

Monday, September 24, 2018 | daily publication

## Morning Comments

### Equity Market, Poland

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DJIA	26,743.5	+0.32%	FTSE 100	7,490.2	+1.67%	Copper (LME)	6,363.0	+4.62%
S&P 500	2,929.7	-0.04%	WIG20	2,257.5	-0.05%	Crude Oil (Brent)	78.17	-0.36%
NASDAQ	7,987.0	-0.51%	BUX	35,783.5	-0.97%	USD/PLN	3.6649	+0.59%
DAX	12,430.9	+0.85%	PX	1,101.7	-0.17%	EUR/PLN	4.3065	+0.37%
CAC 40	5,494.2	+0.78%	PLBonds10	3.236	-0.002	EUR/USD	1.1749	-0.24%

### Company & Sector News

#### Banks

##### Alior and Millennium remain in the race for Eurobank assets

According to Polish daily Puls Biznesu, only Bank Millennium and Alior Bank remain in the race for Eurobank assets (SocGen subsidiary in Poland). The newspaper speculates that the Credit Agricole backed off from the contest whilst the closest to winning is Bank Millennium which to increase its chances for regulator consent is willing to take over one of the troubled fringe banks: SKOK Jaworzno or SKOK Piast. **We believe that the acquisition of Eurobank assets would be positive move for Bank Millennium and would largely justify current demanding valuation. Given its large excess capital Bank Millennium could finance the transaction without the capital increase. The acquisition would allow Bank Millennium to increase its market share in consumer loans by c.2 p.p. and would help the bank to realize its strategic goal of PLN 1bn net profit in two years. On the other hand we believe that Alior Bank will not be able to conclude the potential takeover without a nod from its shareholders as it needs to increase its capital by about PLN 1.5bn. The initial reaction of the Alior Bank shareholders to the news indicates that the transaction and the price for the assets would have to be very well justified to get the final AGM approval. (M. Konarski, M. Polańska)**

#### Getin Noble Bank

Hold – 2018-05-09  
Target price: PLN 1.40

##### Getin Noble Bank increases write-offs before 2Q announcement

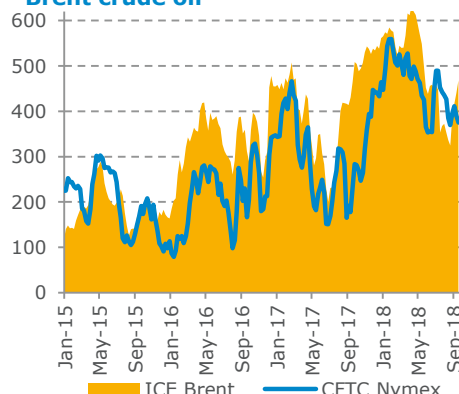
According to official statement, Getin Noble Bank increased 2Q'18 impairments on subsidiaries to PLN 100.3m from PLN 59.9m initially stated in the current report no 62/2018. Moreover, GNB wrote PLN 73.7m in impairments to its consolidate books on assets held for sale. **We believe the news is slightly negative as it will trigger a downgrade of full year consensus. GNB is struggling to clean its books however the current market valuation already includes 2Q large loss. We believe that the write down should ease investor worries regarding GNB performance and write-downs for the future. (M. Konarski)**

#### Oil&Gas

##### Bullish bets on Brent rose 4 weeks in a row

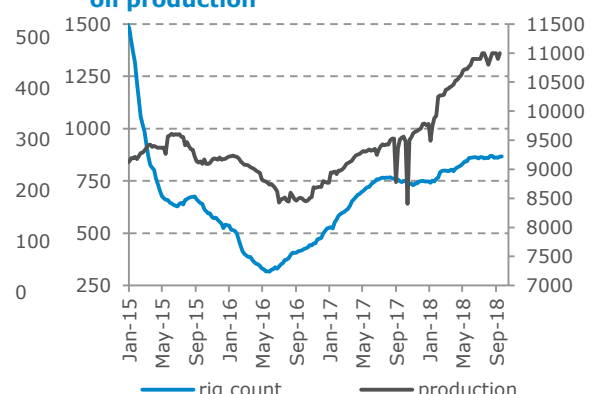
According to the weekly report by the US Commodity Futures Trading Commission, net speculative long positions in WTI crude last week decreased by 13,200 to 333,000 (with the 12-month average at 378,000). At the same time, ICE speculative positions in Brent were up 4 week in a row by 27,000 to 467,000 contracts (vs. a 12-month average of 505,000). Meanwhile, the Baker Hughes rig count dropped by 1 after increasing by 7 a week before. **Market sentiment improved during the weekend because OPEC' meeting brought no further production cuts despite Donald Trump recent requests. (K. Kliszcz)**

Speculative net positions in WTI and Brent crude oil



Source: Bloomberg

US active oil rig count vs daily crude oil production



Source: Bloomberg

## Power utilities

### Speculations on Innogy Poland takeover

Dziennik Gazeta Prawna speculates that Innogy Poland, Warsaw district power distributor and supplier, can be an acquisition target for Polish State owned power utilities, most probably for PGE (further vertical integration of generation and supply). Innogy generates in Poland around PLN 0.4bn EBITDA and PLN 0.2bn net profit. **In the context of next year pressure on households segment, Innogy's results will be under pressure in 2019 so it is an opportunity for potential bidders. It is worth mentioned however that the base for Innogy Poland' valuation should be RAB of distribution segment.** (K. Kliszcz)

## Quarterly Earnings Results

### AmRest

Hold - 2018-04-06

Target price: PLN 426.00

### AmRest reports 2Q 2018 EBITDA miss

- AmRest missed analysts' expectations and our forecasts by 15%/4,9% on EBITDA line respectively. The negative surprise versus our estimates stemming from higher impairment losses, which wipe out better than expected results in the core business.
- The final revenue figure confirmed a 23.6% y/y rebound to EUR 364.2m revealed in an earlier preliminary release. At the same time, due to higher expenses on post-merger integration and investment in startup formats, revenue per restaurant suffered 5.7% contraction on the year to EUR 217,700. Sales adjusted for M&A activities increased by 11.9% y/y to EUR 320m in H1'18.
- Geographically, the biggest sales per unit falls were experienced in Poland and other CEE, alongside Russia (If adjusted for FX increased y/y), Germany, Spain and China. The other regions posted improvement in the period with very good performance in The Czech Republic and Hungary (see the following table).
- EBITDA for Q1 2018 increased 3,5% y/y to EUR 35m, but the EBITDA margin was down by 1.9pp at 9.6% due to higher costs of integration and increase in impairment losses which amounted to EUR 5.8m in 2Q 2018 vs. EUR 1.6m in 2Q 2017. In Q2 2018, EBITDA adjusted for M&A and impairment losses increased by 14.5% y/y and EBITDA margin strengthened by 0.3pp.
- The net debt/EBITDA ratio was 2.2x as of 30 June 2018 (vs. 2.2x in June 2017). Financing activity in Q2 was at EUR -7m vs. EUR -6,5m in Q2'17.
- On higher profits, operating cash flow increased to EUR 31.2m in Q2'18 from EUR 28.4m in Q2'17.
- Summing up, the Q2 2018 EBITDA result was significantly below analysts' expectations. EBITDA dynamics y/y was burdened by integration costs and normalization of the base in Q2'18. The costs of integrating new restaurants into the existing organization will continue to weigh on EBITDA dynamics in the Q3'18, which should be partly offset by a consolidation of Sushi Shop. After H1 2018 the company delivered 46%/40% of our FY 2018 forecast on sales/EBITDA line, respectively. We believe that the consolidation of Sushi Shop (acquired in Q3 2018) should enable the company to meet our EBITDA expectations for FY 2018. We expect EAT to pull back from the recent levels on the lower-than-expected Q2 earnings.** (P. Bogusz)

