(265)	806	(497)	157	154	(5 730)	744	(1 414)	(6 246)	1 034	1 951	1 055	(342)	3 698	434	2 036	1 927	2 490	6 887	
Tax expense	32	36	(154)	19	(67)	(28)	340	(129)	235	418	(166)	(402)	(170)	273	(465)	(98)	(244)	(358)	(447)	(1 147)	
Net profit/(loss)	145	(229)	652	(478)	90	126	(5 390)	615	(1 179)	(5 828)	868	1 549	885	(69)	3 233	336	1 792	1 569	2 043	5 740	
Items of other comprehensive income:																					
which will not be reclassified into profit or loss	(7)	(2)	(1)	4	(6)	0	0	0	(16)	(16)	0	0	0	3	3	0	0	0	(4)	(4)	
<i>fair value measurement of investment property as at the date of reclassification</i>	(9)	(2)	(1)	0	(12)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
<i>actuarial gains and losses</i>	0	0	0	4	4	0	0	0	(20)	(20)	0	0	0	4	4	0	0	0	(10)	(10)	
<i>deferred tax</i>	2	0	0	0	2	0	0	0	4	4	0	0	0	(1)	(1)	0	0	0	0	0	
which were or will be reclassified into profit or loss	120	73	(48)	(339)	(194)	(65)	590	(67)	(1 113)	(655)	100	210	809	208	1 327	(120)	257	(80)	164	221	
<i>hedging instruments</i>	23	(109)	188	158	260	(100)	(125)	(100)	(1 433)	(1 758)	296	28	1 008	198	1 530	(131)	(213)	277	(329)	(396)	
<i>foreign exchange differences on subsidiaries from consolidation</i>	101	162	(201)	(467)	(405)	16	691	14	48	769	(140)	188	(7)	47	88	(14)	430	(300)	426	542	
<i>deferred tax</i>	(4)	20	(35)	(30)	(49)	19	24	19	272	334	(56)	(6)	(192)	(37)	(291)	25	40	(57)	67	75	
Total items of other comprehensive income	113	71	(49)	(335)	(200)	(65)	590	(67)	(1 129)	(671)	100	210	809	211	1 330	(120)	257	(80)	160	217	
Total net comprehensive income	258	(158)	603	(813)	(110)	61	(4 800)	548	(2 308)	(6 499)	968	1 759	1 694	142	4 563	216	2 049	1 489	2 203	5 957	
Net profit/(loss) attributable to	145	(229)	652	(478)	90	126	(5 390)	615	(1 179)	(5 828)	868	1 549	885	(69)	3 233	336	1 792	1 569	2 043	5 740	
<i>equity owners of the parent</i>	149	(207)	655	(421)	176	64	(5 197)	538	(1 216)	(5 811)	756	1 367	795	(81)	2 837	337	1 608	1 527	1 789	5 261	
<i>non-controlling interest</i>	(4)	(22)	(3)	(57)	(86)	62	(193)	77	37	(17)	112	182	90	12	396	(1)	184	42	254	479	
Total net comprehensive income attributable to	258	(158)	603	(813)	(110)	61	(4 800)	548	(2 308)	(6 499)	968	1 759	1 694	142	4 563	216	2 049	1 489	2 203	5 957	
<i>equity owners of the parent</i>	277	(186)	634	(613)	112	(55)	(4 697)	455	(2 387)	(6 584)	929	1 521	1 576	81	4 107	254	1 781	1 508	1 902	5 445	
<i>non-controlling interest</i>	(19)	28	(31)	(200)	(222)	116	(203)	93	79	85	39	238	118	61	456	(38)	268	(19)	301	512	
Net profit/(loss) and diluted net profit/(loss) per share attributable to equity owners of the parent (in PLN per share)	0,35	(0,48)	1,54	(0,99)	0,41	0,15	(12,15)	1,26	(2,85)	(13,59)	1,77	3,19	1,86	(0,19)	6,63	0,79	3,76	3,57	4,18	12,30	

*) Restated data – change in consolidation method for Basell ORLEN Polyolefines Sp. z o.o. and Plocki Park Przemysłowo-Technologiczny S.A. in accordance with IFRS 11.

