**TP: PLN109** 

- Following strong refining macro in July and August, margins have deteriorated in September.
- We leave our forecasts largely unchanged, expect norm. EBITDA LIFO of PLN4.3bn, down 10% YoY in 2H18 and PLN8.2bn, flat YoY in 2019F.
- PKN trades at EV/EBITDA of 5.5x for 2018F (vs. historical average 5.8x), 18 % discount to European refiners vs. historical 9% premium.





14 September 2018 7:40

# We drove too far. Downgrade to Neutral.

PKN's share price has risen 33% in the last 2M, outperforming the WIG index by 33 ppt mainly on the back of strong refining macro in July and August and speculations about lower probability of the nuclear project. We leave our forecasts largely unchanged and downgrade PKN from Buy to Neutral with a new TP of PLN109 (up from PLN104 mainly due to European refiners re-rating). We believe that 1) it is too early to fully price in the merger with Lotos, 2) the strategy announcement (due in autumn) is likely to have a neutral trading impact, 3) crude oil at US\$80/bbl is a risk to our forecasts and 4) there is still a risk of PKN taking part in the nuclear project (we assume 50% probability). PKN trades at EV/EBITDA of 5.5x for 2018F and 5.9x for 2019F, at a respective 18% and 5% discount to peers, which we find warranted by lower dividend yield and political risk.

Refining macro has deteriorated in September. Refining margins were strong in July and August, but have deteriorated in September with the MTD PKN model ref. margin (incl. B/U differential) of US\$6.3/bbl, down 36% YoY due to end of the driving season, higher crude price and narrow Ural/Brent differential. The hurricane season and autumn shutdowns may support margins, but we leave our macro forecasts largely unchanged with the Brent crude price assumed at US\$76/bbl in 2H18, US\$73/bbl in 2019F and PKN model ref. margin (incl. diff) of US\$6.7/bbl (down 11% YoY) in 2H18 and US\$6.3/bbl (down 6% YoY) in 2019F.

We leave our 2018-19F forecasts largely unchanged, higher crude price is a risk. We expect earnings momentum to slightly improve in 2H (compared with 1H norm. EBITDA LIFO drop of 27% YoY), but results to remain down YoY. We expect PKN norm. EBITDA LIFO of PLN4.3bn, down 10% YoY in 2H18 and PLN8.2bn, flat YoY in 2019F. Brent crude price above US\$80/bbl is the main risk to our forecasts.

Too early to fully price in the merger with Lotos. We expect PKN to file for antimonopoly consent to acquire Lotos in 4Q18. We maintain our view that due to the uncertainty regarding the structure of the merger and EC's approval we think it is too early to incorporate the merger into our model or estimate potential synergies, which are an upside risk to our forecasts. Moreover, we think the potential synergies are to a large extent discounted in the current share price of Lotos (which is above our TP of PLN54).

Discount to peers warranted due to lower dividend yield and political risk. PKN trades at EV/EBITDA of 5.5x for 2018F and 5.9x for 2019F, at a respective 18% and 5% discount to peers vs. historical average 9% premium and vs. historical 1YF EV/EBITDA of 5.8x. We think the discount is warranted due to lower dividend yield and political risk. We continue to include the nuclear power plant project in our valuation (negative NPV of PLN10/share) as we still see a risk that the government may force PKN to finance the project.

PKN: Financial forecasts and valuation

	2015	2016	2017	2018F	2019F	2020F
Norm. EBITDA (PLNm)	8 623	8 038	10 501	8 996	8 174	8 418
Norm. EBITDA LIFO (PLNm)	10 033	7 953	9 702	7 916	8 174	8 418
Net income (PLNm)	2 837	5 261	6 655	5 193	4 497	4 687
EV/EBITDA (x)	6.2	6.3	4.6	5.5	5.9	5.5
PER (x)	9.3	11.3	6.9	9.2	9.9	9.5
Dividend yield	1.6%	1.9%	2.9%	2.9%	2.9%	3.4%

Source: Bloomberg, Vestor DM estimates

#### Company data

Target Price (PLN)	109.0
Share Price (PLN)	104.3
Upside	5%
Previous Target Price	104.0
Min (52W)	80.2
Max (52W)	134.5
No. of shares (m)	427.7
Market cap. (PLNm)	44 589
Net debt (18F, PLNm)	4 916
EV (18F, PLNm)	48 156
Avg. 3M Turnover (PLNm)	64.9

Shareholders	%
State Treasury	27.5
NN OFE	7.0
Aviva OFE	6.6
PERN	4.9
Others	54.0

### Company description

Orlen is a leading refining and petrochemical company operating in the CEE. PKN operates 7 refineries, of which 3 are located in Poland (Plock, Trzebinia and Jedlicze), another 3 in the Czech Republic (Litvinov, Kralupy and Pardubice) and one in Lithuania (Mazeikiu). Total throughput capacity of PKN comes in at 35.2mt. The company's petrochemical assets are fully integrated with refining and have a capacity of 6.2mt. PKN's retail network comprises 2.8k fuel stations in Poland, Germany, the Czech Republic and Lithuania. Since 2013 the company has been developing its Upstream portfolio and currently is involved in projects in Poland and Canada with total 2P reserves of 152mboe.

