



ORLEN Fact Book

2009





ORLEN

Polski Koncern Naftowy ORLEN
Spółka Akcyjna

ORLEN Fact Book 2009

Contents

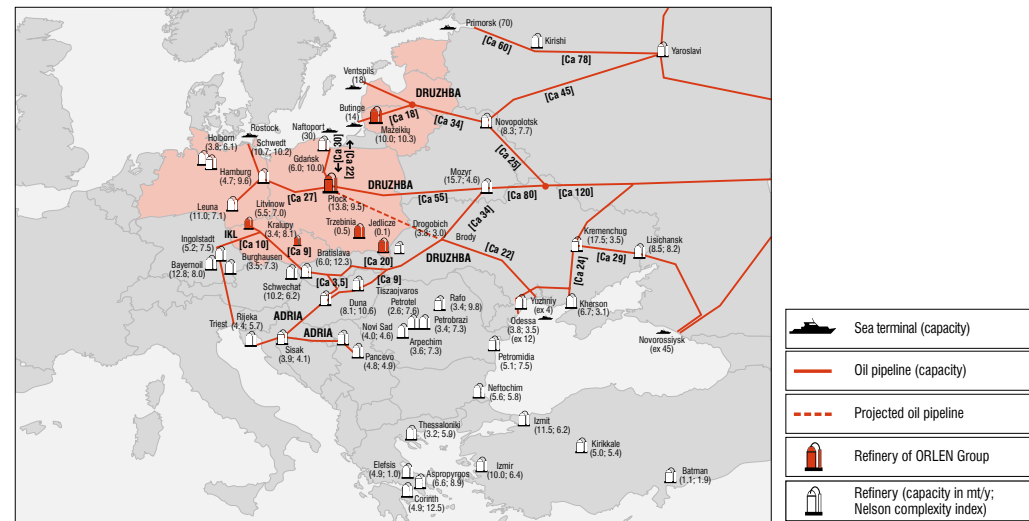
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Who we are

- PKN ORLEN, based in Płock, is one of the largest downstream companies in Central & Eastern Europe. PKN ORLEN is present in the Polish, Lithuanian, Czech and German markets.
- We are the largest, high quality integrated refining and petrochemical production complex in Europe and we operate the largest retail network in the region.
- The retail network is supported by an efficient logistics infrastructure comprising storage depots and pipeline networks.
- The major companies of the ORLEN Group are: ORLEN Lietuva (Mažeikių Nafta), Unipetrol a.s., Basell Orlen Polyolefins Sp. z o.o., ORLEN Deutschland GmbH, ANWIL SA, IKS Solino SA, ORLEN Oil Sp. z o.o., Trzebinia Refinery and Jedlicze Refinery.
- PKN ORLEN shares are listed on the Warsaw Stock Exchange, in the form of depositary receipts on the London Stock Exchange (GDR) and the US OTC market (ADR).

PKN ORLEN in the region. Main refinery assets in the region



Source: Oil & Gas Journal, own calculations based on Concawe, Reuters, WMRC, EIA, NEFTE Compass, Transneft.ru.

Financial highlights 2000–2009; IFRS basis

	2000 PLN m	2001 PLN m	2002 PLN m	2003 PLN m	2004 PLN m	2005 PLN m	2006 PLN m	2007 PLN m	2008 PLN m	2009 PLN m
Total assets	14,087	14,383	15,073	17,149	20,869	33,404	45,419	46,103	46,976	49,160
Shareholders' equity	7,766	8,353	8,741	9,937	13,631	19,313	21,583	22,573	20,532	21,707
Net debt ⁽¹⁾	2,542	2,549	2,341	2,402	478	3,285	7,828	8,656	12,549	10,263
Revenues	18,602	17,038	16,902	24,412	30,680	41,188	52,867	63,793	79,533	67,928
EBITDA	2,335	1,706	1,891	2,503	4,037	6,728	4,685	5,035	888	3,665
EBITDA margin	12.6%	10.0%	11.2%	10.3%	13.2%	16.3%	8.9%	7.9%	1.1%	5.4%
EBIT	1,425	617	731	1,267	2,687	4,948	2,577	2,604	-1,603	1,097
EBIT margin	7.7%	3.6%	4.3%	5.2%	8.8%	12.0%	4.9%	4.1%	-2.0%	1.6%
Corporate tax	-362	-153	-285	-198	-601	-701	-669	-531	389	-140
Net profit	902	376	421	987	2,538	4,638	2,060	2,480	-2,527	1,300
Minority interests	23	15	29	34	55	59	74	68	-21	-8
Net profit attributable to equity holders of the parent	879	361	392	953	2,482	4,578	1,986	2,412	-2,505	1,308
Net cash provided by operating activities	1,073	2,112	1,292	1,707	3,637	3,664	3,693	1,965	3,617	5,162
CAPEX ⁽²⁾	1,459	1,533	967	1,337	1,824	2,026	1,925	3,694	3,938	3,776

¹⁾ Net debt = short and long-term interest-bearing debt - (cash and cash equivalents).

²⁾ Purchase of tangible and intangible assets. Data for 2006 ex. Mažeikių Nafta (ORLEN Lietuva) acquisition at a level of PLN 5,729 m.

Financial ratios

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	PLN	PLN	PLN	PLN	PLN	PLN	PLN	PLN	PLN	PLN
EPS	2.15	0.89	1.00	2.35	5.93	10.84	4.82	5.80	-5.91	3.04
EBIT per share	3.39	1.47	1.74	3.01	6.28	11.57	6.02	6.09	-3.75	2.57
EBITDA per share	5.56	4.06	4.50	5.95	9.44	15.73	10.95	11.77	2.08	8.57
CF from operations per share	2.55	5.03	3.07	4.06	8.50	8.57	8.63	4.59	8.46	12.07
Dividend per share	0.05	0.12	0.14	0.65	2.13	0.0 ⁽¹⁾	0.00	1.62	0.0	0.0 ⁽²⁾
Total assets per share	33.53	34.23	35.87	40.75	48.79	78.10	106.19	107.79	109.83	114.94
Book value per share	18.48	19.88	20.80	23.61	31.87	45.15	50.46	52.78	48.00	50.75
Gearing ⁽³⁾	32.7%	30.5%	26.8%	24.2%	3.5%	17.0%	36.3%	38.3%	49.6%	54.0%
ROACE ⁽⁴⁾	10.8%	4.2%	4.8%	7.9%	16.5%	21.8%	8.0%	6.9%	-4.0%	2.7%
Number of shares	420,177,137	420,177,137	420,177,137	420,804,797	427,709,061	427,709,061	427,709,061	427,709,061	427,709,061	427,709,061

¹⁾ Mažeikių Nafta acquisition drove PKN ORLEN's Management Board decision and resulted in no dividend payout for 2005 and 2006.

²⁾ Management Board recommended no dividend payout from the profits for 2009, but decision will be taken during AGM in PKN ORLEN.

³⁾ Gearing = net debt / shareholders' equity - average balance sheet data.

⁴⁾ ROACE = EBIT after current tax rate/average (shareholders' equity + net debt).

Financial highlights 2004–2009 in EUR and USD; IFRS basis*

	2004	2005	2006	2007	2008	2009	2004	2005	2006	2007	2008	2009
	EUR m	EUR m	EUR m	EUR m	EUR m	EUR m	USD m	USD m	USD m	USD m	USD m	USD m
Total assets	5,116	8,654	11,855	12,871	11,259	11,966	6,979	10,243	15,605	18,933	15,861	17,247
Shareholders' equity	3,342	5,004	5,633	6,302	4,921	5,284	4,558	5,922	7,416	9,270	6,932	7,616
Net debt ⁽¹⁾	117	851	2,043	2,416	3,008	2,498	160	1,007	2,690	3,555	4,237	3,601
Revenues	6,767	10,232	13,573	16,891	22,517	15,649	8,396	12,733	17,040	23,211	32,981	21,798
EBITDA	890	1,671	1,203	1,333	251	844	1,105	2,080	1,510	1,832	368	1,176
EBITDA margin	13.2%	16.3%	8.9%	7.9%	1.1%	5.4%	13.2%	16.3%	8.9%	7.9%	1.1%	5.4%
EBIT	593	1,229	662	689	-454	253	735	1,529	831	947	-665	352
EBIT margin	8.8%	12.0%	4.9%	4.1%	-2.0%	1.6%	8.8%	12.0%	4.9%	4.1%	-2.0%	1.6%
Corporate tax	-133	-174	-172	-140	110	-32	-164	-217	-216	-193	161	-45
Net profit	560	1,152	529	657	-715	300	695	1,434	664	902	-1,048	417
Minority interests	12	15	19	18	-6	-2	15	18	24	25	-9	-3
Net profit attributable to equity holders of the parent	547	1,137	510	639	-709	301	679	1,415	640	878	-1,039	420
Net cash provided by operating activities	802	910	948	520	1,024	1,189	995	1,133	1,190	715	1,500	1,656
CAPEX ⁽²⁾	402	503	494	978	1,115	870	499	626	620	1,344	1,633	1,212

¹⁾ Net debt = short and long-term interest-bearing debt - (cash and cash equivalents).

²⁾ Purchase of tangible and intangible assets.

* Specific position of assets, equity and liabilities calculation based on the year-end exchange rate respectively, and specific items in profit and loss and cash flows – by the arithmetic average exchange rates. Source published by the National Bank of Poland, see page 53.

Segment financial highlights 2008–2009

unaudited data based on segment commentary after 4 quarters 2009.