Consolidated statement of financial position

Item, PLN million	31.03.2013 *	30.06.2013 *	30.09.2013 *	31.12.2013 *	31.03.2014	30.06.2014	30.09.2014	31.12.2014	31.03.2015	30.06.2015	30.09.2015	31.12.2015
ASSETS												
Property, plant and equipment	24 310	24 527	24 186	24 904	25 234	22 021	22 509	22 644	22 618	22 428	22 489	24 536
Investment property	124	126	125	121	120	113	113	111	109	111	113	103
Intangible assets	1 224	982	974	823	1 059	615	636	703	788	606	617	1 298
Perpetual usufruct of land	93	93	92	95	94	88	89	89	93	94	96	99
Investments accounted for under equity method	605	589	610	615	632	652	675	672	703	661	746	774
Financial assets available for sale	41	40	40	40	40	41	40	40	40	41	41	40
Deferred tax assets	272	301	262	151	154	237	223	385	244	272	261	365
Other financial assets	26	41	64	158	35	41	140	327	519	375	481	147
Non-current assets	26 695	26 699	26 353	26 907	27 368	23 808	24 425	24 971	25 114	24 588	24 844	27 362
Inventories	16 507	13 830	15 264	13 749	16 208	12 894	12 770	9 829	10 167	10 721	11 916	10 715
Trade and other receivables	8 762	8 817	8 999	7 768	8 406	8 362	8 439	7 057	7 429	9 088	7 663	6 597
Other financial assets	82	288	78	165	176	203	339	862	674	455	520	974
Current tax assets	119	63	54	59	66	32	24	35	44	26	37	44
Cash and cash equivalents	1 145	4 414	2 492	2 689	758	5 295	4 981	3 937	3 090	4 140	4 869	2 348
Non-current assets classified as held for sale	20	20	16	15	24	13	6	34	17	7	17	97
Current assets	26 635	27 432	26 903	24 445	25 638	26 799	26 559	21 754	21 421	24 437	25 022	20 775
Total assets	53 330	54 131	53 256	51 352	53 006	50 607	50 984	46 725	46 535	49 025	49 866	48 137
EQUITY AND LIABILITIES												
EQUITY												
Share capital	1 058	1 058	1 058	1 058	1 058	1 058	1 058	1 058	1 058	1 058	1 058	1 058
Share premium	1 227	1 227	1 227	1 227	1 227	1 227	1 227	1 227	1 227	1 227	1 227	1 227
Hedging reserve	(52)	(141)	9	148	59	(39)	(133)	(1 319)	(1 061)	(1 030)	(215)	(80)
Revaluation reserve	2	1	1	0	0	0	0	0	0	0	0	0
Foreign exchange differences on subsidiaries from consolidation	192	303	132	(201)	(231)	467	478	509	424	547	513	537
Retained earnings	24 328	23 480	24 134	23 716	23 803	17 990	18 528	17 296	18 052	18 713	19 508	19 431
Total equity attributable to equity owners of the parent	26 755	25 928	26 561	25 948	25 916	20 703	21 158	18 771	19 700	20 515	22 091	22 173
Non-controlling interest	1 808	1 833	1 803	1 603	1 696	1 492	1 585	1 615	1 654	1 892	2 010	2 071
Total equity	28 563	27 761	28 364	27 551	27 612	22 195	22 743	20 386	21 354	22 407	24 101	24 244
LIABILITIES												
Loans, borrowings and bonds	6 507	6 852	5 772	6 507	7 734	10 123	10 054	9 670	8 733	8 046	9 656	8 131
Provisions	656	668	667	658	657	676	681	709	707	740	740	710
Deferred tax liabilities	673	581	717	538	482	458	465	75	113	332	549	674
Deferred income	15	15	15	10	10	9	10	8	8	8	8	8
Other financial liabilities	153	177	157	133	219	468	702	1 843	819	785	1 128	704
Non-current liabilities	8 004	8 293	7 328	7 846	9 102	11 734	11 912	12 305	10 380	9 911	12 081	10 227
Trade and other liabilities	12 449	14 405	15 120	14 013	12 985	14 392	14 668	11 215	11 310	13 732	11 454	10 658
Loans and borrowings	3 145	2 695	1 585	850	2 040	1 508	811	987	518	535	896	1 027
Current tax liabilities	54	20	20	36	46	19	55	42	17	118	203	162
Provisions	764	577	604	821	874	424	497	648	704	475	597	749
Deferred income	256	224	181	124	279	239	190	122	282	244	191	128
Other financial liabilities	95	155	53	110	64	96	108	1 020	1 970	1 603	343	870
Liabilities directly associated with assets classified as held for sale	0	1	1	1	4	0	0	0	0	0	0	72
Current liabilities	16 763	18 077	17 564	15 955	16 292	16 678	16 329	14 034	14 801	16 707	13 684	13 666
Total liabilities	24 767	26 370	24 892	23 801	25 394	28 412	28 241	26 339	25 181	26 618	25 765	23 893
Total equity and liabilities	53 330	54 131	53 256	51 352	53 006	50 607	50 984	46 725	46 535	49 025	49 866	48 137