#### PKN vs. WIG 1Y price performance



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i. the internal reporting system is to provide immediate information to the persons responsible for overseeing compliance with the principles set out in the Regulations for the event of a conflict of interest or risk of its origin;

ii. supervising their own transactions made by individuals, periodic inspection and assessment of the effectiveness of implemented by Vestor control systems and procedures; conducting the legally required registers and records, primarily registry conflicts of interest associated with a significant risk of damage to client interests;

d) Refusal of action: the right to refuse the Vestor activity to the client, if given the commitment to specific activity on behalf of another client Vestor cannot effectively manage potential conflicts of

e) The division of functions: the organization of employees' tasks are aimed at eliminating cases simultaneously or one after the other following the exercise of the employees' duties within the various

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Buy/Accumulate/Neutral/Reduce/Sell – means that, according to the authors of this document, the stock price may perform materially better/better/neutrally/worse/materially worse than the cost of equity of the respective stock.

The recommendation system of Vestor is based on determination of target prices and their relations to current prices of financial instruments; in addition, when recommendations are addressed to a wide range of recipients, two methods of valuation are required.

In preparing this document Vestor applied at least two of the following valuation methods:

- 1) Discounted cash flows (DCF),
- 2) Comparative valuation (including ROE-p/BV model),
- Target multiple,
- 4) Scenario analysis,
- 5) Dividend discount model (DDM),
- 6) net asset value (NAV),
- 7) Sum of the parts,
- 8) Discounted residual income model (DRIM),
- 9) Risk-adjusted net present value (rNPV).

The discounted cash flows valuation method (DCF) is based on discounted expected future cash flows. The method includes all cash flows the issuer is expected to generate in a given period and the cost of money over time. However, the DCF valuation method requires a number of assumptions and is very sensitive to changes in parameters used in the in the model. Small changes in assumptions may result in material changes in the valuation.

The comparative valuation method is based on the rule of "one price". The advantages of the method include 1) a small number of parameters to be estimated, 2) the fact that there is a relatively large number of indicators for companies being compared, 3) The method is well-known among investors, 4) valuation is based on current market conditions. On the other hand, a comparative valuation is strongly sensitive to the valuation of the companies classified as peers and may lead to a simplified picture of the company valued.

The target multiple valuation approach is based on the assumption that the value of the company should be equal to pre-specified values of selected price multiples. The advantage of this method is its simplicity and applicability to almost all of the companies. The target multiple approach is a highly subjective method, though.

The scenario analysis approach is based on the probability weighted valuation for three sets of assumptions: Bear case, base case and bull case with a different probability assigned. The base case is based on the assumptions included in financial forecasts and DCF valuation. The bear/bull case scenarios present a sensitivity towards negative/positive changes in various assumptions including market





size, market shares, profitability, growth, capex, valuation multiples etc. The advantage of this method is presentation of various scenarios and valuation sensitivity. A complexity and sensitivity to probability weights assumption may be found as disadvantages.

The dividend discount model (DDM) valuation is based on discounted future dividends that are expected to be paid out by the company over a period of time. The DDM model includes real cash streams that are expected to be received by shareholders and may be applied to companies with long-term dividend payout history. However, the DDM valuation method requires a number of assumptions.

The net asset value (NAV) approach considers the underlying value of the company's individual assets net of its liabilities. Among the advantages of the NAV approach are its applicability to asset holding companies and the fact that data required are usually easy to reach. On the other hand the NAV approach does not take into account future changes in revenues or income and can underestimate the value of intangible assets.

The sum of the parts approach values a company on the back of valuations of its separate divisions. The method is applicable to companies with very different business profiles, but requires identification of peers for business divisions comparison, what may be difficult to achieve.

The discounted residual income model includes equity at the end of a given financial year, excess equity (return on equity over cost of equity) the company is expected to generate in the estimation period and a discounted residual value post-estimation period. On one hand, the method includes profitability of the company compared to a cost of equity, but on the other hand it is strongly dependent on a number of parameters and assumptions.