### Q2 2018 actuals vs. expectations

(EURm)	2Q'18	2Q'17	change	2Q'18E	differ.	consensus (median)	differ.	2018E	2017	change	H1'18/2018E
Revenue	364.2	294.8	23.6%	385.8	-5.6%	364.20	0.0%	1,536.7	1,236.9	24.2%	46.3%
EBITDA	35.0	33.8	3.5%	36.8	-4.9%	41.2	-15.0%	171.5	140.3	22.2%	39.8%
margin	9.6%	11.5%	-1.86pp	9.5%	0.07pp	11.3%	-1.7pp	11.2%	11.3%	-0.18pp	
EBIT	12.7	14.5	-12.5%	13.0	-2.3%	17.0	-25.3%	70.3	62.7	12.1%	34.7%
Pre-tax income	10.2	10.8	-5.3%	10.2	0.0%	-	-	59.5	49.5	20.2%	29.2%
Net income	8.2	7.7	6.8%	6.1	34.4%	9.5	-13.7%	47.3	42.8	10.5%	28.1%

Source: AmRest, E - estimates by Dom Maklerski mBanku, Consensus estimates provided by PAP

### Geographic breakdown of 2018 Q2 revenues, revenues per restaurant, EBITDA and EBITDA margin

(EURm)	Revenue		Revenue per restaurant		EBITDA		EBITDA margin	
	2Q'18	R/R	2Q'18	R/R	2Q'18	R/R	2Q'18	R/R
Poland	98.2	11.6%	211.9	-5.1%	11.8	9.0%	12.0%	-0.3pp
Czech Republic	41.0	26.4%	303.7	9.1%	8.8	39.8%	21.5%	2pp
Hungary	21.5	29.8%	257.5	5.7%	3.8	26.3%	17.7%	-0.5pp
Other CEE	11.6	25.2%	161.1	-4.3%	1.2	-37.7%	10.3%	-10.5pp
Russia	42.3	19.2%	234.3	-16.8%	6.0	35.1%	14.2%	1.7pp
Spain	56.8	11.1%	201.4	-1.1%	12.5	16.1%	22.0%	1pp
Germany	40.3	4.1%	173.7	-29.8%	-1.6	n.a.	-4.0%	-0.7pp
Other CEE	28.0	9.7x	157.7	325.8%	-0.3	n.a.	-1.1%	n.a.
China	20.1	16.5%	418.8	-2.9%	3.6	25.1%	17.9%	1.2pp
Unallocated	4.4	31.6%	n.a.	n.a.	-5.5	n.a.	n.a.	n.a.
<b>Total</b>	<b>364.2</b>	<b>24%</b>	<b>217.6</b>	<b>-5.7%</b>	<b>40.3</b>	<b>13.4%</b>	<b>11.1%</b>	<b>-1pp</b>

Source: AmRest, E - estimates by Dom Maklerski mBanku, Consensus estimates provided by PAP

## More News

<b>Altus TFI</b>	Troubled fund management group Altus TFI reduced its aggregate stake in Tower Investments below the 5% market to 4.874% from 9.33%, Tower Investments said in a market filing. The Trigon TFI fund manager had previously recorded a similar reduction below the 5% threshold on Wednesday.
<b>Elemental</b>	Listed waste management firm Elemental is focusing on accumulating cash and generating positive cash flows as it decided to suspend the acquisition program for a while, deputy CEO Michal Zygmunt told PAP.
<b>Getin Holding</b>	Financial group Getin Holding launched a 4:1 reverse split of its shares, with the new nominal share value at PLN 4.0, the company said in a market filing.
<b>GPW</b>	Warsaw stocks may see some transitional turmoil in the 12-18 months following Poland's upgrade to a developed market status by global index agency FTSE Russell and inclusion of select Polish companies in the Stoxx Europe 600 index taking effect Monday, WSE helmsman Marek Dietl told reporters on Friday. The reclassification should boost trade turnover and attract new investors in the longer term though, he believes.
<b>Herkules</b>	Hercules received no response from Trinac GmbH regarding the purchase offer of Trinac Polska for EUR 10 million. This offer was valid until September 20 - said Hercules in a statement.
<b>Idea Bank</b>	<p>Idea Bank will head to a regulatory supervised repair plan after mass impairments and earnings revisions pushed the bank to a PLN 404.6 mln Q2 net loss and a breach of profitability thresholds in its to-date repair program, the bank said in a market filing following publication of Q2 figures.</p> <p>Idea Bank sees loan sales in coming quarters flat at ca. PLN 2 bln and expects its NPL ratio to stabilize by end-2018 before declining from the beginning of 2019, CEO Tobiasz Bury and deputy CEO Magdalena Skwarzec told reporters.</p> <p>Listed lender Idea Bank will present an offer of conciliatory claim settlement to at least 66 of its clients who bought troubled debt collector GetBack's bonds via the bank, board member Tomasz Gorski told reporters. The bank will seek to do it two weeks after GetBack's restructuring proceedings are approved, Gorski added.</p>
<b>Idea Bank, GNB</b>	Idea Bank can turn the corner on financial losses already from the third quarter and refresh its view to a potential merger with sister institution Getin Noble Bank in November, CEO Tobiasz Bury asserted following the report on the massive Q2 loss.
<b>Protektor</b>	Listed specialist footwear producer Protektor sees the PLN 4.20 per share price in a bid placed by Luma Holding as unrepresentative of the company's fair value, Protektor said in a filing.
<b>Quercus TFI, Gino Rossi</b>	Funds in the Quercus group cut their aggregate stake in footwear firm Gino Rossi below the 5% threshold to 1.985 mln shares or 3.94% of capital, Gino Rossi said in a filing.
<b>State firms, Investments</b>	State co-owned companies will be able to make voluntary contributions to the yet-to-be-set-up local road fund FDS, a draft bill on FDS shows.

## Macroeconomics

### Retail sales slow down a bit in August as bump in new car registrations fail to lift actual sales; retail sales deflator above CPI

Real retail sales increased 6.7% y/y in August (9.0% nominally), a rate close to the market consensus but below our forecast. We were surprised to see low car sales figures for the month, basically in line with the results implied by working days. It seems that the huge jump in new car registrations (according to media reports, car dealerships registered as many cars as they could before the new, more stringent EU emission norms took effect in September) had no noticeable bearing on sales. Perhaps customers are waiting until the stockpiled cars get cheaper.