*) Restated data – change in consolidation method for Basell ORLEN Polyolefines Sp. z o.o. and Plocki Park Przemyslowo-Technologiczny S.A. in accordance with IFRS 11.

Consolidated statement of financial position

Item, PLN million	31.12.2015	31.03.2016	30.06.2016	30.09.2016	31.12.2016
ASSETS					
Property, plant and equipment	24 536	25 037	26 136	26 520	27 671
Intangible assets	1 298	1 521	1 176	1 176	1 377
Investments accounted for under equity method	774	859	780	846	763
Deferred tax assets	365	338	376	311	167
Other financial assets	147	111	59	85	99
Other assets	242	247	253	251	244
Non-current assets	27 362	28 113	28 780	29 189	30 321
Inventories	10 715	9 236	10 646	10 388	11 182
Trade and other receivables	6 641	6 604	7 857	7 770	8 674
Other financial assets	974	742	422	372	249
Cash and cash equivalents	2 348	3 467	4 094	3 858	5 072
Non-current assets classified as held for sale	97	55	10	27	61
Current assets	20 775	20 104	23 029	22 415	25 238
Total assets	48 137	48 217	51 809	51 604	55 559
EQUITY AND LIABILITIES					
EQUITY					
Share capital	1 058	1 058	1 058	1 058	1 058
Share premium	1 227	1 227	1 227	1 227	1 227
Hedging reserve	(80)	(145)	(330)	(103)	(355)
Revaluation reserve	0	0	0	0	5
Foreign exchange differences on subsidiaries from consolidation	537	519	877	631	946
Retained earnings	19 431	19 768	20 520	22 047	23 882
Equity attributable to owners of the parent	22 173	22 427	23 352	24 860	26 763
Non-controlling interests	2 071	2 033	2 240	2 221	2 522
Total equity	24 244	24 460	25 592	27 081	29 285
LIABILITIES					
Loans, borrowings and bonds	8 131	7 893	7 892	7 624	7 446
Provisions	710	730	759	767	828
Deferred tax liabilities	674	664	853	928	809
Other financial liabilities	712	567	684	543	569
Non-current liabilities	10 227	9 854	10 188	9 862	9 652
Trade and other liabilities	10 820	11 041	13 552	12 444	14 250
Loans and borrowings	1 027	1 041	1 273	1 187	989
Provisions	749	767	406	465	666
Deferred income	128	271	233	193	145
Other financial liabilities	870	748	565	372	572
Liabilities directly associated with assets classified as held for sale	72	35	0	0	0
Current liabilities	13 666	13 903	16 029	14 661	16 622
Total liabilities	23 893	23 757	26 217	24 523	26 274
Total equity and liabilities	48 137	48 217	51 809	51 604	55 559