The risk-adjusted net present value (rNPV) is a method used to forecast future cash flows in high-risk projects. In biotechnology, rNPV method involves forecasting future cash flows and applying probability rates of different phases of drug development. The main advantage of this method is the fact that it takes into account probability of success. The disadvantage of this method is the large number of assumptions and the high level of computational complexity.

Terminology used in the recommendation:

P/E - price-earnings ratio

PEG - P/E to growth ratio

EPS - earnings per share

P/BV – price-book value

BV – book value

EV/EBITDA - enterprise value to EBITDA

EV - enterprise value (market capitalization plus net debt)

EBITDA – earnings before interest, taxes, depreciation, and amortization

EBIT – earnings before interest and tax

NOPAT – net operational profit after taxation

FCF - free cash flows

ROE - return on equity

WACC - weighted average cost of capital

CAGR – cumulative average annual growth

CPI - consumer price index

COE - cost of equity

L-F-L - like for like

Recommendation definitions:

Buy - indicates a stock's total return to exceed more than 1.5x respective cost of equity over the next twelve months.

Accumulate - indicates a stock's total return to exceed more than respective cost of equity over the next twelve months.

Neutral - indicates a stock's total return to be in range of 0% to respective cost of equity over the next twelve months.

Reduce - indicates a stock's total return to be in range of minus respective cost of equity to 0% over the next twelve months.

Sell - indicates a stock's total return to be less than minus respective cost of equity over the next twelve months.

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No.	Company	Recommendation Date	Analyst	TP	Current price at the time	Recommendation	Time horizon
					of publication of the		
					recommendation		
60/201		2017-09-14	Michał Fidelus	340.0	311.0	Accumulate	12M
61/201	7 Bogdanka	2017-09-21	Marcin Stebakow	95.0	78.0	Buy	12M
62/201	7 JSW	2017-09-28	Marcin Stebakow	107	93	Buy	12M
63/201		2017-10-04	Aleksandra Jakubowska	2.0	1.45	Not rated	12M
64/201	•	2017-10-11	Marek Szymański	7.3	6.73	Not rated	12M
65/201		2017-10-13	Marcin Stebakow	3.0	2.0	Not rated	12M
66/201		2017-10-19	Marek Szymański	6962.0	7960.0	Sell	12M
•	7 CCC	2017-10-19	Marek Szymański	322.0	265.3	Buy	12M
68/201		2017-10-24	Michał Fidelus	35.0	36.7	Reduce	12M
69/201		2017-10-24	Michał Fidelus	139	125.2	Accumulate	12M
70/201		2017-10-24	Michał Fidelus	370	356	Neutral	12M
71/201		2017-10-24	Michał Fidelus	393	452.5	Reduce	12M
72/201		2017-10-24	Michał Fidelus	193	191.2	Neutral	12M
73/201	•	2017-10-24	Michał Fidelus	75.0	70.0	Neutral	12M
74/201		2017-10-24	Michał Fidelus	7.7	7.55	Neutral	12M
75/201		2017-10-24	Michał Fidelus	80.0	70.2	Buy	12M
76/201		2017-10-24	Michał Fidelus	1.40	1.53	Reduce	12M
77/201	•	2017-10-24	Marek Szymański	19.0	13	Not rated	12M
78/201		2017-11-23	Marcin Stebakow	134	114.25	Buy	12M
79/201		2017-11-29	Marcin Stebakow	86.8	90.2	Reduce	12M
80/201		2017-12-05	Beata Szparaga-Waśniewska	455	305	Not rated	12M
81/201		2017-12-07	Marcin Stebakow	75	95	Accumulate	12M
82/201		2017-12-08	Aleksandra Jakubowska	63	69	Not rated	12M
83/201	•	2017-12-14	Marek Szymański	90	83.4	Accumulate	12M
84/201		2017-12-14	Marek Szymański	43	41.0	Neutral	12M
85/201		2017-12-14	Marek Szymański	3.3	2.7	Buy	12M
86/201		2017-12-14	Marek Szymański	4.1	3.5	Accumulate	12M
87/201		2017-12-14	Marek Szymański	23	16.55	Buy	12M
88/201		2017-12-14	Marek Szymański	23	15.39	Not rated	12M
1/201		2018-01-08	Michał Fidelus	45	44.3	Neutral	12M
2/201		2018-01-08	Michał Fidelus	152	134.3	Buy	12M
3/201		2018-01-08	Michał Fidelus	442	408.4	Accumulate	12M
4/201		2018-01-08	Michał Fidelus	443	496	Sell	12M
5/201		2018-01-08	Michał Fidelus	222	215	Neutral	12M
6/201	•	2018-01-08	Michał Fidelus	86	83	Neutral	12M
7/201		2018-01-08	Michał Fidelus	8.9	9.4	Reduce	12M
8/201		2018-01-08	Michał Fidelus	87	78	Accumulate	12M
9/201		2018-01-08	Michał Fidelus	1.55	1.71	Reduce	12M
10/201		2018-01-09	Beata Szparaga-Waśniewska	117	106.7	Neutral	12M
11/201	8 Lotos	2018-01-09	Beata Szparaga-Waśniewska	54	57.4	Reduce	12M