Among other categories, sales of food and sales in general stores experienced some relief after the previous poor prints, but they still did not reach the historical growth rates. This may have been due to bank holidays and trade-free Sundays. We are waiting for further information.

The big picture is still good when it comes to retail sales, with stronger momentum so far in the third quarter than in the same period last year recorded contrary to predictions of a slowdown due to a fewer working days. Consumption is simply not slowing down.

August was another month of acceleration in the retail sales' deflator. Retail sales prices are rising faster than the CPI, and an accelerating inflation in goods is another argument suggesting higher probability of the core inflation speeding up in the future.

The retail sales print is not of much importance to the market or the Monetary Council. Retail sales are just another piece of data that turned out to be consistent with the market consensus this month. In our opinion, still strong retail sales (excluding food and fuels) is a foundation for thinking about strong domestic demand and GDP, decreasing mostly because of the negative net exports (as demand is pouring out abroad). Prices growth, as a result of such a structure, should be firstly noticed in goods prices, which we are already seen to rise. However CPI declines are still ahead, because of base effects, and we doubt that investors will be able to ignore this and focus on the longer horizon.

#### mBank Research

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## Corporate Action Calendar

Date	Time	Company	Event
24-Sep		<b>Biuro Inwestycji Kapitałowych</b>	Investor meetings (Inner Value, ul. Wilcza 46, Warsaw) - registration required
24-Sep	11:00	<b>Selena FM</b>	Q2'18 earnings videoconference (contact: magdalena.okrzeja@genesispr.pl)
25-Sep		<b>AmRest</b>	Investor meetings (mBank HQ, ul. Senatorska 18, Warsaw) - registration required
25-Sep		<b>BBI Dev.</b>	Q2'18 earnings announcement
25-Sep	11:45	<b>Elektrobudowa</b>	Investor meetings (CC Group, Marszałkowska 89, Warsaw) - registration required
25-Sep		<b>Esotiq</b>	Last day to trade cum dividend (DPS PLN 1.00/share)
25-Sep	11:00	<b>Feerum</b>	Q2'18 earnings conference (Sheraton Hotel, Warsaw)
26-Sep	09:00	<b>Famur</b>	Q2'18 earnings conference (GPW, ul. Książęca 4, Warsaw)
26-Sep		<b>Famur</b>	Q2'18 earnings announcement
26-Sep	10:00	<b>Krynicki Rec.</b>	Q2'18 earnings conference (Sheraton Hotel, Warsaw)
26-Sep		<b>Polwax</b>	Q2'18 earnings announcement
26-Sep	12:30	<b>Vistula</b>	Q2'18 earnings conference (Sheraton Hotel, Warsaw)
27-Sep		<b>Getin Noble</b>	Q2'18 earnings announcement
28-Sep		<b>Ailleron</b>	Q2'18 earnings announcement
28-Sep		<b>Elemental</b>	Q2'18 earnings announcement
28-Sep		<b>Herkules</b>	Q2'18 earnings announcement
28-Sep	12:00	<b>Polnord</b>	Q2'18 earnings conference (GPW, Książęca 4, Warsaw)
28-Sep		<b>Tarczyński</b>	Q2'18 earnings announcement
30-Sep		<b>Pfleiderer Group</b>	Q2'18 earnings announcement

## Economic Calendar

Monday, 24 September 2018					
Time	Region	Data	Period	Forecast	Previous
10:00	Germany	IFO Business Climate	September		103.80
12:00	UK	CBI Industrial Trends	September		7
14:00	Poland	M3 Money Supply	August	0.30% m/m; 7.30% y/y	
Tuesday, 25 September 2018					
Time	Region	Data	Period	Forecast	Previous
07:00	Japan	Leading Indicators Index (F)	July		104.70
10:00	Poland	Unemployment Rate	July		5.90%
15:00	USA	House Price Index	July	0.20% m/m; 1.11% q/q	
15:00	USA	S&P/Case-Shiller Composite 20	July		6.30% y/y
16:00	USA	Conference Board Index	September		133.40
16:00	USA	Richmond Fed Index	September		24
Wednesday, 26 September 2018					
Time	Region	Data	Period	Forecast	Previous
08:00	USA	Interest Rate			1.75%; 1.75%
08:45	France	Consumer Confidence Index	September		97
08:45	France	Consumer Spending	August	0.10% m/m; 0.20% y/y	
12:00	UK	CBI Distributive Trades Report	September		29
16:00	USA	New Home Sales	August		627,000
Thursday, 27 September 2018					
Time	Region	Data	Period	Forecast	Previous
08:00	Germany	GfK Consumer Confidence	September		10.50
10:00	EU	M3 Money Supply	August		4.00% y/y
11:00	EU	Business Climate Indicator	September		1.22
11:00	EU	Consumer Confidence Index	September		-1.90
14:00	Germany	CPI Harmonized (P)	September	0.00% m/m; 1.90% y/y	
14:00	Germany	CPI (P)	September	0.10% m/m; 2.00% y/y	
14:30	USA	Durable Goods Orders Less Transportation	August		0.20% m/m
14:30	USA	Durable Goods Orders	August		-1.70% m/m
14:30	USA	GDP Deflator	Q2		2.20% q/q
14:30	USA	GDP	Q2	2.00% q/q; 2.80% y/y	
14:30	USA	PCE	Q2		2.60% y/y
14:30	USA	Core PCE	Q2		1.90% y/y
Friday, 28 September 2018					
Time	Region	Data	Period	Forecast	Previous
07:00	Japan	Housing Starts	August	-0.70% y/y; -0.70% y/y	
08:00	Germany	Import Price Index	August	-0.20% m/m; 5.00% y/y	
08:00	UK	Nationwide House Prices	September		-0.50% m/m
08:00	Germany	Wholesale Price Index	August	3.50% y/y; 3.50% y/y	
08:45	France	PPI	August	0.60% m/m; 4.00% y/y	
10:30	UK	Business Investment (F)	Q1	-0.40% q/q; 2.00% y/y	
10:30	UK	Capital Account Balance	Q2		-143m
10:30	UK	Current Account Balance	Q2		-17.72bn
10:30	UK	GDP	Q2	0.40% q/q; 1.20% y/y	
14:30	USA	Core PCE Deflator	August	0.20% m/m; 2.00% y/y	
14:30	USA	Personal Income	August		0.30% m/m
14:30	USA	Personal Spending	August		0.40% m/m