Consolidated statement of cash flows

Item, PLN million	Q1 2013 *	Q2 2013 *	Q3 2013 *	Q4 2013 *	12 months 2013 *	Q1 2014	Q2 2014	Q3 2014	Q4 2014	12 months 2014	Q1 2015	Q2 2015	Q3 2015	Q4 2015	12 months 2015
Cash flows – operating activities															
Net profit/(Loss)	145	(229)	652	(478)	90	126	(5 390)	615	(1 179)	(5 828)	868	1 549	885	(69)	3 233
Adjustments for:															
Share in profit from investments accounted for under equity method	(10)	(4)	(20)	(6)	(40)	(16)	(21)	(23)	3	(57)	(31)	(73)	(85)	(64)	(253)
Depreciation and amortisation	523	520	526	542	2 111	522	524	460	485	1 991	452	464	469	510	1 895
Foreign exchange (gain)/loss	56	72	(37)	(27)	64	(4)	796	(31)	119	880	(218)	156	48	38	24
Interest, net	64	78	74	56	272	52	77	63	49	241	54	51	46	48	199
Dividends	0	(2)	0	0	(2)	0	(2)	0	0	(2)	0	(2)	0	0	(2)
(Profit)/Loss on investing activities	(43)	(48)	110	75	94	36	4 971	(254)	262	5 015	113	488	107	398	1 106
Tax expense	(32)	(36)	154	(19)	67	28	(340)	129	(235)	(418)	166	402	170	(273)	465
Change in provisions	56	159	41	135	391	63	(110)	64	124	141	56	142	139	126	463
Change in working capital	(2 011)	3 807	(294)	1 313	2 815	(3 965)	3 615	1 083	1 019	1 752	(419)	(371)	(1 482)	952	(1 320)
<i>inventories</i>	(1 524)	2 720	(1 547)	1 325	974	(2 404)	3 253	223	3 034	4 106	(334)	(437)	(1 143)	1 259	(655)
<i>receivables</i>	(550)	29	(207)	1 133	405	(780)	(177)	(36)	1 917	924	(332)	(1 215)	1 381	1 424	1 258
<i>liabilities</i>	63	1 058	1 460	(1 145)	1 436	(781)	539	896	(3 932)	(3 278)	247	1 281	(1 720)	(1 731)	(1 923)
Other adjustments	(78)	(7)	(71)	(59)	(215)	(225)	(61)	101	(175)	(360)	26	(109)	(114)	(55)	(252)
Income tax (paid)	(2)	(21)	(40)	(44)	(107)	(57)	(4)	(43)	(64)	(168)	(87)	(18)	(51)	(48)	(204)
Net cash provided by/(used in) operating activities	(1 332)	4 289	1 095	1 488	5 540	(3 440)	4 055	2 164	408	3 187	980	2 679	132	1 563	5 354
Cash flows – investing activities															
Acquisition of property, plant and equipment, intangible assets and perpetual usufruct of land	(524)	(460)	(622)	(776)	(2 382)	(761)	(943)	(973)	(1 023)	(3 700)	(616)	(629)	(605)	(1 229)	(3 079)