	Refining		Retail		Petrochemical		Corporate Functions ⁽¹⁾	
	2008 PLN m	2009 PLN m	2008 PLN m	2009 PLN m	2008 PLN m	2009 PLN m	2008 PLN m	2009 PLN m
Revenues⁽²⁾	46,033	36,570	22,480	22,384	10,935	8,877	86	97
EBITDA	-889	2,413	997	1,235	1,327	612	-547	-595
EBITDA margin	-	6.6%	4.4%	5.5%	12.1%	6.9%	-	-
EBIT	-2,158	1,124	641	880	562	-196	-648	-711
EBIT margin	-	3.1%	2.9%	3.9%	5.1%	-	-	-
Depreciation	1,269	1,289	356	355	765	808	101	116
CAPEX	1,846	992	557	304	1,510	2,356	105	124
Sales volume (kt)	24,439	22,788	5,690	6,017	4,715	4,819	-	-

¹⁾ Includes Corporate Functions of the ORLEN Group companies, as well as companies not included in any of the above segments.

²⁾ Sales to third parties.

Summary of operating data

ORLEN Group	2000 kt	2001 kt	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt	2009 kt
ORLEN Group total throughput of crude oil	13,064	12,881	13,041	12,272	12,655	15,383	18,029	22,794	28,311	27,356
Refineries in Poland total throughput of crude oil ⁽¹⁾	13,064	12,881	13,041	12,272	12,655	12,764	13,748	13,916	14,537	14,841
Refineries in Unipetrol total throughput of crude oil ⁽²⁾						2,619	4,281	4,137	4,533	4,109
Refinery in Mažeikių Nafta ⁽³⁾								4,741	9,241	8,406
Plock Refinery										
Annual nameplate crude processing capacity ⁽⁴⁾	13,500	13,500	13,500	13,500	13,500	13,500	13,800	13,800	14,100	14,300
Throughput of crude oil	12,537	12,319	12,474	11,724	12,194	12,570	13,612	13,646	14,218	14,526
Throughput of other feedstocks	967	859	944	905	938	1,029	1,136	1,311	1,296	1,205
Capacity utilisation	92.9%	91.3%	92.4%	86.8%	90.3%	93.1%	98.6%	98.9%	100.8%	101.6%
Production of refining products	10,327	9,995	9,761	9,299	9,811	10,238	10,628	10,865	11,630	12,151
Production of petrochemicals	983	899	1,165	1,121	1,120	1,040	1,641	1,599	1,338	1,468
Trzebinia Refinery										
Annual nameplate crude distillation capacity	400	500	500	500	500	500	500	500	500	370
Throughput of crude oil	400	446	437	423	331	79	21	148	239	247
Throughput of other feedstocks	330	182	126	133	58	132	241	100	143	121
Capacity utilisation	100.0%	89.2%	87.4%	84.6%	66.2%	15.8%	4.2%	29.6%	47.8%	66.8%

¹⁾ Plock, Trzebinia and Jedlicze.

²⁾ Refers to the Unipetrol refinery since June 2005: 51% Ceska Rafinerska, 100% Paramo.

³⁾ Refers to the Mažeikių Nafta refinery. Operational data consolidated since 2007.

⁴⁾ Deep processing capacity at 13.8 mt/y in 2007, 14.1 mt/y in 2008 and 14.3 mt/y in 2009 (nameplate crude distillation capacity at 17.8 mt/y).

Summary of operating data

Jedlicze Refinery	2000	2001	2002	2003	2004 ⁽¹⁾	2005	2006	2007	2008	2009
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
Annual nameplate crude distillation capacity	140	135	135	135	135	135	135	135	135	115
Throughput of crude oil	127	116	130	125	130	115	115	122	80	68
Throughput of other feedstocks	318	391	140	121	134	128	128	89	112	102
Capacity utilisation	90.7%	85.9%	95.9%	92.6%	96.3%	84.9%	84.9%	90.4%	59.3%	58.7%

ORLEN Group ⁽¹⁾	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
Sales volume – gasoline										
Retail	1,343	1,274	1,259	2,077	1,943	1,931	1,931	2,127	2,300	2,294
Wholesale	1,879	1,857	1,863	1,596	1,819	2,331	2,331	4,361	5,544	5,549

Sales volume – diesel										
Retail	783	753	843	1,445	1,274	1,394	1,394	2,138	2,589	2,868
Wholesale	2,467	2,270	2,285	2,374	2,795	3,788	3,788	7,559	9,152	8,795

¹⁾ In 2004 we changed the classification of sales volume. The total sales volume from ORLEN Deutschland and ORLEN PetroCentrum were attributed to the retail segment till 2003. From 2004 the volume was split into retail and wholesale segments.

Headcount⁽¹⁾

Employees	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
ORLEN Group ⁽²⁾ employees	13,342	17,582 ⁽³⁾	17,818	15,133	14,296	20,805 ⁽⁴⁾	24,113 ⁽⁵⁾	22,927	22,956	22,535
Parent company – PKN ORLEN employees	7,646	7,333	7,298	6,287	5,701	5,370	4,780	4,748	4,725	4,482

Employees by business segment	2008			2009				
	PKN ORLEN	GROUP COMPANIES	ORLEN GROUP	PKN ORLEN	GROUP COMPANIES	ORLEN GROUP		
Wholesale and refining			1,265	7,491	8,756	2,129	8,054	10,183
Retail			480	420	900	439	856	1,295
Petrochemicals			745	5,281	6,026	864	5,581	6,445
Other			2,235	5,039	7,273	1,050	3,562	4,612
Total			4,725	18,231	22,956	4,482	18,053	22,535

Employees by business segment	2005			2006			2007		
	PKN ORLEN	GROUP COMPANIES	ORLEN GROUP	PKN ORLEN	GROUP COMPANIES	ORLEN GROUP	PKN ORLEN	GROUP COMPANIES	ORLEN GROUP
Wholesale and refining	1,355	3,527	4,882	1,289	7,103	8,392	1,292	6,467	7,759
Retail	667	275	942	580	251	831	572	530	1,102
Petrochemicals	766	6,310	7,076	740	5,177	5,917		2,584	2,584
Other	2,582	5,323	7,905	2,171	6,802	8,973	2,884	8,598	11,482
Total	5,370	15,435	20,805	4,780	19,333	24,113	4,748	18,179	22,927

¹⁾ Headcount at the end of period.

²⁾ In this context, "ORLEN Group" means the company and its consolidated subsidiaries but does not include associated companies. End-of-period level.

³⁾ Full consolidation of ANWIL since Q2/2001.

⁴⁾ Full consolidation of Unipetrol since Q2/2005; Unipetrol number of employees as at the end of 2005, 6,534.

⁵⁾ Full consolidation of Mažeikių Nafta since Q1/2007; Mažeikių Nafta number of employees as at the end of 2006, 3,740.

Shareholder structure as at 31 December 2009⁽¹⁾

	Number of shares as at 31 December 2009	% of issued shares as at 31 December 2009
Polish State Treasury	117,710,196	27.52%
Others ⁽²⁾	309,998,865	72.48%
Total	427,709,061	100.00%
Free float	309,998,865	72.48%

¹⁾ The current shareholder structure can be found on our corporate website www.orlen.pl.

²⁾ On 20 February 2009 PKN ORLEN was notified that ING OFE increased its stake in the Company to 5.17%. On 9 February 2010 PKN ORLEN was notified that Aviva OFE increased its stake in the Company to 5.08%.

Balance sheet

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m
Total non-current assets	9,125	9,951	9,814	10,715	12,948	20,886	27,661	26,736	29,281	29,727
Total current assets, of which	4,962	4,432	5,259	6,434	7,922	12,519	17,758	19,366	17,695	19,433
Inventories	2,705	2,199	2,868	3,058	3,201	6,113	7,399	10,365	9,089	10,620
Trade and other receivables	2,013	1,951	2,088	2,578	2,604	4,827	6,547	7,000	6,748	5,452
Cash and cash equivalents	190	214	222	629	1,853	1,232	2,661	1,666	1,602	3,122
Total assets	14,087	14,383	15,073	17,149	20,869	33,404	45,419	46,103	46,976	49,160
Shareholders' equity, of which	7,766	8,353	8,741	9,937	13,631	19,313	21,583	22,573	20,532	21,707
Minority interests	170	395	412	427	440	2,641	2,732	2,637	2,719	2,669
Non-current liabilities, of which	2,232	2,227	1,409	2,745	3,238	5,554	8,958	11,091	4,634	13,242
Interest bearing borrowings	1,236	1,261	402	1,836	2,084	3,406	6,211	8,603	2,611	11,611
Current liabilities, of which	4,089	3,803	4,923	4,467	4,000	8,537	14,878	12,439	21,810	14,211
Interest bearing borrowings	1,496	1,502	2,161	1,195	248	1,111	4,278	1,719	11,282	1,594
Total liabilities and shareholders' equity	14,087	14,383	15,073	17,149	20,869	33,404	45,419	46,103	46,976	49,160