## Current Recommendations by Dom Maklerski mBanku

Company	Recommendation	Issued On	Price At Reco.	Target Price	Current Price	Upside/Downside	P/E		EV/EBITDA	
							2018	2019	2018	2019
<b>Financial Sector</b>						<b>+21.0%</b>	<b>11.3</b>	<b>10.2</b>		
Alior Bank	buy	2018-02-01	85.50	109.00	62.60	+74.1%	8.5	7.2		
Getin Noble Bank	hold	2018-05-09	1.17	1.40	0.55	+154.5%	11.1	4.1		
Handlowy	buy	2018-04-06	77.50	94.00	71.50	+31.5%	14.8	12.1		
ING BSK	accumulate	2018-08-02	190.00	212.00	175.00	+21.1%	14.5	12.8		
Millennium	sell	2018-08-02	9.12	7.00	8.90	-21.3%	15.0	13.6		
Pekao	buy	2018-02-01	135.90	157.00	107.80	+45.6%	13.0	10.7		
PKO BP	hold	2018-04-06	39.74	38.00	41.50	-8.4%	15.7	13.1		
Santander Bank Polska	accumulate	2018-09-03	376.00	430.00	373.40	+15.2%	14.7	12.1		
Komercni Banka	buy	2017-12-01	899.00	1,111 CZK	902.00	+23.2%	11.5	9.8		
Erste Bank	buy	2018-08-02	37.14	43.00 EUR	36.67	+17.3%	10.5	10.5		
OTP Bank	buy	2018-06-06	10,210	12,090 HUF	9,960	+21.4%	10.1	9.3		
PZU	accumulate	2018-08-02	42.00	47.50	39.46	+20.4%	11.1	10.0		
Kruk	buy	2018-09-17	187.80	292.77	200.00	+46.4%	10.7	9.0		
Prime Car Management	suspended	2018-08-23	7.96	-	8.40	-	-	-		
Skarbiec Holding	buy	2018-08-31	25.30	36.86	25.00	+47.4%	7.8	7.4		
<b>Chemicals</b>						<b>+52.8%</b>	<b>10.7</b>	<b>9.8</b>	<b>5.1</b>	<b>5.0</b>
Ciech	buy	2018-08-02	56.95	82.52	47.66	+73.1%	7.5	7.0	5.1	4.8
Grupa Azoty	hold	2018-09-03	38.00	41.13	31.38	+31.1%	13.9	12.5	5.1	5.2
Polwax	suspended	2018-09-14	7.70	-	7.34	-	-	-	-	-
<b>Oil &amp; Gas</b>						<b>+8.8%</b>	<b>8.6</b>	<b>12.2</b>	<b>4.7</b>	<b>5.5</b>
Lotos	sell	2018-09-03	69.90	57.21	73.12	-21.8%	10.2	14.4	5.5	6.9
MOL	buy	2018-09-03	2,870	3,296 HUF	2,830	+16.5%	8.1	9.9	3.7	4.1
PGNiG	buy	2018-09-03	5.82	7.86	6.05	+29.9%	8.4	7.1	3.9	3.3
PKN Orlen	sell	2018-09-03	98.24	81.38	97.64	-16.7%	8.7	14.5	5.5	7.7
<b>Power Utilities</b>						<b>+18.9%</b>	<b>3.8</b>	<b>3.9</b>	<b>3.7</b>	<b>3.4</b>
CEZ	sell	2018-07-04	550.00	440.96 CZK	571.00	-22.8%	21.6	20.0	8.6	8.4
Enea	buy	2018-05-29	9.57	12.62	7.51	+68.0%	3.6	2.8	3.7	3.2
Energa	buy	2018-09-03	8.40	15.27	7.61	+100.7%	3.8	3.9	3.3	3.1
PGE	buy	2018-05-29	9.28	13.60	9.37	+45.1%	5.7	5.6	3.6	3.4
Tauron	buy	2018-09-03	2.00	2.77	1.71	+62.0%	3.2	2.7	3.7	4.1
<b>Telecoms, Media, IT</b>						<b>+12.7%</b>	<b>19.6</b>	<b>16.8</b>	<b>6.9</b>	<b>6.1</b>
Netia	reduce	2018-06-06	5.00	4.30	4.62	-6.9%	42.0	50.8	5.5	5.8
Orange Polska	buy	2018-04-06	5.83	7.60	4.45	+70.8%	19.5	10.7	4.1	3.7
Play	hold	2018-08-30	21.90	22.60	19.96	+13.2%	6.4	7.2	5.4	5.4
Agora	buy	2018-09-14	8.48	15.40	8.62	+78.7%	43.3	54.0	3.3	3.7
Cyfrowy Polsat	accumulate	2018-06-15	22.76	24.90	22.16	+12.4%	12.9	11.0	6.9	6.1
Wirtualna Polska	accumulate	2018-09-03	57.00	60.00	50.00	+20.0%	19.6	16.8	10.7	9.0
Asseco Poland	accumulate	2018-09-03	45.90	49.00	45.40	+7.9%	13.4	14.7	8.0	7.8
CD Projekt	sell	2018-04-06	114.90	90.80	193.70	-53.1%	93.3	28.0	74.0	21.7
Comarch	accumulate	2018-05-09	145.00	166.50	170.00	-2.1%	24.5	18.0	9.7	8.4
<b>Industrials, Mining</b>						<b>+24.2%</b>	<b>14.3</b>	<b>6.3</b>	<b>6.5</b>	<b>4.7</b>
Famur	buy	2018-08-02	5.20	6.56	5.46	+20.1%	17.1	13.6	7.5	6.7
Grupa Kęty	hold	2018-09-03	387.50	367.45	379.50	-3.2%	13.8	13.1	9.4	8.8
JSW	buy	2018-09-03	77.00	98.00	68.72	+42.6%	4.1	5.4	2.1	2.3
Kemel	buy	2018-07-23	50.50	59.18	48.00	+23.3%	14.8	6.8	6.6	5.1
KGHM	buy	2018-09-03	90.80	104.21	89.50	+16.4%	7.6	5.9	4.5	3.3
Stelmet	buy	2018-09-03	11.35	20.45	8.90	+129.8%	16.9	5.8	6.4	4.3
<b>Construction</b>						<b>+36.7%</b>	<b>6.1</b>	<b>8.1</b>	<b>3.5</b>	<b>3.6</b>
Budimex	hold	2018-08-02	122.60	125.00	106.00	+17.9%	11.0	12.4	3.5	4.5
Elektrobudowa	hold	2018-06-06	69.00	71.00	30.50	+132.8%	6.1	6.0	1.2	1.3
Erbud	buy	2018-09-03	9.60	14.40	9.40	+53.2%	-	10.2	-	4.4
Unibep	buy	2018-04-06	7.50	10.10	4.90	+106.1%	5.6	4.8	3.7	2.8
<b>Property Developers</b>						<b>+28.4%</b>	<b>6.9</b>	<b>7.2</b>	<b>7.4</b>	<b>7.3</b>
Atal	buy	2018-07-04	36.40	42.86	33.50	+27.9%	6.8	7.2	6.2	6.7
Capital Park	buy	2018-04-06	5.95	8.35	5.45	+53.2%	10.8	9.1	17.7	17.0
Dom Development	buy	2018-08-02	72.80	87.80	66.00	+33.0%	6.9	7.2	5.6	6.1
Echo	buy	2018-04-06	5.23	5.63	4.41	+27.7%	6.0	5.5	7.1	7.3
GTC	hold	2018-04-06	9.39	9.60	8.28	+15.9%	9.9	8.6	14.4	13.6
LC Corp	buy	2018-06-22	2.39	3.58	2.47	+44.9%	5.9	5.5	7.8	7.4
<b>Retail</b>						<b>+19.5%</b>	<b>26.7</b>	<b>17.4</b>	<b>13.3</b>	<b>11.0</b>
AmRest	hold	2018-09-03	406.00	426.00	425.50	+0.1%	44.8	35.2	14.8	11.8
CCC	buy	2018-06-06	242.80	295.00	224.60	+31.3%	29.4	17.4	16.7	11.6
Dino	hold	2018-06-06	107.40	103.50	94.50	+9.5%	29.0	21.7	18.1	13.9
Eurocash	buy	2018-04-06	24.41	30.70	19.20	+59.9%	20.2	15.6	6.6	5.6
Jeronimo Martins	buy	2018-08-02	12.65	15.20 EUR	12.88	+18.1%	20.3	16.9	8.7	7.5
LPP	accumulate	2018-06-18	9,025	10,200	8,700	+17.2%	24.5	20.1	13.3	11.0
TXM	buy	2018-07-04	1.28	3.48	0.65	+435.4%	-	2.2	12.7	3.0
<b>Other</b>						<b>+18.0%</b>	<b>9.5</b>	<b>8.6</b>	<b>6.3</b>	<b>5.8</b>
PBKM	hold	2018-06-06	73.00	76.26	64.60	+18.0%	9.5	8.6	6.3	5.8