12/2018	PKP Cargo	2018-02-14	Marcin Stebakow	68	58.8	Buy	12M
13/2018	BZ WBK	2018-02-21	Michał Fidelus	436	385.8	Buy	12M
14/2018	Wielton	2018-02-23	Marcin Górnik	15.3	12.36	Buy	12M
15/2018	Selvita	2018-03-20	Beata Szparaga-Waśniewska	85	59	Not rated	12M
16/2018	JSW	2018-03-22	Marcin Stebakow	99	95.3	Neutral	12M
17/2018	Marvipol Development	2018-03-26	Marek Szymański	8.9	8.7	Not rated	12M
18/2018	Kruk	2018-03-28	Michał Fidelus	286	208	Buy	12M
19/2018	British Automotive Holding	2018-03-28	Marek Szymański	10.5	8.3	Not rated	12M
20/2018	Aplisens	2018-04-04	Michał Wojciechowski	15.1	12.9	Buy	12M
21/2018	Wielton	2018-04-05	Marcin Górnik	16.0	13.7	Buy	12M
22/2018	KGHM	2018-04-16	Marcin Stebakow	110.0	92.0	Buy	12M
23/2018	LPP	2018-04-18	Marek Szymański	9000	8965	Neutral	12M
24/2018	ccc	2018-04-18	Marek Szymański	310	272	Buy	12M
25/2018	mBank	2018-04-19	Michał Fidelus	441	439	Neutral	12M
26/2018	AC	2018-04-23	Marcin Górnik	38.5	40.8	Reduce	12M
27/2018	MZN Property	2018-05-08	Aleksandra Jakubowska	2.2	1.9	Not Rated	12M
28/2018	Pekao	2018-05-16	Michał Fidelus	148	118.7	Buy	12M
29/2018	Archicom	2018-05-24	Marek Szymański	23.0	15.9	Not Rated	12M
30/2018	РКО ВР	2018-05-25	Michał Fidelus	42.0	38.9	Neutral	12M
31/2018	Warimpex	2018-05-28	Marek Szymański	8.3	6.0	Brak	12M
32/2018	Handlowy	2018-06-20	Michał Fidelus	81.0	67.0	Buy	12M
33/2018	Dom Development	2018-06-25	Marek Szymański	90.0	86.0	Neutral	12M
34/2018	Atal	2018-06-25	Marek Szymański	43.0	37.0	Accumulate	12M
35/2018	LC Corp	2018-06-25	Marek Szymański	3.0	2.4	Buy	12M
36/2018	Lokum Deweloper	2018-06-25	Marek Szymański	25.0	18.8	Buy	12M
37/2018	ccc	2018-07-16	Marek Szymański	280.0	204.0	Buy	12M
38/2018	LPP	2018-07-16	Marek Szymański	9200.0	9105.0	Neutral	12M
39/2018	PKN	2018-07-19	Beata Szparaga-Waśniewska	104.0	81.06	Buy	12M
40/2018	CD Projekt	2018-07-25	Maciej Hebda	231.0	208.00	Accumulate	12M
41/2018	11 bit studios	2018-07-25	Michał Wojciechowski	511.0	426.0	Buy	12M
42/2018	PlayWay	2018-07-25	Maciej Hebda	195.0	149.0	Buy	12M
43/2018	Millennium	2018-07-30	Michał Fidelus	9.3	8.9	Neutral	12M
44/2018	BZ WBK	2018-08-02	Michał Fidelus	410.0	378.2	Accumulate	12M
45/2018	Synektik	2018-08-07	Beata Szparaga-Waśniewska	20.0	14.9	Buy	12M
46/2018	ML System	2018-08-28	Maciej Hebda	38.6	33.3	Not rated	12M
47/2018	CD Projekt	2018-08-29	Maciej Hebda	228.0	219.2	Neutral	12M
48/2018	11 bit studios	2018-09-03	Michał Wojciechowski	386.0	380.0	Neutral	12M
49/2018	Alior	2018-09-05	Michał Fidelus	85.0	66.9	Buy	12M
50/2018	British Automotive Holding	2018-09-05	Marek Szymański	2.2	1.9	Not rated	12M
51/2018	Wielton	2018-09-12	Marcin Górnik	15.5	9.7	Buy	12M
52/2018	Atal	2018-09-13	Marek Szymański	41	31.5	Buy	12M