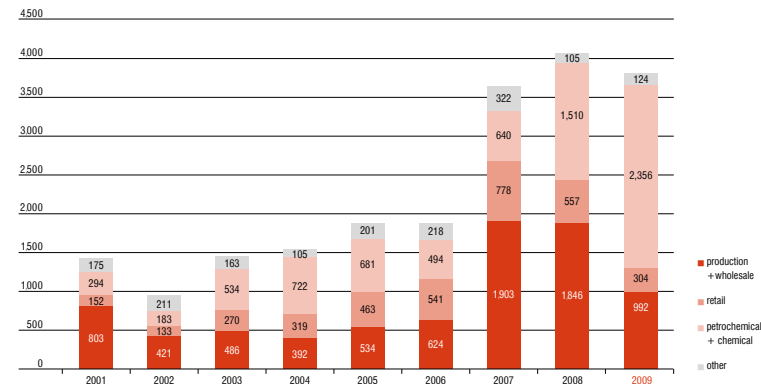
Income statement

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m
Revenues	18,602	17,038	16,902	24,412	30,680	41,188	52,867	63,793	79,533	67,928
Cost of sales	-15,042	-14,166	-13,455	-19,986	-24,605	-34,079	-45,872	-56,126	-73,999	-61,849
Gross profit	3,560	2,872	3,447	4,426	6,075	7,109	6,995	7,667	5,534	6,079
Distribution costs	-1,458	-1,504	-1,787	-2,259	-2,116	-2,391	-2,641	-3,176	-3,324	-3,508
Administrative expenses	-619	-829	-891	-934	-855	-1,039	-1,171	-1,637	-1,462	-1,505
Other operating expenses/revenues net	-58	78	-38	34	-418	1,269	-608	-250	-2,351	30
Profit from operations	1,425	617	731	1,267	2,687	4,948	2,577	2,604	-1,603	1,097
Financial income	255	264	211	279	625	669	603	1,190	703	1,094
Financial expenses	-441	-362	-220	-377	-367	-480	-671	-1,050	-2,281	-1,023
Income from investments accounted for using equity method	48	25	13	50	193	203	221	267	267	272
Profit before income tax and minority interests	1,287	544	735	1,219	3,138	5,339	2,729	3,011	-2,915	1,441
Income tax	-362	-153	-285	-198	-601	-701	-669	-531	389	-140
Net profit	902	376	421	987	2,538	4,638	2,060	2,480	-2,527	1,300
Minority interests	23	15	29	34	55	59	74	68	-21	-8
Net profit attributable to equity holders of the parent	879	361	392	953	2,482	4,578	1,986	2,412	-2,505	1,308

Cash flow

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m
Cash flow from operations, of which	1,073	2,112	1,292	1,707	3,637	3,664	3,693	1,965	3,617	5,162
Net profit	902	376	421	987	2,538	4,638	2,060	2,480	-2,527	1,300
Share in profit from investments accounted for under equity method					-193	-203	-221	-267	-267	-272
Amortisation and depreciation	910	1,089	1,130	1,207	1,350	1,780	2,108	2,431	2,491	2,568
Interest and dividends, net	203	209	128	29	80	103	191	456	533	384
Other	-22	65	41	-158	-242	-2,414	86	-266	2,052	-630
Change in working capital	-920	373	-428	-358	104	-240	-531	-2,870	1,335	1,813
Increase/decrease in receivables	-520	209	-171	-114	-135	-358	-838	-536	987	656
Increase/decrease in inventories	-663	651	-668	-158	-244	-1,805	-313	-3,235	1,779	-1,663
Increase/decrease in accrued expenses and payables	264	-366	382	-111	174	1,336	658	941	-1,409	2,821
Increase/decrease in provisions	-1	-121	29	25	309	587	-38	-39	-22	-2
Net cash flow used in investing activities	-1,606	-1,750	-908	-1,381	-2,700	-2,503	-6,746	-2,845	-4,385	-2,540
Net cash flow used in financing activities	532	-335	-409	58	-838	-764	4,278	27	613	-1,022
Net increase/decrease in cash and cash equivalents	-1	27	-25	384	99	396	1,225	-853	-156	1,600

Capital expenditures in ORLEN Group in 2001–2009 (PLN m)



Operating data

2001–2009

Fuels and other refinery product sales revenues in the ORLEN Group⁽¹⁾

Light product revenues	2001		2002		2003		2004		2005 ⁽¹⁾		2006		2007		2008		2009	
	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%
Gasoline	4,576	29.7	4,401	29.3	8,325	36.2	10,471	35.9	11,229	28.8	13,162	26.5	16,830	29.6	20,522	26.0	19,842	30.6
Diesel oil	3,833	24.9	3,614	24.1	6,320	27.5	8,112	27.8	12,706	32.6	16,291	32.8	20,831	36.6	33,572	42.5	24,792	38.2
Light heating oil	2,156	14.0	1,642	10.9	2,094	9.1	2,794	9.6	3,318	8.5	3,134	6.3	2,317	4.1	2,957	3.7	2,166	3.3
JET A-1 aviation fuel	403	2.6	253	1.7	345	1.5	564	1.9	936	2.4	1,103	2.2	1,346	2.4	2,930	3.7	1,458	2.2
Total light products	10,968	71.2	9,910	66.0	17,084	74.3	21,941	75.3	28,189	72.2	33,689	67.9	41,324	72.6	59,981	75.9	48,258	74.4
Other refining product revenues	2001		2002		2003		2004		2005 ⁽¹⁾		2006		2007		2008		2009	
	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%
LPG	446	2.9	372	2.5	481	2.1	528	1.8	729	1.9	948	1.9	1,468	2.6	1,710	2.2	1,355	2.1
Heavy heating oil	452	2.9	539	3.6	330	1.4	289	1.0	392	1.0	603	1.2	1,709	3.0	2,823	3.6	2,310	3.6
Bitumen	292	1.9	323	2.2	170	0.7	445	1.5	588	1.5	959	1.9	961	1.7	1,369	1.7	1,471	2.3
Oils ⁽²⁾	376	2.4	299	2.0	275	1.2	281	1.0	369	0.9	630	1.3	633	1.1	736	0.9	550	0.8
Other refining products	575	3.7	712	4.7	1,547	6.7	1,522	5.2	2,028	5.2	1,160	2.3	1,706	3.0	1,454	1.8	2,309	3.6
Other refining products, Total	2,141	13.9	2,245	15.0	2,803	12.2	3,066	10.5	4,106	10.5	4,300	8.7	6,477	11.4	8,092	10.2	7,995	12.3

¹⁾ Unipetrol consolidated since June 2005.

²⁾ Base oils, motor oils, industrial oils.

Fuels and other refinery sales volumes in the ORLEN Group⁽¹⁾

Light product	2001		2002		2003		2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
Gasoline	3,131	24.7	3,122	24.3	3,673	25.4	3,762	25.6	4,276	23.9	4,653	21.6	6,488	23.3	7,843	24.3	7,758	23.1
Diesel oil	3,023	23.9	3,128	24.4	3,819	26.4	4,069	27.7	5,223	29.3	6,865	31.9	9,697	34.8	11,663	36.1	11,708	34.8
Light heating oil	2,039	16.1	1,585	12.3	1,786	12.3	1,958	13.3	1,852	10.4	1,587	7.4	1,189	4.3	1,277	4.0	1,143	3.4
JET A-1 aviation fuel	322	2.5	268	2.1	308	2.1	373	2.5	465	2.6	499	2.3	652	2.3	1,067	3.3	738	2.2
Total light products	8,515	67.2	8,103	63.1	9,586	66.2	10,162	69.2	11,815	66.2	13,603	63.2	18,026	64.7	21,850	67.7	21,347	63.5
Other refinery product	2001		2002		2003		2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
LPG	366	2.9	302	2.4	319	2.2	300	2.0	367	2.1	427	2.0	472	1.7	765	2.4	736	2.2
Heavy heating oil	1,038	8.2	1,044	8.1	546	3.8	488	3.3	516	2.9	667	3.1	2,063	7.4	2,755	8.5	2,381	7.1
Bitumen	471	3.7	551	4.3	164	1.1	607	4.1	790	4.4	958	4.4	1,043	3.7	1,104	3.4	1,113	3.3
Oils ⁽²⁾	167	1.3	135	1.1	105	0.7	102	0.7	136	0.8	218	1.0	240	0.9	267	0.8	200	0.6
Other refining products	543	4.3	673	5.2	1,561	10.8	830	5.7	984	5.5	804	3.7	1,125	4.0	3,387	10.5	3,027	9.0
Other refining products, total	2,584	20.4	2,705	21.1	2,695	18.6	2,327	15.8	2,794	15.6	3,074	14.3	4,943	17.7	8,278	25.6	7,458	22.2

¹⁾ Unipetrol consolidated since June 2005.

²⁾ Base oils, motor oils, industrial oils.

Petrochemical sales revenues⁽¹⁾ in ORLEN Group

	2001		2002		2003		2004		2005		2006		2007		2008		2009	
	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%	PLN m	%
<i>PKN ORLEN, Unipetrol (since June 2005)</i>																		
Acetone	47	0.3	50	0.3	62	0.3	79	0.3	69	0.2	70	0.1	83	0.1	68	0.1	48	0.1
Benzene	58	0.4	97	0.6	118	0.5	223	0.8	270	0.7	512	1.0	536	0.9	657	0.8	517	0.8
Butadiene	48	0.3	60	0.4	74	0.3	86	0.3	122	0.3	259	0.5	219	0.4	172	0.2	128	0.2
Ethylene	76	0.5	17	0.1	262	1.1	193	0.7	329	0.8	715	1.4	805	1.4	900	1.1	710	1.1
Phenol	98	0.6	92	0.6	124	0.5	183	0.6	145	0.4	142	0.3	188	0.3	142	0.2	99	0.2
Glycols	153	1.0	178	1.2	208	0.9	312	1.1	252	0.6	294	0.6	297	0.5	501	0.6	221	0.3
Propylene	107	0.7	123	0.8	359	1.6	330	1.1	440	1.1	755	1.5	710	1.2	654	0.8	520	0.8
Toluene	37	0.2	74	0.5	86	0.4	107	0.4	152	0.4	259	0.5	245	0.4	206	0.3	136	0.2
Others petrochemical and chemical	401	2.6	499	3.3	501	2.2	644	2.2	2,159	5.5	3,505	7.1	3,168	5.6	2,332	2.9	1,548	2.4
<i>PKN ORLEN, BOP (since Q2'2003), Chemopetrol (since June 2005)</i>																		
Polyethylene	379	2.5	410	2.7	144	0.6	351	1.2	793	2.0	1,866	3.8	1,890	3.3	1,784	2.3	1,561	2.4
Polypropylene	307	2.0	349	2.3	134	0.6	292	1.0	634	1.6	1,395	2.8	1,490	2.6	1,366	1.7	1,224	1.9
<i>ANWIL, Spolana (since June 2005)</i>																		
CANWIL	99	0.6	118	0.8	147	0.6	169	0.6	187	0.5	219	0.4	215	0.4	356	0.4	232	0.4
PVC granules	103	0.7	132	0.9	143	0.6	194	0.7	184	0.5	246	0.5	242	0.4	196	0.2	235	0.4
PVC	238	1.5	476	3.2	520	2.3	685	2.4	683	1.7	1,012	2.0	1,087	1.9	874	1.1	914	1.4
Ammonium nitrate	154	1.0	179	1.2	229	1.0	276	0.9	309	0.8	359	0.7	382	0.7	439	0.6	480	0.7
Total petrochemical sales	2,305	15.0	2,854	19.0	3,111	13.5	4,124	14.2	6,728	17.2	11,609	23.4	11,555	20.3	10,646	13.5	8,574	13.2
Total sales revenues	15,414	100.0	15,009	100.0	22,998	100.0	29,131	100.0	39,023	100.0	49,598	100.0	56,919	100.0	79,042	100.0	64,827	100.0

Total sales revenues for the ORLEN Group were PLN 17,038 m in 2001, PLN 16,902 m in 2002, PLN 24,412 m in 2003, PLN 30,680 m in 2004, PLN 41,188 m in 2005, PLN 52,867 m in 2006, PLN 63,793 m in 2007 and PLN 79,535 m in 2008.