## Current Calls by Dom Maklerski mBanku

Company	Relative Positioning	Rated On	Price At Rating	Current Price	Change	P/E		EV/EBITDA	
						2018	2019	2018	2019
Industrials						13.1	9.8	4.9	4.7
Ailleron	neutral	2018-03-28	16.20	13.20	-18.5%	15.7	13.7	7.1	5.7
Asseco BS	neutral	2018-03-28	28.00	25.80	-7.9%	15.0	13.6	10.0	9.2
Asseco SEE	overweight	2018-04-26	11.70	11.20	-4.3%	10.2	9.8	4.5	4.1
Atende	overweight	2018-03-28	4.25	3.30	-22.4%	7.7	6.9	4.9	4.7
Wasko	neutral	2018-05-30	1.68	1.56	-7.1%	13.1	8.6	4.9	4.2
Industrials						8.8	8.7	6.5	5.9
Alumetal	neutral	2018-08-23	51.00	46.80	-8.2%	8.3	9.1	6.7	7.1
Amica	overweight	2018-09-13	112.80	108.80	-3.5%	7.6	7.2	5.3	4.8
Apator	neutral	2018-02-28	24.00	24.60	+2.5%	13.6	14.2	7.8	8.0
Boryszew	neutral	2018-09-05	6.25	5.11	-18.2%	9.0	7.2	6.5	5.8
Elemental	neutral	2018-04-27	1.09	1.50	+37.6%	6.0	5.3	5.5	4.9
Ergis	neutral	2018-04-27	4.06	3.70	-8.9%	8.3	7.8	6.0	5.6
Forte	overweight	2018-07-27	40.60	43.10	+6.2%	16.1	11.5	10.9	9.0
Kruszwica	underweight	2018-08-02	65.40	44.00	-32.7%	17.2	18.1	9.1	9.2
Mangata	underweight	2018-09-13	91.20	79.60	-12.7%	10.1	12.2	7.2	7.6
Pfleiderer Group	overweight	2018-08-08	37.30	36.50	-2.1%	18.1	18.0	6.5	6.0
Pozbud	overweight	2018-09-04	3.57	2.75	-23.0%	5.1	2.8	4.7	1.7
Tarczyński	neutral	2018-05-30	14.50	15.30	+5.5%	8.7	8.2	5.8	5.5
Construction Sector						20.9	9.2	5.3	4.0
Elektrotim	neutral	2018-05-28	5.80	4.05	-30.2%	24.6	10.4	4.4	3.7
Herkules	neutral	2018-01-25	3.67	3.00	-18.3%	9.4	6.6	5.1	4.2
Torpol	neutral	2018-05-28	6.40	5.22	-18.4%	24.4	7.6	6.5	3.9
Trakcja	underweight	2018-05-18	3.65	3.04	-16.7%	23.9	21.8	5.6	5.4
Ulma	neutral	2018-05-28	73.00	72.50	-0.7%	9.0	8.7	3.6	3.5
ZUE	neutral	2018-05-28	5.86	5.58	-4.8%	17.9	9.7	7.2	5.8
Property Developers						6.2	5.6	8.8	5.5
Archicom	overweight	2018-06-22	15.00	13.20	-12.0%	6.2	4.3	6.0	4.8
BBI Development	neutral	2018-04-26	0.66	0.51	-22.7%	11.8	5.6	13.0	5.5
i2 Development	neutral	2018-06-22	15.40	13.05	-15.3%	4.0	4.5	7.2	6.0
JWC	neutral	2018-06-22	3.48	2.94	-15.5%	8.0	3.2	8.8	3.9
Lokum Deweloper	overweight	2018-06-22	18.80	17.80	-5.3%	5.9	6.8	4.5	5.3
PA Nova	neutral	2018-03-29	22.30	18.80	-15.7%	6.1	7.1	10.0	11.2
Polnord	underweight	2018-06-22	9.04	9.59	+6.1%	-	-	-	-
Ronson	neutral	2018-06-22	1.09	1.10	+0.9%	11.9	7.9	12.6	11.1
Retail						11.2	9.1	7.6	6.2
Bytom	overweight	2018-05-23	2.92	2.63	-9.9%	11.7	10.7	7.6	6.7
Monnari	neutral	2018-07-13	6.60	6.09	-7.7%	9.3	8.6	3.8	3.3
Vistula	overweight	2018-05-23	4.79	3.91	-18.4%	11.2	9.1	7.7	6.2