Disposal of property, plant and equipment, intangible assets and perpetual usufruct of land	91	27	15	31	164	20	321	15	44	400	43	11	16	61	131
Acquisition of shares	0	(2)	0	(534)	(536)	(62)	(683)	0	(47)	(792)	0	(35)	0	(1 160)	(1 195)
Disposal of shares	0	0	0	0	0	0	46	2	0	48	0	1	0	0	1
Deposits, net	12	5	1	1	19	3	(2)	(29)	1	(27)	1	17	2	8	28
Dividends received	0	2	20	0	22	0	2	0	0	2	0	3	115	75	192
Proceeds/(Outflows) from borrowings granted	274	(241)	242	(3)	272	2	1	2	0	5	1	0	0	0	1
Other	19	33	(72)	20	0	(18)	(6)	43	25	44	3	(118)	(119)	58	(175)
Net cash (used) in investing activities	(128)	(636)	(416)	(1 261)	(2 441)	(816)	(1 264)	(940)	(1 000)	(4 020)	(568)	(750)	(591)	(2 187)	(4 096)
Cash flows from financing activities															
Proceeds from loans and borrowings received	2 994	44	367	184	3 589	3 401	4 965	502	771	9 639	71	304	1 989	288	1 896
Debt securities issued	0	400	0	300	700	0	2 350	0	0	2 350	0	0	0	0	0
Repayment of loans and borrowings	(2 328)	(761)	(2 233)	(111)	(5 433)	(1 009)	(5 486)	(1 354)	(1 174)	(9 023)	(1 275)	(1 078)	(72)	(2 102)	(3 771)
Repurchase of debt securities	0	0	0	(304)	(304)	0	0	0	0	0	0	0	0	0	0
Interest paid	(80)	(60)	(80)	(90)	(310)	(60)	(76)	(60)	(49)	(245)	(54)	(98)	(56)	(50)	(258)
Dividend paid	0	0	(642)	0	(642)	0	0	(617)	0	(617)	0	0	(706)	0	(706)
Payments of liabilities under finance lease agreements	(7)	(7)	(7)	(7)	(28)	(8)	(8)	(8)	(6)	(30)	(7)	(6)	(8)	(7)	(28)
Grants received	0	0	0	1	1	0	0	0	10	10	0	0	0	1	1
Other	(3)	(1)	(4)	(3)	(11)	0	(2)	0	1	(1)	0	0	3	(3)	0
Net cash provided by/(used in) financing activities	576	(385)	(2 599)	(30)	(2 438)	2 324	1 743	(1 537)	(447)	2 083	(1 265)	(878)	1 150	(1 873)	(2 866)
Net (decrease) in cash and cash equivalents	(884)	3 268	(1 920)	197	661	(1 932)	4 534	(313)	(1 039)	1 250	(853)	1 051	691	(2 497)	(1 608)
Effect of exchange rate changes	0	1	(2)	0	(1)	1	3	(1)	(5)	(2)	6	(1)	38	(24)	19
Cash and cash equivalents, beginning of the period	2 029	1 145	4 414	2 492	2 029	2 689	758	5 295	4 981	2 689	3 937	3 090	4 140	4 869	3 937
Cash and cash equivalents, end of the period	1 145	4 414	2 492	2 689	2 689	758	5 295	4 981	3 937	3 937	3 090	4 140	4 869	2 348	2 348