¹⁾ Petrochemical products understood as a sum of both petrochemical and chemical products.

Petrochemical sales by volumes in ORLEN Group

	2001		2002		2003		2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
<i>PKN ORLEN, Unipetrol (since June 2005)</i>																		
Acetone	31	0.2	31	0.2	32	0.2	34	0.2	27	0.1	28	0.1	32	0.1	28	0.1	21	0.1
Benzene	46	0.4	74	0.6	73	0.5	76	0.5	110	0.6	185	0.9	191	0.7	275	0.9	263	0.8
Butadiene	36	0.3	51	0.4	43	0.3	45	0.3	49	0.3	92	0.4	77	0.3	55	0.2	57	0.2
Ethylene	32	0.3	10	0.1	135	0.9	80	0.5	129	0.7	251	1.2	273	1.0	277	0.9	261	0.8
Phenol	51	0.4	50	0.4	51	0.3	53	0.4	43	0.2	44	0.2	50	0.2	43	0.1	34	0.1
Glycols	90	0.7	115	0.9	95	0.7	104	0.7	89	0.5	114	0.5	105	0.4	200	0.6	104	0.3
Propylene	68	0.5	82	0.6	193	1.3	145	1.0	164	0.9	253	1.2	235	0.8	212	0.7	214	0.6
Toluene	26	0.2	55	0.4	57	0.4	70	0.5	81	0.5	122	0.6	122	0.4	105	0.3	74	0.2
Other petrochemical and chemical	214	1.7	336	2.6	359	2.5	313	2.1	947	5.3	1,576	7.3	1,616	5.8	1,401	4.3	1,638	4.9
<i>PKN ORLEN, BOP (since Q2'2003), Chemopetrol (since June 2005)</i>																		
Polyethylene	137	1.1	159	1.2	48	0.3	91	0.6	230	1.3	468	2.2	450	1.6	466	1.4	457	1.4
Polypropylene	120	0.9	141	1.1	46	0.3	86	0.6	184	1.0	364	1.7	374	1.3	369	1.1	382	1.1
<i>ANWIL, Spolana (since June 2005)</i>																		
CANWIL	228	1.8	283	2.2	339	2.3	332	2.3	358	2.0	395	1.8	386	1.4	426	1.3	323	1.0
PVC granules	37	0.3	47	0.4	49	0.3	59	0.4	57	0.3	74	0.3	68	0.2	55	0.2	65	0.2
PVC	120	1.0	205	1.6	211	1.5	208	1.4	249	1.4	332	1.5	351	1.3	306	0.9	337	1.0
Ammonium nitrate	328	2.6	389	3.0	474	3.3	495	3.4	530	3.0	561	2.6	552	2.0	497	1.5	589	1.8
Total petrochemical sales	1,566	12.4	2,028	15.8	2,204	15.2	2,191	14.9	3,247	18.2	4,859	22.6	4,883	17.5	4,715	14.6	4,819	14.3
Total sales revenues	12,665	100.0	12,836	100.0	14,484	100.0	14,679	100.0	17,856	100.0	21,537	100.0	27,852	100.0	32,291	100.0	33,623	100.0

Technical specification of refinery instalation in Plock

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
Atmospheric and vacuum distillation units	13,500	13,500	13,500	17,800	17,800	17,800	17,800	17,800	17,800	17,800
Deep processing capacity	13,500	13,500	13,500	13,500	13,500	13,500	13,800	13,800	14,100	14,300
Semi-regenerative reformers	1,230	1,260	930	930	930	930	330 ⁽¹⁾	330	330	330
CCR reformers	1,600	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606	1,606
Jet kerosene hydrotreater	160	160	160	160	160	160	600 ⁽²⁾	600	600	600
Gas oil hydrotreaters	4,260	4,260	4,260	4,260	4,260	4,260	3,660 ⁽²⁾	3,660	3,703	4,260
FCC I, II	2,300	2,300	2,300	2,300	2,300	2,300	1,500 ⁽¹⁾	1,500	1,500	1,500
Alkylation unit	150	150	150	150	150	150	150	150	150	150
Furfural extraction	400	400	400	400	400	400 ⁽³⁾	400	400	400	400
Lubricant dewaxing	266	215	215	215	215	215 ⁽³⁾	215	215	215	215
Lube hydrofinisher	130	130	130	130	130	130 ⁽³⁾	130	130	130	130
Bitumen	600	600	600	600 ⁽⁴⁾	700	700	700	700	700	700
Hydrocracker	2,600	2,600	2,600	3,400	3,400	3,400	3,400	3,400	3,400	3,400
Isomerisation C ₅ -C ₆	600	600	600	600	600	600	600	600	600	600
Vacuum residue hydrotreater	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800

¹⁾ Effective level of utilisation. The oldest parts of unit are excluded.

²⁾ Change in the technological process.

³⁾ Units moved to ORLEN Oil Sp. z o.o.

⁴⁾ Units moved to ORLEN Asphalt Sp. z o.o.

Technical specification of petrochemical instalation in Plock

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
Acetone	29	29	29	29	29	32	32	32	32	32
Benzene / PGH-2	115	115	115	115	115	256 ⁽¹⁾	256	256	256	256
Butadiene	55	55	55	55	55	55	60	60	69 ⁽⁶⁾	69
Aromatic petrochemicals	480	480	480	480	480	550 ⁽²⁾	550	550	550	550
MTBE (Methyl Tert Butyl Ether)	100	120	120	120	120	115 ⁽³⁾	115	115	115	115
Phenol	45	45	45	45	45	51	51	51	51	51
Glycols	105	106	106	106	106	106	106	106	106	106 ⁽⁸⁾
Olefins	360	360	360	360	360	700 ⁽⁴⁾	700	700	700	700
Paraxylene	32	32	32	32	32	32	32	32	32	— ⁽⁷⁾
Ethylene oxide	100	105	105	105	105	105	105	105	105	105 ⁽⁹⁾
Pyrolytic gasoline hydrogenation	288	270	270	270	270	523 ⁽⁵⁾	523	523	523	523

¹⁾ Unit was stopped in May 2005. From first half of 2005 the unit works as 2nd level of pyrolytic gasoline hydrogenation (PGH-2). From 2005 BT fraction production (benzene-toluene).

²⁾ Modernisation of Aromatic extraction instalation in 2005. Capacity in terms of benzene production is 178 kt.

³⁾ Production of EETB (ethyl-tert-butiric ester).

⁴⁾ Ethylene production 700 kt pa and propylene production 485 kt pa (Including FCC – Fluid Catalytic Cracker).

⁵⁾ Modernisation finalized by mid July 2005.

⁶⁾ Intensification of instalation in July 2008.

⁷⁾ Instalation stopped in December 2008.

⁸⁾ In September 2009 Ethylene Oxide I instalation was stopped. Capacity decreased to 77 kt.

⁹⁾ In August 2009 Glycols Oxide I instalation was stopped. Capacity decreased to 85 kt.

Technical specification of petrochemical instalation in Basell Orlen Polyolefins Sp. z o.o. (BOP)

BOP	2003	2004	2005	2006	2007	2008	2009
	kt	kt	kt	kt	kt	kt	kt
<i>Polyethylene</i>							
HDPE (Hostalen); High Density Polyethylene			320	320	320	320	320
LDPE I; Low Density Polyethylene ⁽¹⁾	45	45	45	45	23	23	
LDPE II; Low Density Polyethylene	100	100	100	100	100	100	100
<i>Polipropylene</i>							
PP (Spheripol)			400	400	400	400	400
PP I ⁽¹⁾	72	72	72				
PP II ⁽¹⁾	72	72	72				

¹⁾ PP I and II were stopped in 2005 after Spheripol instalation start, LDPE I instalation was stopped in 2008.

Technical specification of chemical instalation in ANWIL SA and Spolana a.s.