**CEE bank valuations (2018-09-21)**

	Price	2018	P/E 2019	2020	2018	ROE 2019	2020	2018	P/BV 2019	2020	2018	DY 2019	2020
<b>POLISH BANKS</b>													
Alior Bank	62.60	8.5	7.2	-	13%	13%	-	1.0	0.9	-	0.0%	0.0%	-
Getin Noble Bank	0.55	11.1	4.1	1.8	1%	3%	6%	0.1	0.1	0.1	0.0%	0.0%	0.0%
Handlowy	71.50	14.8	12.1	-	9%	11%	-	1.3	1.3	-	5.7%	6.8%	-
ING BSK	175.00	14.5	12.8	11.7	13%	13%	12%	1.7	1.5	1.4	1.8%	2.1%	2.3%
Millennium	8.90	15.0	13.6	-	9%	9%	-	1.2	1.1	-	0.0%	1.7%	-
Pekao	107.80	13.0	10.7	-	9%	11%	-	1.2	1.2	-	7.3%	7.7%	-
PKO BP	41.50	15.7	13.1	-	9%	10%	-	1.3	1.2	-	1.3%	1.6%	-
Santander Bank Polska	373.40	14.7	12.1	10.6	10%	11%	12%	1.4	1.3	1.2	1.8%	3.4%	4.1%
<b>Median</b>		<b>14.6</b>	<b>12.1</b>	<b>10.6</b>	<b>9%</b>	<b>11%</b>	<b>12%</b>	<b>1.3</b>	<b>1.2</b>	<b>1.2</b>	<b>1.6%</b>	<b>1.9%</b>	<b>2.3%</b>
<b>INVESTORS IN POLISH BANKS</b>													
BCP	0.251	10.9	7.6	7.2	6%	8%	8%	0.6	0.6	0.6	1.2%	2.8%	5.6%
Citigroup	74.150	11.3	9.9	8.6	9%	10%	11%	1.0	0.9	0.9	2.1%	2.6%	3.0%
Commerzbank	9.570	13.0	10.8	8.0	3%	4%	5%	0.4	0.4	0.4	2.2%	3.3%	4.8%
ING	11.626	8.7	8.4	8.0	10%	10%	10%	0.9	0.8	0.8	5.9%	6.2%	6.5%
KBC	66.740	10.9	11.2	10.7	14%	13%	13%	1.6	1.5	1.4	5.4%	5.9%	6.2%
UCI	14.082	8.9	7.2	6.4	6%	8%	8%	0.6	0.5	0.5	2.5%	4.5%	6.8%
<b>Median</b>		<b>10.9</b>	<b>9.2</b>	<b>8.0</b>	<b>8%</b>	<b>9%</b>	<b>9%</b>	<b>0.7</b>	<b>0.7</b>	<b>0.7</b>	<b>2.4%</b>	<b>3.9%</b>	<b>5.9%</b>
<b>FOREIGN BANKS</b>													
Erste Bank*	36.67	10.5	10.5	9.7	11%	10%	10%	1.1	1.0	1.0	3.3%	4.0%	4.0%
Komerční Banka*	902.00	11.5	9.8	-	14%	14%	-	1.5	1.3	-	5.2%	4.8%	-
OTP*	9,960	10.1	9.3	-	15%	15%	-	1.5	1.3	-	2.5%	2.6%	-
Banco Santander	4.57	9.4	8.5	7.7	8%	9%	9%	0.8	0.7	0.7	4.9%	5.2%	5.8%
Deutsche Bank	10.50	22.9	11.8	8.6	1%	3%	4%	-	-	-	1.3%	2.7%	4.1%
Sberbank	193.44	5.1	4.7	4.3	23%	21%	21%	1.1	1.0	0.9	9.2%	10.6%	12.2%
VTB Bank	0.04	4.2	3.5	3.2	12%	12%	12%	0.5	0.4	0.4	9.5%	9.5%	9.5%
Piraeus Bank	2.09	58.1	6.8	3.6	0%	2%	4%	0.2	0.2	0.1	0.0%	0.0%	2.3%
Alpha Bank	1.25	9.4	5.8	4.6	2%	3%	4%	0.2	0.2	0.2	0.0%	0.0%	1.3%
National Bank of Greece	1.72	132.5	74.9	50.7	2%	3%	5%	3.0	2.9	2.7	0.0%	0.0%	0.1%
Eurobank Ergasias	0.66	8.4	5.7	4.5	3%	5%	6%	0.3	0.3	0.3	0.0%	0.0%	1.7%
Akbank	6.35	4.0	3.5	3.2	15%	15%	15%	0.6	0.5	0.4	7.0%	8.1%	8.3%
Türkiye Garanti Bank	6.61	4.0	3.5	2.9	15%	16%	17%	0.6	0.5	0.5	6.8%	7.6%	5.9%
Türkiye Halk Bank	6.17	2.2	1.8	1.5	13%	14%	-	0.3	0.2	0.2	3.5%	5.3%	-
Türkiye Vakıflar Bankası	3.30	2.2	2.6	2.6	15%	12%	-	0.3	0.3	0.3	2.0%	1.9%	1.1%
Yapı ve Kredi Bankası	1.75	3.7	3.1	2.5	10%	10%	12%	0.4	0.3	0.3	0.0%	2.8%	1.9%
<b>Median</b>		<b>8.9</b>	<b>5.7</b>	<b>3.9</b>	<b>11%</b>	<b>11%</b>	<b>10%</b>	<b>0.6</b>	<b>0.5</b>	<b>0.4</b>	<b>2.9%</b>	<b>3.4%</b>	<b>4.0%</b>

**Insurance company valuations (2018-09-21)**

	Price	2018	P/E 2019	2020	2018	ROE 2019	2020	2018	P/BV 2019	2020	2018	DY 2019	2020
<b>POLISH COMPANIES</b>													
PZU	39.46	11.1	10.0	9.4	20%	21%	21%	2.2	2.0	1.9	6.8%	6.8%	7.5%
<b>FOREIGN COMPANIES</b>													
Vienna Insurance G.	24.58	10.9	10.5	9.4	6%	6%	6%	0.7	0.6	0.6	3.8%	4.0%	4.4%
Uniqia	8.55	12.2	11.5	10.6	7%	7%	8%	0.9	0.9	0.9	6.1%	6.5%	6.8%
Aegon	5.56	8.4	7.8	7.4	7%	7%	7%	0.5	0.5	0.5	5.1%	5.3%	5.6%
Allianz	192.02	11.0	10.3	9.8	11%	12%	12%	1.2	1.2	1.1	4.5%	4.8%	5.1%
Aviva	4.91	8.7	8.1	7.5	12%	11%	-	1.1	1.1	1.1	6.1%	6.8%	7.7%
AXA	23.35	9.4	8.6	8.3	9%	9%	9%	0.8	0.7	0.7	5.7%	6.0%	6.3%
Baloise	150.00	12.5	11.8	11.0	9%	9%	9%	1.1	1.0	1.0	3.9%	4.1%	4.4%
Assicurazioni Generali	15.33	9.7	9.5	9.2	10%	10%	10%	0.9	0.9	0.9	5.9%	6.2%	6.6%
Helvetia	594.50	11.8	11.4	11.1	10%	10%	10%	1.1	1.1	1.0	4.1%	4.3%	4.4%
Mapfre	2.66	10.0	9.1	8.4	9%	10%	12%	0.9	0.9	0.9	5.7%	6.2%	6.8%
RSA Insurance	6.30	13.1	11.8	11.3	13%	14%	14%	1.7	1.6	1.5	3.7%	4.7%	5.0%
Zurich Financial	307.40	12.6	10.8	10.3	11%	13%	14%	1.4	1.4	1.3	6.2%	6.6%	7.0%
<b>Median</b>		<b>11.0</b>	<b>10.4</b>	<b>9.6</b>	<b>10%</b>	<b>10%</b>	<b>10%</b>	<b>1.0</b>	<b>1.0</b>	<b>0.9</b>	<b>5.4%</b>	<b>5.7%</b>	<b>5.9%</b>

Source: Dom Maklerski mBanku (Polish stocks and stocks marked with an asterisk), IBES/Bloomberg (foreign stocks)