*) Restated data – change in consolidation method for Basell ORLEN Polyoolefines Sp. z o.o. and Plocki Park Przemysłowo-Technologiczny S.A. in accordance with IFRS 11.

Consolidated statement of cash flows

Item, PLN million	Q1 2016	Q2 2016	Q3 2016	Q4 2016	12 months 2016
Cash flows from operating activities					
Profit before tax	434	2 036	1 927	2 490	6 887
Adjustments for:					
Share in profit from investments accounted for under equity method	(85)	(99)	(68)	(45)	(297)
Depreciation and amortisation	515	508	537	550	2 110
Foreign exchange (profit)/loss	41	238	(28)	36	287
Interest, net	50	78	36	55	219
Dividends		(5)	0	0	(5)
(Profit)/Loss on investing activities	(43)	(1)	(2)	(253)	(299)
Change in provisions	30	19	79	202	330
Change in working capital	1 766	(713)	204	(441)	816
<i>inventories</i>	1 477	(1 295)	172	(641)	(287)
<i>receivables</i>	32	(930)	158	(939)	(1 679)
<i>liabilities</i>	257	1 512	(126)	1 139	2 782
Other adjustments	307	(259)	(445)	16	(381)
Income tax (paid)	(88)	(38)	(143)	(67)	(336)
Net cash from operating activities	2 927	1 764	2 097	2 543	9 331
Cash flows from investing activities					
Acquisition of property, plant and equipment, intangible assets and perpetual usufruct of land	(1 533)	(1 271)	(1 149)	(1 080)	(5 033)
Acquisition of shares adjusted for received cash	0	(2)	0	0	(2)
Disposal of property, plant and equipment, intangible assets and perpetual usufruct of land	61	22	10	48	141
Sale of subsidiary	71	3	0	3	77
Dividends received	0	182	5	130	317
Other	2	10	(8)	60	64
Net cash (used) in investing activities	(1 399)	(1 056)	(1 142)	(839)	(4 436)
Cash flows from financing activities					
Proceeds from loans and borrowings received	2 130	1 985	35	44	3 586
Bonds issued		3 258	0	0	3 258
Repayments of loans and borrowings	(2 383)	(5 316)	(229)	(623)	(7 943)
Interest paid	(52)	(99)	(38)	(34)	(223)
Dividends paid			(909)	(3)	(912)
<i>equity owners of the parent</i>			(855)	0	(855)
<i>non-controlling interest</i>			(54)	(3)	(57)
Payments of liabilities under finance lease agreements	(7)	(8)	(6)	(7)	(28)
Other	1	(7)	(5)	63	52
Net cash from / (used in) financing activities	(311)	(187)	(1 152)	(560)	(2 210)
Net increase/(decrease) in cash and cash equivalents	1 217	521	(197)	1 144	2 685
Effect of exchange rate changes	(98)	106	(39)	70	39
Cash and cash equivalents, beginning of the period	2 348	3 467	4 094	3 858	2 348
Cash and cash equivalents, end of the period	3 467	4 094	3 858	5 072	5 072

Production volume

Production ('000 tonnes)	Q1 2013 *	Q2 2013 *	Q3 2013 *	Q4 2013 *	12 mpnth 2013 *	Q1 2014	Q2 2014	Q3 2014	Q4 2014	12 months 2014	Q1 2015	Q2 2015	Q3 2015	Q4 2015	12 months 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	12 months 2016
Downstream Segment	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group	ORLEN Group
Crude oil throughput	7 003	6 663	7 461	7 089	28 216	6 190	6 480	7 385	7 221	27 276	6 652	8 149	8 332	7 776	30 909	7 369	6 938	7 532	8 308	30 147
Light distillates [gasoline, LPG]	1 536	1 489	1 659	1 611	6 295	1 197	1 389	1 639	1 548	5 773	1 333	1 780	1 925	1 887	6 925	1 781	1 583	1 746	1 929	7 039
Medium distillates [diesel oil, light heating oil, jet fuel]	3 107	3 025	3 498	3 290	12 920	2 801	2 956	3 459	3 313	12 529	3 063	3 888	3 928	3 765	14 644	3 393	3 277	3 586	3 987	14 243
Heavy fractions [heavy heating oil, asphalt, oils]	1 121	1 165	1 363	1 207	4 856	877	1 074	1 362	1 203	4 516	961	1 244	1 243	1 101	4 549	982	1 066	1 345	1 154	4 547
Monomers [ethylene, propylene]	213	194	198	194	799	215	205	182	217	819	230	247	156	203	836	204	181	151	144	680
Polymers [polyethylene, polypropylene]	133	133	111	143	520	146	142	153	155	596	158	142	83	56	439	66	49	39	129	283
Aromas [benzene, toluene, paraxylene, ortoxylene]	102	92	87	105	386	107	95	107	108	417	122	114	73	44	353	59	59	53	78	249
Fertilizers [CANWIL, ammonium nitrate, ammonium sulphate, other]	293	259	170	306	1 028	313	243	295	306	1 157	287	309	251	300	1 147	304	320	217	317	1 158
Plastics [PVC, PVC granulate]	107	102	105	110	424	118	100	106	100	424	118	121	106	96	441	90	116	95	70	371
PTA	152	114	150	150	566	147	94	160	160	561	169	157	144	114	584	167	174	134	126	601
Other	576	541	618	569	2 304	577	554	564	560	2 255	523	616	594	580	2 313	625	625	659	614	2 523
Total production	7 340	7 114	7 959	7 685	30 098	6 498	6 852	8 027	7 670	29 047	6 964	8 618	8 503	8 146	32 231	7 671	7 450	8 025	8 548	31 694

*) Restated data – change in consolidation method for Basell ORLEN Polyolefines Sp. z o.o. and Plocki Park Przemysłowo-Technologiczny S.A. in accordance with IFRS 11.