ANWIL SA	2003	2004	2005	2006	2007	2008	2009
	kt	kt	kt	kt	kt	kt	kt
Ammonia	520	520	520	520	520	520	520
Nitrogen acid	650	650	650	650	650	650	650
Ammonium nitrate	837	837	837	837	837	837	837
CANWIL	495	495	495	495	495	495	495
Chlorine	180	180	180	195	195	195	195
VCM (Vinyl chloride)	275	275	300	300	300	300	300
PVC (Polyvinyl chloride)	275	275	300	300	300	300	300
PVC granules	60	60	76	76	76	76	76
Spolana a.s.	2003	2004	2005	2006	2007	2008	2009
	kt	kt	kt	kt	kt	kt	kt
Chlorine	135	135	135	135	135	135	135
VCM (Vinyl chloride)	135	135	135	135	148	148	148
PVC (Polyvinyl chloride)	131	131	131	131	132	135	135
PVC granules	0	2,6	5	7	12	12	0
Caprolactam	45	45	46	47.5	48	48	48

Throughput and production yields in the Plock Refinery

Throughput	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
Crude oil	12,537	92.8	12,319	93.5	12,474	93.0	11,724	92.8	12,194	92.9	12,569	92.4	13,612	92.3	13,646	91.2	14,218	91.7	14,526	92.3
Other feedstocks, of which:	967	7.2	859	6.5	944	7.0	905	7.2	938	7.1	1,029	7.6	1,136	7.7	1,312	8.8	1,295	8.3	1,205	7.7
Natural gas	384	2.8	368	2.8	363	2.7	394	3.1	439	3.3	436	3.2	494	3.4	594	4.0	575	3.7	548	3.5
Total	13,504	100.0	13,178	100.0	13,418	100.0	12,629	100.0	13,132	100.0	13,598	100.0	14,748	100.0	14,958	100.0	15,513	100.0	15,731	100.0

Product yield: Fuels	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
Gasoline	3,206	28.3	3,176	29.2	2,979	27.3	2,767	26.6	2,753	25.2	2,861	25.4	2,723	22.4	2,610	20.9	2,800	21.6	3,055	22.4
Diesel oil	3,147	27.8	2,759	25.3	3,020	27.6	3,071	29.5	3,347	30.6	3,521	31.2	3,995	32.8	4,568	36.7	5,078	39.2	5,330	39.1
Light heating oil	1,526	13.5	1,974	18.1	1,705	15.6	1,531	14.7	1,706	15.6	1,571	13.9	1,207	9.9	840	6.7	840	6.5	790	5.8
JET A-1 aviation fuel	263	2.3	283	2.6	263	2.4	301	2.9	334	3.1	369	3.3	402	3.3	355	2.8	418	3.2	291	2.1
LPG	253	2.2	217	2.0	208	1.9	216	2.1	201	1.8	237	2.1	220	1.8	190	1.5	223	1.7	212	1.6
Total fuels	8,395	74.2	8,409	77.2	8,175	74.8	7,885	75.7	8,342	76.3	8,559	75.9	8,547	70.2	8,563	68.7	9,360	72.2	9,678	71.1

Other refinery products:	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
Heavy heating oil	1,180	10.4	939	8.6	950	8.7	717	6.9	678	6.2	625	5.5	764	6.3	995	8.0	939	7.2	959	7.0
Bitumen ⁽¹⁾	508	4.5	425	3.9	487	4.5	568	5.4	561	5.1	602	5.3	701	5.8	680	5.5	701	5.4	1,137	8.3
Base oils and others ⁽²⁾	244	2.2	223	2.0	149	1.4	129	1.2	231	2.1	452	4.0	616	5.1	627	5.0	631	4.9	377	2.8
Total non-fuel refinery products	1,932	17.1	1,587	14.6	1,586	14.5	1,415	13.6	1,470	13.4	1,679	14.9	2,081	17.1	2,302	18.5	2,270	17.5	2,473	18.2

¹⁾ Bitumen production moved to ORLEN Asphalt since 2004.

²⁾ Fractions P-21 to 24 from CDU II instalation and sulfured Vacuum distillate for sale.

Petrochemical unit in Plock Refinery – production yields and throughput

Petrochemicals	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
Aromatics ¹⁾	116	1.0	112	1.0	197	1.8	210	2.0	240	2.2	221	2.0	315	2.6	333	2.7	293	2.3	246	1.8
Acetone	33	0.3	32	0.3	32	0.3	32	0.3	34	0.3	28	0.2	28	0.2	32	0.3	28	0.2	21	0.2
Butadiene	46	0.4	38	0.3	52	0.5	44	0.4	46	0.4	41	0.4	61	0.5	59	0.5	57	0.4	55	0.4
Ethylene	143	1.3	92	0.8	116	1.1	247	2.4	265	2.4	245	2.2	509	4.2	547	4.4	474	3.7	461	3.4
Phenol	53	0.5	51	0.5	51	0.5	53	0.5	53	0.5	44	0.4	45	0.4	50	0.4	44	0.3	33	0.2
Glycols	111	1.0	91	0.8	116	1.1	97	0.9	105	1.0	88	0.8	113	0.9	105	0.8	87	0.7	68	0.5
Polyethylene ²⁾	129	1.1	138	1.3	158	1.4	143	— ⁽²⁾	143	— ⁽²⁾	149	— ⁽²⁾	364	— ⁽²⁾	392	— ⁽²⁾	352	— ⁽²⁾	334	— ⁽²⁾
Polypropylene ²⁾	124	1.1	122	1.1	143	1.3	150	— ⁽²⁾	140	— ⁽²⁾	146	— ⁽²⁾	322	— ⁽²⁾	377	— ⁽²⁾	339	— ⁽²⁾	326	— ⁽²⁾
Propylene	88	0.8	70	0.6	82	0.7	201	1.9	218	2.0	221	2.0	380	3.1	381	3.1	341	2.6	341	2.6
Ethylene oxide	13	0.1	14	0.1	19	0.2	19	0.2	18	0.2	14	0.1	16	0.1	17	0.1	12	0.1	18	0.1
Others	127	1.1	138	1.3	200	1.8	166	1.6	141	1.3	138	1.2	95	0.8	95	0.8	82	0.6	68	0.5
Total petrochemicals	983	8.7	899	8.3	1,165	10.7	1,121	10.8	1,120	10.2	1,040	9.2	1,551	12.7	1,599	12.8	1,338	10.3	1,468	11.0
Total product yield	11,310		10,895		10,925		10,420		10,932		11,278		12,179		12,477		12,968		13,364	
Other products, losses and waste	257		258		328		328		228		354		209		173		185		184	
Change in stocks	28		–5		91		–89		–10		68		–9		–15		–1		–115	
Refinery fuel	1,910		2,030		2,073		1,968		1,983		2,008		2,373		2,299		2,290		2,291	
Utilisation	92.9		91.2		92.4		86.8		90.3		93.1		98.6		98.9		100.8		101.6	

¹⁾ Aromatics: benzene, toluene, ortoxylylene, paraxylylene, xylene, farbasol.

²⁾ Production of PE and PP moved to BOP (50% in PKN's hands) in 2003 and does not contribute to total product yields petrochemical unit in Plock. In PKN ORLEN financial statements was used equity consolidation method. Proportional consolidation since 2005.

Throughput and production yields in the Trzebinia Refinery

Throughput	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
Crude oil	400	54.8	446	71.0	437	77.6	423	76.1	331	85.1	79	27.8	21	5.8	148	48.7	239	48.5	247	51.1
Other feedstocks	330	45.2	182	29.0	126	22.4	133	23.9	58	14.9	132	46.5	241	66.0	100	32.9	143	29.0	121	25.1
Biodiesel FAME											73	25.7	103	28.2	56	18.4	111	22.5	115	23.8
Total throughput	730	100.0	628	100.0	563	100.0	556	100.0	389	100.0	284	100.0	365	100.0	304	100.0	493	100.0	483	100.0
Product yields	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
Diesel oil	232	31.8	111	17.8	33	5.9	89	16.1	46	12.0	102	36.6	211	58.9	14	7.0	12	3.0	8	2.0
Biodiesel – FAME											64	22.9	88	24.6	49	24.4	88	21.7	95	23.9
Gasoline	32	4.4	3	0.5			25	4.5	8	2.1										
Light heating oil	83	11.4	54	8.7																
Total fuels	347	47.6	168	27.0	33	5.9	114	20.6	54	14.1	166	59.5	299	83.5	63	31.3	100	24.7	103	25.9
Other refinery products	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
Base oils	24	3.3	13	2.1																
Gasoline blending components	83	11.4	84	13.5	95	16.9	49	8.9									74	18.3	76	19.1
Heavy heating oil	162	22.2	190	30.5	108	19.2	95	17.2	81	21.1	47	16.8	21	5.9	69	34.3	139	34.3	121	30.4
Biodiesel – FAME, residues											8	2.9	13	3.6	6	3.0	37	9.1	29	7.3
Other	113	15.5	167	26.8	326	58.0	295	53.3	249	64.8	58	20.8	25	7.0	63	31.3	55	13.6	69	17.3
Total refinery products	382	52.4	454	73.0	529	94.1	439	79.4	330	85.9	113	40.5	59	16.5	138	68.7	305	75.3	295	74.1%
Total product yield	729	100.0	622	100.0	562	100.0	553	100.0	384	100.0	279	100.0	358	100.0	201	100.0	405	100.0	398	100.0
Utilisation	100.0		89.2		87.4		84.6		66.2		15.8		4.2		29.6		47.8		66.8	

Throughput and production yields in the Jedlicze Refinery

Throughput	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
Crude oil	127	28.7	116	22.9	130	48.0	125	50.8	130	49.6	115	47.3	115	55.3	122	57.8	80	41.7	68	39.8
Other feedstocks	316	71.3	391	77.1	140	51.7	121	49.2	132	50.4	128	52.7	93	44.7	89	42.2	112	58.3	102	60.2
Total throughput	443	100.0	507	100.0	270	100.0	246	100.0	262	100.0	242	100.0	208	100.0	211	100.0	192	100.0	170	100.0
Product yield	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
Gasoline	13	3.0	0	0.0	0	0.0	2	0.8	2	0.7	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0
Diesel	270	62.4	350	72.0	51	19.1	21	8.7	42	16.4	13	5.7	6	3.0	1	0.2	0	0.0	0	0.0
Total fuels	283	65.4	350	72.0	51	19.1	23	9.5	44	17.1	14	6.1	6	3.0	1	0.2	0	0.0	0	0.0
Other refinery products	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
Base oils	58	13.4	50	10.3	34	12.9	38	15.7	36	14.0	15	6.6	0	0.0	10	4.9	13	7.0	13	7.7
Heavy heating oil	78	18.0	71	14.6	102	38.5	164	67.8	158	62.2	166	71.0	93	46.5	62	30.5	59	31.9	60	35.6
Others	14	3.2	15	3.1	78	29.4	17	7.0	17	6.7	38	16.4	101	50.5	130	64.0	113	61.1	95	56.7
Total refinery products	150	34.6	136	28.0	214	80.9	219	90.5	211	82.9	219	93.9	194	97.0	202	99.5	185	100.0	168	100.0
Jedlicze - Total production yield	433	100.0	486	100.0	265	100.0	242	100.0	254	100.0	233	100.0	200	100.0	203	100.0	185	100.0	168	100.0
Utilisation	94.1		85.9		95.9		92.6		96.2		84.9		85.2		90.4		59.3		58.7	