## Gas &amp; Oil valuations (2018-09-21)

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020
OIL COMPANIES																
Lotos	73.12	5.5	6.9	5.6	0.6	0.6	0.6	10.2	14.4	12.7	11%	8%	10%	1.4%	2.9%	2.1%
MOL	2830.00	3.7	4.1	3.9	0.5	0.5	0.5	8.1	9.9	9.3	14%	12%	13%	4.5%	3.9%	4.1%
PKN Orlen	97.64	5.5	7.7	6.7	0.4	0.4	0.4	8.7	14.5	12.9	8%	5%	6%	3.1%	4.0%	2.4%
HollyFrontier	66.88	7.1	5.9	6.4	0.8	0.8	0.8	12.8	9.1	9.9	12%	14%	13%	2.0%	2.1%	2.1%
Andeavor	154.73	9.7	8.0	7.0	0.7	0.7	0.7	17.6	12.6	10.3	7%	8%	10%	1.6%	1.7%	1.9%
Valero Energy	112.24	8.8	6.6	5.3	0.5	0.5	0.4	17.2	11.1	8.2	5%	7%	8%	2.9%	3.1%	3.3%
Marathon Petroleum	83.37	8.7	7.3	5.9	0.7	0.6	0.6	17.0	11.9	9.3	8%	9%	10%	2.2%	2.4%	2.7%
Phillips 66	111.66	9.0	8.0	7.0	0.5	0.5	0.6	14.6	11.5	9.4	6%	7%	9%	2.8%	3.0%	3.3%
Tupras	135.70	7.7	7.2	6.3	0.6	0.5	0.5	10.2	9.0	7.7	8%	7%	8%	7.4%	8.4%	10.3%
OMV	45.94	3.8	3.6	3.6	0.8	0.8	0.8	9.0	8.3	8.3	22%	23%	23%	3.6%	4.0%	4.3%
Neste Oil	72.08	11.5	10.9	10.6	1.3	1.2	1.2	18.4	17.4	16.8	11%	11%	12%	2.8%	2.9%	3.1%
Hellenic Petroleum	7.64	5.7	5.9	5.8	0.5	0.5	0.4	8.0	8.7	8.5	8%	8%	8%	4.9%	5.3%	5.9%
Saras SpA	1.95	4.8	4.1	3.3	0.2	0.2	0.2	15.6	10.9	7.9	4%	5%	6%	4.1%	4.8%	6.2%
Motor Oil	22.60	5.4	5.4	4.7	0.3	0.3	0.3	10.3	10.6	9.3	6%	6%	7%	5.5%	5.7%	6.5%
Median		6.4	6.7	5.9	0.6	0.5	0.5	11.5	11.0	9.3	8%	8%	9%	3.0%	3.5%	3.3%
GAS COMPANIES																
A2A SpA	1.54	6.8	6.7	6.4	1.4	1.4	1.3	12.0	12.7	11.9	20%	20%	21%	4.3%	4.7%	5.1%
Centrica	150.20	5.0	5.0	5.0	0.4	0.4	0.4	11.5	11.6	11.3	9%	8%	8%	0.0%	0.0%	0.0%
Enagas	23.97	10.3	10.5	10.3	8.0	8.1	8.1	13.0	13.5	12.4	78%	78%	79%	6.3%	6.7%	7.0%
Endesa	18.65	7.4	7.2	7.1	1.3	1.3	1.3	13.7	13.4	13.1	17%	17%	18%	7.3%	7.5%	7.7%
Engie	12.62	6.0	5.7	5.5	0.9	0.9	0.9	12.7	11.4	10.6	15%	15%	16%	5.9%	6.3%	6.7%
Gas Natural SDG	23.69	9.4	8.9	8.5	1.7	1.6	1.6	25.2	16.9	16.0	18%	19%	19%	5.1%	5.5%	5.7%
Hera SpA	2.76	6.7	6.8	6.6	1.2	1.2	1.2	15.4	15.6	15.1	18%	17%	18%	3.6%	3.7%	3.8%
Snam SpA	3.80	12.0	11.9	11.7	9.7	9.6	9.5	13.2	13.0	12.5	81%	81%	81%	5.8%	6.1%	6.1%
PGNiG	6.05	3.9	3.3	2.9	0.8	0.7	0.7	8.4	7.1	7.2	21%	22%	23%	0.0%	3.6%	4.2%
BP	567.00	5.2	4.8	4.7	0.6	0.6	0.6	13.5	12.3	11.6	12%	13%	13%	0.0%	0.0%	0.0%
Eni	16.31	3.6	3.4	3.4	0.9	0.9	0.9	13.8	12.1	12.1	25%	26%	27%	5.1%	5.2%	5.3%
Equinor	158.64	3.0	3.0	2.8	0.8	0.8	0.8	3.5	3.5	3.5	27%	27%	27%	5.6%	6.4%	6.8%
Gazprom	1113.50	13.7	13.4	12.8	4.9	4.7	4.5	16.3	14.7	14.4	36%	35%	35%	1%	2%	2%
NovaTek	32.70	4.5	4.3	3.9	2.6	2.4	2.1	7.8	7.2	6.6	58%	57%	55%	11.7%	12.4%	13.1%
ROMGAZ	28.62	3.6	3.3	3.3	0.6	0.5	0.6	12.5	10.7	10.3	16%	17%	17%	7.7%	7.8%	7.9%
Shell	216.70	3.6	3.4	3.2	1.4	1.3	1.2	13.6	12.6	12.1	38%	39%	39%	0.1%	0.1%	0.1%
Total	54.90	6.6	6.1	6.1	1.2	1.1	1.1	14.0	12.7	12.5	18%	19%	19%	5.6%	5.7%	5.9%
Median		6.0	5.7	5.5	1.2	1.2	1.2	13.2	12.6	12.1	20%	20%	21%	5.1%	5.5%	5.7%