Sales volume

Sales (*000 tonnes)	Q1 2013 *	Q2 2013 *	Q3 2013 *	Q4 2013 *	12 months 2013 *	Q1 2014	Q2 2014	Q3 2014	Q4 2014	12 months 2014	Q1 2015	Q2 2015	Q3 2015	Q4 2015	12 months 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	12 months 2016
Downstream Segment	6 937	6 766	7 472	7 201	28 376	6 152	6 642	7 616	7 296	27 706	6 756	7 855	8 090	7 679	30 380	7 263	7 203	8 063	8 179	30 708
Light distillates [gasoline, LPG]	1 335	1 245	1 333	1 317	5 230	928	1 128	1 316	1 251	4 623	1 042	1 348	1 511	1 536	5 437	1 427	1 363	1 463	1 512	5 765
Medium distillates [diesel oil, light heating oil, jet fuel]	2 475	2 410	2 746	2 609	10 240	2 175	2 490	2 742	2 685	10 092	2 564	3 146	3 236	3 049	11 995	2 810	2 877	3 331	3 442	12 460
Heavy fractions [heavy heating oil, asphalt, oils]	1 061	1 212	1 351	1 189	4 813	884	1 081	1 345	1 217	4 527	931	1 236	1 227	1 150	4 544	954	1 019	1 280	1 081	4 334
Monomers [ethylene, propylene]	223	202	212	195	832	218	205	190	224	837	232	240	203	203	878	203	197	155	126	681
Polymers [polyethylene, polypropylene]	121	135	118	136	510	141	146	151	154	592	160	152	108	62	482	59	58	46	82	245
Aromas [benzene, toluene, paraxylene, ortoxylyene]	101	88	87	105	381	107	94	107	105	413	120	114	78	46	358	55	61	52	80	248
Fertilizers [CANWL, ammonium nitrate, ammonium sulphate, other]	291	197	244	302	1 034	313	174	366	290	1 143	304	205	354	283	1 146	287	180	305	317	1 089
Plastics [PVC, PVC processing]	115	108	99	101	423	116	114	103	85	418	134	119	106	86	445	92	105	64	90	351
PTA	138	133	146	139	556	145	106	160	160	571	167	156	131	133	587	168	173	134	130	605
Other	1 077	1 036	1 136	1 108	4 357	1 125	1 104	1 136	1 125	4 490	1 102	1 139	1 136	1 131	4 508	1 208	1 170	1 233	1 319	4 930
Retail Segment	1 659	1 933	2 052	1 872	7 516	1 763	1 957	2 088	1 968	7 776	1 839	1 983	2 133	2 031	7 986	1 910	2 054	2 171	2 052	8 187
Light distillates [gasoline, LPG]	624	733	768	707	2 832	655	742	783	736	2 916	667	768	807	758	3 000	718	800	842	776	3 136
Medium distillates [diesel oil, light heating oil, jet fuel]	1 035	1 200	1 284	1 165	4 684	1 108	1 215	1 305	1 232	4 860	1 172	1 215	1 326	1 273	4 986	1 192	1 254	1 329	1 276	5 051
Upstream Segment	0	0	0	17	17	41	50	80	87	258	71	83	75	81	310	136	131	144	147	558
ORLEN Group - total	8 596	8 699	9 524	9 090	35 909	7 956	8 649	9 784	9 351	35 740	8 666	9 921	10 298	9 791	38 676	9 309	9 388	10 378	10 378	39 453

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