ORLEN Deutschland GmbH

Profit and Loss account	2003⁽¹⁾	2004	2005	2006	2007	2008	2009
	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m	PLN m
Revenues	6,270	8,634	8,601	8,838	8,684	10,218	10,799
EBIT	3	-107	-171	28	30	46	106
Profit/loss net	5	-83	-107	27	32	47	92

Retail fuels sales	2003	2004	2005	2006	2007	2008	2009
	ml	ml	ml	ml	ml	ml	ml
Gasoline	843	1,042	1,041	1,034	1,065	1,237	1,237
Diesel	336	416	450	485	543	657	690
Total	1,179	1,458	1,491	1,519	1,608	1,894	1,927

Ownership structure	2003	2004	2005	2006	2007	2008	2009
	number	number	number	number	number	number	number
CoDo	392	387	381	376	401	400	410
DoDo	98	98	95	93	117	109	111
Total	490	485	476	469	518	509	521

Brand structure	2003	2004	2005	2006	2007	2008	2009
	number	number	number	number	number	number	number
ORLEN, A – Brand	126	119	116	90	58	13	4
STAR, B – Brand	320	340	336	351	431	466	489
Hypermarket sites	44	26	26	28	29	30	28
Total	490	485	478	469	518	509	521

¹⁾ Data in 2003 for 10 months only.

ORLEN Lietuva

PKN ORLEN have 100% stake in ORLEN Lietuva as for December 31, 2009.

ORLEN Lietuva – key financial data 2004–2009

	2004	2005	2006	2007	2008	2009	2004	2005	2006	2007	2008	2009
	LTL m	LTL m	LTL m	LTL m	LTL m	LTL m	USD m	USD m	USD m	USD m	USD m	USD m
Total assets	3,181	4,673	4,169	4,702	4,525	4,558	1,255	1,606	1,585	1,995	1,847	1,895
Shareholders' equity	1,139	1,959	1,968	1,891	2,020	1,901	449	673	748	802	824	790
Net debt ⁽¹⁾	212	-507	54	1,195	1,455	1,115	83	-174	21	507	594	464
Revenues	7,663	11,156	11,865	8,835	17,589	10,757	2,761	4,006	4,300	3,502	7,463	4,333
EBITDA	998	1,159	314	163	237	199	360	419	109	65	100	81
EBITDA margin	13.0%	10.4%	2.6%	1.8%	1.3%	1.8%	13.0%	10.5%	2.5%	1.8%	1.3%	1.9%
EBIT	891	1,051	182	66	94	1	321	380	61	26	40	0
EBIT margin	11.6%	9.4%	1.5%	0.7%	0.5%	0.0%	11.6%	9.5%	1.4%	0.7%	0.5%	0.0%
Corporate tax	-128	-119	-6	70	65	-37	-46	-45	-1	27	28	-15
Net profit	721	886	197	90	55	-85	261	319	68	36	23	-34
Net cash provided by operating activities	806	1,290	-364	-388	590	418	291	408	-95	-133	231	172
CAPEX ⁽²⁾	81	167	342	903	684	140	28	60	127	363	289	56

¹⁾ Net debt = short and long-term interest-bearing debt – (cash and cash equivalents).

²⁾ Purchase of tangible and intangible assets.

ORLEN Lietuva – key operating data 2004–2009

Refinery	2004	2005	2006	2007	2008	2009
	kt	kt	kt	kt	kt	kt
Annual nameplate crude distillation capacity	9,125	10,250	10,250	10,250 ⁽¹⁾	10,250	10,250
Throughput of crude oil	8,661	9,196	8,028	4,741	9,241	8,407
Throughput of other feedstocks	24	79	309	1,075	338	325
Capacity utilisation	95.2%	90.5%	81.3%	56.7%	93.5%	85.2%
Sales volume – gasoline	2,450	2,644	2,381	1,718	2,812	2,840
Retail	11	12	13	19	19	17
Wholesale	2,439	2,632	2,368	1,699	2,793	2,823
Sales volume – diesel	2,802	3,032	2,514	1,885	3,200	3,223
Retail	14	18	26	40	36	27
Wholesale	2,788	3,013	2,488	1,844	3,164	3,196
Headcount⁽²⁾	2004	2005	2006	2007	2008	2009
ORLEN Lietuva parent company employees	3,451	3,358	3,367	3,320	2,981	2,275
ORLEN Lietuva Group employees	3,862	4,057	3,740	3,708	3,462	2,959

¹⁾ ORLEN Lietuva (Mažeikių Nafta) nameplate capacity. Throughput in 2006 and 2007 lower due to VDU fire in October 2006. Vacuum Distillation Column was rebuilt and restarted its operation on January 20, 2008.

²⁾ Since 2007 the active headcount is shown.

ORLEN Lietuva – revenues from refining products sales

Light product revenues	2004	2005	2006	2007	2008	2009	2004	2005	2006	2007	2008	2009
	LTL m	LTL m	LTL m	LTL m	LTL m	LTL m	USD m	USD m	USD m	USD m	USD m	USD m
Gasoline	2,723	3,949	4,285	3,132	5,794	4,217	981	1,418	1,553	1,241	2,458	1,698
Diesel	2,955	4,482	4,214	3,210	7,089	4,518	1,064	1,609	1,527	1,272	3,008	1,820
Light heating oil	8	59	56	0	4	10	3	21	20	0	2	4
JET A-1 aviation fuel	645	874	1,064	270	1,339	335	232	314	385	107	568	135
Total light products	6,330	9,364	9,618	6,612	14,226	9,080	2,280	3,362	3,486	2,621	6,036	3,657
Other refinery product revenues	2004	2005	2006	2007	2008	2009	2004	2005	2006	2007	2008	2009
	LTL m	LTL m	LTL m	LTL m	LTL m	LTL m	USD m	USD m	USD m	USD m	USD m	USD m
LPG	445	553	582	444	723	296	160	199	211	176	307	119
Heavy heating oil	557	875	1,341	849	1,824	1,125	201	314	486	337	774	453
Bitumen	63	107	127	84	190	114	23	39	46	33	81	46
Others	5	5	3	9	10	70	2	2	1	3	4	28
Total other refinery products	1,070	1,541	2,053	1,387	2,748	1,606	385	553	744	550	1,166	647

ORLEN Lietuva – refining products sales volumes

Light product sales volumes	2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
Gasoline	2,450	30.4	2,644	31.1	2,381	29.9	1,718	32.3	2,856	31.4	2,840	34.5
Diesel	2,802	34.8	3,032	35.6	2,514	31.5	1,875	35.2	3,321	36.5	3,223	39.2
Light heating oil	7	0.1	37	0.4	32	0.4	9	0.2	8	0.1	6	0.1
JET A-1 aviation fuel	566	7.0	545	6.4	584	7.3	151	2.8	480	5.3	227	2.8
Total light products	5,825	72.3	6,258	73.6	5,511	69.1	3,753	70.5	6,664	73.3	6,297	76.5
Other refinery product volumes	2004		2005		2006		2007		2008		2009	
	kt	%	kt	%	kt	%	kt	%	kt	%	kt	%
LPG	456	5.7	453	5.3	404	5.1	285	5.4	403	4.4	282	3.4
Heavy heating oil	1,575	19.6	1,561	18.4	1,844	23.1	1,151	21.6	1,798	19.8	1,464	17.8
Bitumen	133	1.7	163	1.9	154	1.9	95	1.8	149	1.6	117	1.4
Others	67	0.8	72	0.9	63	0.8	43	0.8	74	0.8	70	0.9
Total other refinery products	2,232	27.7	2,250	26.4	2,464	30.9	1,573	29.5	2,424	26.7	1,934	23.5
Total refinery products	8,057	100.0	8,508	100.0	7,975	100.0	5,326	100.0	9,088	100.0	8,230	100.0

ORLEN Lietuva – technical specification

	2004	2005	2006	2007	2008	2009
	kt	kt	kt	kt	kt	kt
Atmospheric distillation units	8,775	9,324	8,153	5,148	9,491	8,801
Gasoline pretreating	1,527	1,759	1,516	915	1,736	1,535
Fractionation of hydrogenizate	1,470	1,650	1,387	720	1,634	1,432
Catalytic reforming	1,028	1,069	998	673	1,152	1,008
Kerosene HDT	896	879	797	528	984	805
Diesel HDT	2,675	2,956	2,388	1,599	2,920	2,822
Catalytic cracking	2,228	2,407	2,016	1,624	2,663	2,416
MTBE	358	373	289	216	294	257
Biutumen production	135	165	142	96	151	118
Sulphur recovery plants (LK)	75	82	68	47	82	77
Visbreaker	1,662	1,816	1,347	1,140	1,791	1,592
Hydrogen plant	35	37	35	13	28	31
Isomerisation C ₅ /C ₆	614	688	603	436	705	570
Vacuum distillation	4,446	4,677	3,444	1,613	4,635	4,244
VGO HDT	2,839	3,013	2,533	2,075	3,239	2,986
Oligomerisation	153	233	202	197	280	235
Reformate splitter	823	838	747	506	936	831
Saturate gas plant	258	245	284	157	256	200

Filling stations in Lithuania

	2004	2005	2006	2007	2008	2009
Ventus	29	27	34	34	35	35
Statoil	59	63	66	69	72	71
Hydro Texaco	19	20	21	22	22	22
Lukoil	111	114	116	116	122	118
Neste	27	30	33	36	36	37
Others	499	506	510	508	448	284
Total	744	760	780	785	735	567

Source: AB Ventus-Nafta information.

Market data

Refining sector in Poland ⁽¹⁾

Refinery	2000			2001			2002			2003			2004			2005			2006			2007			2008			2009		
	crude distillation capacity kt	crude processed kt	utilisation %	crude distillation capacity kt	crude processed kt	utilisation %	crude distillation capacity kt	crude processed kt	utilisation %	crude distillation capacity kt	crude processed kt	utilisation %	crude distillation capacity kt	crude processed kt	utilisation %	crude distillation capacity kt	crude processed kt	utilisation %	crude distillation capacity kt	crude processed kt	utilisation %	crude distillation capacity kt	crude processed kt	utilisation %	crude distillation capacity kt	crude processed kt	utilisation %	crude distillation capacity kt	crude processed kt	utilisation %
Plock Refinery ⁽²⁾	13,500	12,537	92.9	13,500	12,319	91.3	13,500	12,474	92.4	13,500	11,724	86.8	13,500	12,194	90.3	13,500	12,570	93.1	13,800	13,612	98.6	13,800	13,646	98.9	14,100	14,218	100.8	14,300	14,526	101.6
Trzebinia Refinery	400	400	100.0	500	446	89.2	500	437	87.4	500	423	84.6	500	331	66.2	500	79	15.8	500	21	4.2	500	148	29.6	500	239	47.8	370	247	66.8
Jedlicze Refinery	140	127	90.7	135	116	85.9	135	130	95.9	135	125	92.6	135	130	96.3	135	115	85.2	135	115	84.9	135	122	90.4	135	80	59.3	115	68	58.7
Total ORLEN Group	14,040	13,064	93.0	14,135	12,881	91.1	14,135	13,041	92.3	14,135	12,272	86.8	14,135	12,655	89.5	14,135	12,764	90.3	14,435	13,748	95.2	14,435	13,916	96.4	14,735	14,537	98.7	14,785	14,841	100.4
Gdansk Refinery	4,500	4,245	94.3	4,500	4,171	92.7	4,500	3,932	87.4	4,500	4,592	102.0	4,500	4,744	105.4	6,000	4,837	80.6	6,000	6,099	101.7	6,000	6,156	102.6	6,000	6,203	103.4	6,000	5,462	91.0
Czechowice Refinery ⁽³⁾	680	648	95.3	680	629	92.5	680	582	85.6	680	393	57.8	680	620	91.2	600	524	87.3	600	154	25.7	600	0	0.0	0	0	0.0	0	0	–
Gorlice Refinery ⁽⁴⁾	170	131	77.1	170	144	84.7	170	141	82.9	170	110	64.7	170	46	27.1	170	0	0.0	170	0	0.0	170	0	0.0	0	0	0.0	0	0	–
Jaslo Refinery ⁽³⁾	150	95	63.3	150	90	60.0	150	83	55.3	150	61	40.7	150	42	28.0	150	42	28.0	150	42	28.0	150	66	44.0	150	61	40.6	0	0	–
Total	19,540	18,183	93.1	19,635	17,915	91.2	19,635	17,779	87.4	19,635	17,428	88.8	19,635	18,107	92.2	21,055	18,167	86.3	21,355	20,043	93.9	21,355	20,138	94.3	20,885	20,801	99.6	20,785	20,302	97.7

Source: Nafta Polska, PKN ORLEN.

¹⁾ Assumes nameplate crude distillation capacity as at the start of the year.

²⁾ Deep processing capacity (nameplate crude distillation capacity 17.8 million tonnes p.a.).

³⁾ Czechowice and Jaslo refineries stopped crude oil throughput, assets restructuring process started.

⁴⁾ Glimar refinery was sold in 2008.

Filling stations in Poland

	2000	2001	2002	2003	2004	2005	2006 ⁽²⁾	2007 ⁽²⁾	2008 ⁽²⁾	2009 ⁽²⁾
ORLEN Group, of which:	2,077	2,041	1,933	1,903	1,906	1,927	1,932	1,897	1,803	1,747
PKN ORLEN – DoDo	631	632	619	564	529	465	345	242	146	81
PKN ORLEN – DoFo			1	20	58	92	158	245	318	336
Lotos Group	275	314	333	336	368	362	403	379	355	327
Multinationals of which:	703	776	826	862	936	962	985	1,106	1,223	1,312
BP	130	146	280	280	285	303	307	342	359	384
Statoil	110	122	211	226	241	229	224	247	272	291
Shell	154	197	213	219	223	247	272	311	349	381
Jet	43	44	52	59	68	76	83	105	110	113
Hypermarkets	bd	3	11	19	32	59	98	105	123	130
Others ⁽¹⁾	3,527	3,500	3,600	4,100	4,250	4,334	3,450	3,392	3,350	3,199
Total	6,582	6,631	6,692	7,201	7,490	7,644	6,868	6,879	6,854	6,715

Source: Nafta Polska, PKN ORLEN, Polish Chamber of Liquid Fuels.

CoDo – Company owned Dealer operated.
DoDo – Dealer owned Dealer operated.
DoFo – Dealer owned Frenshised operated.

¹⁾ Estimates.

²⁾ Change of data source. From 2006 data come from Polish Association for Industry and Naphtha Trade. It made number of filling stations more realistic.

Excise tax and import duties on fuels

Excise tax in Poland	2001	2002	2003	2004	2005	2006	2007	2008	2009
at the beginning of the year	PLN/1000 l	PLN/1000 l	PLN/1000 l	PLN/1000 l	PLN/1000 l	PLN/1000 l	PLN/1000 l	PLN/1000 l	PLN/1000 l
Gasoline	1,346	1,464	1,498	1,514	1,565	1,315	1,565	1,565	1,565
Diesel ⁽¹⁾	902	980	1,003	1,014	1,099	1,099	1,099	1,099	1,048
JET A-1 – aviation fuel	923	1,003	1,026	1,037	1,072	1,072	1,072	1,072	1,072
Import duties	1998	1999	2000⁽²⁾	2001–2009					
Gasoline	10%	5%	3%	–					
Diesel	15%	11%	4%	–					

Source: Nafta Polska, europa.eu.int.

¹⁾ Since 2009 the excise tax presented for diesel with sulphur content up to 10 ppm. For the years 2001–2008 the excise tax presented for diesel with sulphur content up to 50 ppm.

²⁾ Import tariffs were lifted in September 2000.

Quality standards on fuels

Comparison of fuel quality standards in Poland (PL), Czech Republic (CZ), Slovak Republic (SK), Hungary (HU) and EU.

Gasoline standards	units	PL	CZ, HU, SK	EU	EU	EU
		2003	2003	from 2000	from 2005	from 2009
sulphur content	mg/kg, max.	150	150	150	50/10 ⁽¹⁾	10
aromatics content	% vol. max	42	42	42	35	35
benzene content	% vol. max	1	1	1	1	1
olefins content	% vol. max	18	21/18 ⁽²⁾	18	18	18

Diesel standards	units	PL	CZ, HU, SK	EU	EU	EU
		2003	2003	from 2000	from 2005	from 2009
sulphur content	mg/kg, max.	350	350	350	50/10 ⁽¹⁾	10
polyaromatic content	% (m/m), max.	11	11	11	11	11
cetane number	minimum	51	51	51	51	51

Source: Nafta Polska, OECD, PKN ORLEN.

¹⁾ 10 ppm sulphur content gasoline should be available in all regions.

²⁾ Value of 21% relates to unleaded fuel with 91 octane number.

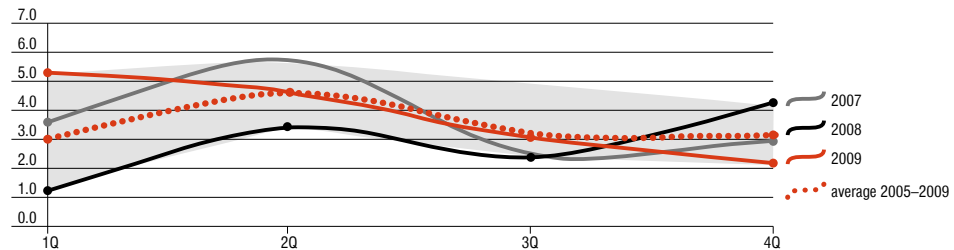
Market quotations

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
PLN/USD – end of period	4.143	3.986	3.839	3.741	2.990	3.261	2.911	2.435	2.962	2.850
PLN/USD – period average	4.346	4.094	4.080	3.890	3.654	3.235	3.103	2.748	2.412	3.116
PLN/EUR – end of period	3.854	3.522	4.020	4.717	4.079	3.860	3.831	3.582	4.172	4.108
PLN/EUR – period average	4.011	3.669	3.856	4.398	4.534	4.025	3.895	3.777	3.532	4.341
PLN/CZK – end of period	0.110	0.111	0.128	0.145	0.134	0.133	0.139	0.135	0.154	0.155
PLN/CZK – period average	0.113	0.108	0.125	0.138	0.142	0.135	0.138	0.136	0.141	0.164
PLN/LTL – end of period	–	–	–	1.366	1.181	1.118	1.110	1.037	1.200	1.197
PLN/LTL – period average	–	–	–	1.274	1.312	1.165	1.128	1.096	1.013	1.250
USD/bbl										
Brent crude – end of period	22.77	19.01	30.40	30.13	40.50	57.80	58.92	96.03	36.55	77.67
Brent crude – period average	28.54	24.44	25.04	28.86	38.29	54.45	65.12	72.38	97.26	61.70
Differential Brent/Ural	1.43	1.33	1.22	1.77	4.12	4.20	3.91	3.24	2.90	0.81
USD/tonne										
Unleaded gasoline 95	307	257	250	299	403	539	632	711	853	591
Naphta	–	219	223	274	377	476	564	676	792	535
Diesel	278	237	223	276	392	545	608	678	956	543
JET A-1 aviation fuel	297	245	233	283	400	568	651	714	1,007	567
Light heating oil	–	223	212	260	358	514	589	644	930	525
Heavy heating oil	–	115	131	149	152	230	287	340	461	346
Ethylene	608	552	486	586	791	915	1,086	1,024	1,608	1,041
Propylene	501	413	429	533	693	885	1,039	1,182	1,405	863
Polyethylene *	843	717	810	960	1,063	1,221	1,293	1,653	1,737	1,331
Polypropylene *	716	651	778	880	916	1,091	1,266	1,584	1,618	1,254
PCV	785	568	663	752	1,039	1,039	1,174	1,012	1,072	826

Source: NBP PKN ORLEN SA, Market quotations.

* – USD/t – price in Plock, BOP – Basell Orlen Polyolefins Sp. z o.o.

Model refinery margin ORLEN Group in USD/bbl; quarterly average⁽¹⁾

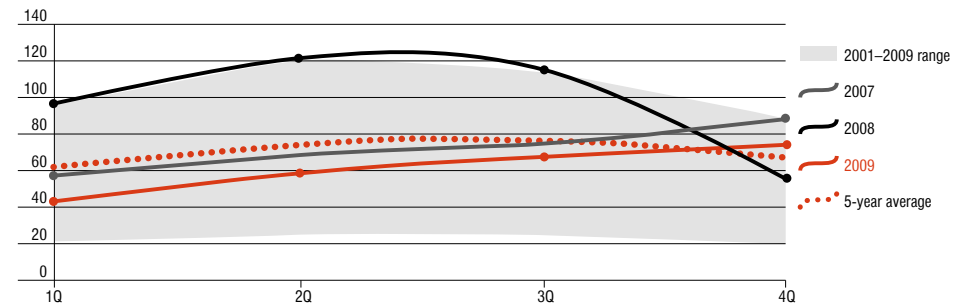


Model ORLEN Group margin					
USD/bbl	1Q	2Q	3Q	4Q	Annual average
2005	3.1	5.0	4.9	4.1	4.3
2006	1.8	4.2	2.9	2.1	2.7
2007	3.6	5.7	2.5	3.0	3.7
2008	1.3	3.4	2.4	4.2	2.8
2009	5.3	4.6	3.1	2.2	3.8

Source: quotations based on CIF NWE, excluding HSFO FOB ARA.

¹⁾ Model refinery margin PKN ORLEN Group = revenues from product sales (88% Products = 22% Gasoline + 11% Naphtha + 38% Diesel + 3% LHO + 4% JET + 10% HHO) less costs (100% feedstock = 88% Brent crude + 12% internal consumption); price of products based on market quotations.

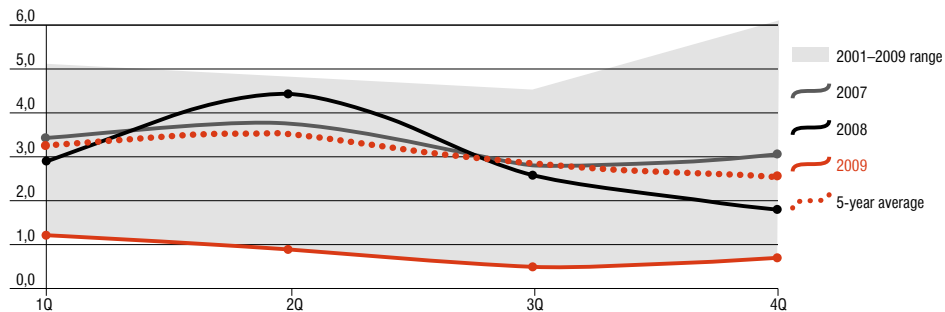
Brent crude oil price in USD/bbl; quarterly average



USD/bbl	1Q	2Q	3Q	4Q	Annual average
2001	25.8	27.4	25.3	19.4	24.5
2002	21.1	25.1	26.9	26.8	25.0
2003	31.5	26.0	28.4	29.4	28.8
2004	32.0	35.4	41.5	44.0	38.2
2005	47.7	51.6	61.6	56.9	54.5
2006	61.8	69.6	69.6	59.6	65.1
2007	57.8	68.8	74.7	88.4	72.4
2008	96.7	121.3	115.1	55.5	97.2
2009	44.5	59.1	68.1	74.5	61.6

Source: Market quotations.

Ural/Brent differential USD/bbl; quarterly average⁽¹⁾



USD/bbl	1Q	2Q	3Q	4Q	Annual average
2001	1.8	1.8	1.2	0.6	1.3
2002	1.2	1.3	1.1	1.3	1.2
2003	2.1	2.0	1.3	1.7	1.8
2004	2.9	3.1	4.3	6.1	4.1
2005	5.1	3.6	4.5	3.6	4.2
2006	3.6	4.8	3.7	3.6	3.9
2007	3.4	3.7	2.8	3.0	3.2
2008	2.9	4.4	2.6	1.8	2.9
2009	1.2	0.9	0.5	0.7	0.8

Source: Market quotations.

¹⁾ Since 2008 the data computed according to formule: Spread Ural Rdam vs fwd Brent
Dtd = Med Strip - Ural Rdam (Ural CIF Rotterdam).

Macroeconomic data

POLAND	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
GDP growth	6.0	6.8	4.8	4.5	4.2	1.1	1.4	3.8	5.3	3.5	6.1	6.5	5.3	3.7
Nominal GDP (USD bn)	144	144	159	155	158	178	192	210	242	306	337	486	567	423
GDP per capita (USD)	3,727	3,725	4,098	4,014	4,078	4,560	5,008	5,482	6,332	7,986	8,846	12,769	17,500	17,989
Domestic demand ⁽¹⁾	9.7	9.2	6.4	4.8	3.1	-1.4	0.9	2.7	4.5	2.4	5.8	8.5	6.1	3.8
Inflation	19.9	14.9	11.8	7.3	10.1	3.6	0.8	1.7	4.4	0.7	1.4	2.3	4.2	4.0
Unemployment ⁽²⁾	13.2	10.3	10.4	13.1	15.1	17.4	18.1	19.5	19.1	17.6	14.9	9.6	7.7	8.4

UE-15	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
GDP growth	1.6	2.5	2.9	2.6	3.3	1.6	1.0	0.8	2.0	1.4	2.7	2.6	1.7	-4.1
Nominal GDP (USD bn)	8,776	8,220	8,542	8,542	7,854	7,895	7,938	8,643	10,511	9,954	10,515	18,045	18,493	16,191
GDP per capita (USD)	23,550	21,996	22,803	22,750	20,862	20,919	20,980	22,723	27,468	32,941	33,522	45,876	29,342	32,700
Domestic demand ⁽¹⁾	1.4	2.3	3.9	3.2	3.0	1.4	0.8	1.5	1.9	1.7	2.4	2.3	3.0	0.1
Inflation %	2.4	1.7	1.3	1.2	2.1	2.3	2.1	2.0	2.0	2.2	2.2	2.1	3.4	0.3
Unemployment ⁽²⁾	10.2	10.0	9.4	8.7	7.8	7.3	7.6	7.9	8.0	8.6	7.9	7.4	7.5	9.3

Source: GUS, NBR, Eurostat, OECD, ECB, estimates.

¹⁾ Change on preceding year.

²⁾ Unemployment of people aged 15 – 74 as a percentage of the workforce. Workforce consists of working and non-working people.

Conversion table

Basic data		
1 barrel	= 0.1590 cubic metre	= 159.0 litres
1 cubic metre	= 6.2898 barrels	= 35.31 cubic feet

Crude oil and products		
	barrels of crude oil	
1 tonne of crude oil	= 7.4	(assuming a specific gravity of 34° American Petroleum Institute – API)
1 barrel of crude oil per day	= 50	metric tonnes of crude oil per year
1 tonne of LPG	= 11.6 barrels	= 1.84 cubic metre
1 tonne of gasoline	= 8.4 barrels	= 1.34 cubic metre
1 tonne of jet fuel	= 7.9 barrels	= 1.26 cubic metre
1 tonne of diesel or heating oil	= 7.4 barrels	= 1.18 cubic metre
1 tonne of fuel oil	= 6.4 barrels	= 1.02 cubic metre
1 tonne of lubricants	= 7.1 barrels	= 1.13 cubic metre
1 tonne of bitumen	= 6.2 barrels	= 0.99 cubic metre
1 tonne of aromatics	= 7.2 barrels	= 1.14 cubic metre
1 tonne of refined petroleum products	= 7.9 barrels (av.)	= 1.26 cubic metre

Additional information

Stock exchange identifier:		Warsaw	PKN ORLEN
1GDR=2 shares		London	POKD
		OTC	PSKNY
CUSIP No	REG S	731613204	
	144 A	731613105	
	Level 1 (OTC)	731613402	
Reuter 'ticker':		PKNAs.WA	POKDq.L
Bloomberg 'ticker':		PKN WA	

Other web-addresses	Group Companies
www.orien.pl	PKN ORLEN SA
www.orienlietuva.lt	AB ORLEN Lietuva
www.unipetrol.cz	Unipetrol a.s.
www.orien-deutschland.de	ORLEN Deutschland GmbH
www.anwil.com.pl	ANWIL SA
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www.rnjsa.com.pl	Rafineria Jedlicze SA
www.orien-oil.pl	ORLEN Oil Sp. z o.o.
www.solino.pl	IKS „Solino” SA
www.oriengaz.pl	ORLEN Gaz Sp. z o.o.

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