## Power generation company valuations (2018-09-21)

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020
ENERGY COMPANIES																
EDF	15.35	6.0	5.6	5.3	1.3	1.3	1.2	24.6	20.2	17.2	21%	22%	23%	2.0%	2.3%	2.9%
EDP	3.22	8.9	8.4	8.2	2.2	2.2	2.1	14.9	13.8	13.2	25%	26%	25%	5.9%	6.0%	6.0%
Endesa	18.65	7.4	7.2	7.1	1.3	1.3	1.3	13.7	13.4	13.1	17%	17%	18%	7.3%	7.5%	7.7%
Enel	4.63	6.4	6.1	5.9	1.4	1.3	1.3	11.4	10.3	9.7	21%	22%	22%	6.1%	6.8%	7.3%
EON	8.95	7.4	7.0	6.0	0.9	0.9	0.7	13.7	12.7	11.8	12%	12%	11%	4.8%	5.4%	5.9%
Fortum	21.78	15.0	15.2	13.9	4.8	4.7	4.6	23.1	18.0	15.7	32%	31%	33%	5.1%	5.1%	5.0%
Iberdola	6.48	9.0	8.4	7.9	2.3	2.2	2.1	13.8	12.9	12.2	25%	26%	26%	5.2%	5.4%	5.7%
National Grid	787.30	10.1	10.2	9.5	3.4	3.2	3.1	13.5	13.8	13.0	34%	32%	33%	0.0%	0.0%	0.0%
Red Electrica	18.07	9.5	9.2	9.3	7.3	7.1	7.2	13.8	13.3	13.7	77%	77%	77%	5.4%	5.8%	5.9%
RWE	21.33	7.5	7.3	9.8	0.9	0.9	1.4	14.4	12.6	10.9	12%	12%	14%	3.3%	3.8%	4.6%
SSE	1129.00	8.2	8.3	8.2	0.7	0.7	0.7	9.6	9.5	9.6	9%	8%	8%	0.0%	0.0%	0.0%
Verbund	39.62	10.2	8.8	8.0	3.3	3.0	2.8	37.4	29.2	24.5	32%	33%	35%	1.2%	1.6%	1.9%
CEZ	571.00	8.6	8.4	7.8	2.2	2.1	2.0	21.6	20.0	17.9	26%	25%	26%	5.8%	4.6%	5.0%
PGE	9.37	3.6	3.4	3.2	1.0	0.8	0.8	5.7	5.6	6.2	29%	25%	24%	0.0%	0.0%	4.4%
Tauron	1.71	3.7	4.1	3.7	0.7	0.7	0.7	3.2	2.7	2.8	20%	18%	19%	0.0%	0.0%	0.0%
Enea	7.51	3.7	3.2	3.6	0.9	0.7	0.8	3.6	2.8	3.6	23%	23%	21%	0.0%	0.0%	0.0%
Energa	7.61	3.3	3.1	3.3	0.7	0.7	0.7	3.8	3.9	4.2	22%	21%	21%	0.0%	0.0%	0.0%
Median		7.5	7.3	7.8	1.3	1.3	1.3	13.7	12.9	12.2	23%	23%	23%	3.3%	3.8%	4.6%

Source: Dom Maklerski mBanku (Polish stocks), IBES/Bloomberg (foreign stocks and stocks marked with an asterisk)

## Fertilizer producers and chemical companies (2018-09-21)

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020
FERTILIZER PRODUCERS																
Acron	4760.00	8.0	7.4	7.0	2.6	2.4	2.2	11.6	10.5	9.8	32%	32%	32%	6.4%	6.8%	6.9%
Uralkali	84.00	4.8	4.8	-	2.5	2.5	-	3.7	4.0	-	53%	53%	-	0.0%	0.0%	
Phosagro	2603.00	6.5	6.4	5.8	2.0	2.0	1.9	11.4	11.2	8.3	31%	31%	32%	4.7%	5.5%	6.1%
K+S	19.00	8.1	7.1	6.5	1.6	1.6	1.5	14.4	10.5	9.2	20%	22%	23%	3.0%	4.0%	4.3%
Yara International	388.40	-	55.5	45.3	8.7	8.4	7.5	-	-	-	12%	15%	17%	0.2%	0.4%	0.5%
The Mosaic Company	32.33	8.9	8.0	7.5	1.7	1.7	1.6	21.3	16.7	14.0	20%	21%	22%	0.3%	0.3%	0.7%
CF Industries	52.81	13.8	11.6	10.8	4.4	4.0	3.9	45.4	26.6	21.2	32%	35%	36%	2.4%	2.4%	2.5%
Israel Chemicals	2200.00	8.0	8.8	8.3	1.8	1.8	1.7	16.9	15.5	14.2	23%	20%	20%	0.0%	0.0%	0.0%
Grupa Azoty	31.38	5.1	5.2	5.7	0.5	0.5	0.6	13.9	12.5	11.7	10%	10%	11%	3.8%	2.2%	2.4%
ZA Police*	16.75	8.7	6.5	5.2	0.7	0.6	0.6	25.8	13.6	9.2	8%	10%	12%	3.2%	3.0%	3.0%
ZCh Pulawy*	95.00	3.4	2.6	2.4	0.4	0.4	0.3	10.6	7.6	6.8	11%	14%	15%	6.3%	8.4%	8.4%
Median		8.0	7.1	6.7	1.8	1.8	1.7	14.1	11.9	9.8	20%	21%	21%	3.0%	2.4%	2.7%
CHEMICAL COMPANIES																
Ciech	47.66	5.1	4.8	4.3	1.0	1.0	0.9	7.5	7.0	6.2	20%	21%	21%	15.7%	7.4%	9.2%
Akzo Nobel	82.40	18.9	15.9	14.0	2.4	2.3	2.2	29.1	24.2	20.3	13%	14%	16%	2.7%	2.7%	2.9%
BASF	81.63	7.4	7.1	6.7	1.4	1.3	1.3	12.5	11.6	10.8	19%	19%	19%	4.0%	4.1%	4.3%
Croda	5160.00	17.6	16.3	15.4	5.1	4.9	4.7	27.1	25.0	23.4	29%	30%	30%	0.0%	0.0%	0.0%
Sisecam	6.11	5.5	4.4	3.5	1.2	1.0	0.8	10.1	8.8	7.1	22%	23%	24%	3.1%	3.8%	4.2%
Soda Sanayii	7.32	8.6	7.0	5.5	2.2	1.8	1.7	8.2	7.3	6.0	26%	26%	31%	4.2%	5.6%	7.1%
Solvay	116.50	6.5	6.1	5.7	1.4	1.3	1.3	14.1	13.2	11.7	21%	22%	22%	3.2%	3.2%	3.3%
Tata Chemicals	736.75	8.9	8.3	7.8	1.7	1.7	1.6	15.8	16.3	14.9	19%	21%	21%	1.7%	1.6%	1.7%
Tessenderlo Chemie	32.75	7.9	6.4	6.0	0.9	0.9	0.8	16.1	12.2	10.5	12%	14%	14%	0.0%	-	-
Wacker Chemie	118.45	6.4	6.2	6.0	1.4	1.3	1.3	16.9	15.4	14.2	21%	21%	21%	3.3%	3.7%	4.0%
Median		7.6	6.7	6.0	1.4	1.3	1.3	14.9	12.7	11.2	21%	21%	21%	3.2%	3.7%	4.0%

## Machine and equipment manufacturers (2018-09-21)

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020
Atlas Copco	259.55	8.7	8.3	8.0	2.3	2.2	2.1	20.3	18.9	17.9	27%	26%	26%	2.7%	2.9%	3.0%
Caterpillar	156.38	10.9	9.9	9.2	2.2	2.1	2.0	13.5	12.3	11.3	20%	21%	21%	2.1%	2.2%	2.3%
Duro Felguera	0.03	-	-	-	0.8	0.8	-	-	-	-	-	-	-	0.0%	0.0%	-
Famur	5.46	7.5	6.7	6.4	1.6	1.6	1.4	17.1	13.6	11.8	21%	23%	23%	8.1%	8.3%	5.2%
Komatsu	3511.00	10.9	8.0	7.5	1.7	1.5	1.4	17.4	13.2	11.8	15%	19%	19%	2.1%	2.9%	3.3%
Sandvig AG	160.45	8.8	8.7	8.3	2.1	2.1	2.0	15.5	14.6	13.6	24%	23%	24%	2.6%	2.8%	3.1%
<b>Median</b>		<b>9.8</b>	<b>8.4</b>	<b>7.9</b>	<b>1.7</b>	<b>1.6</b>	<b>1.7</b>	<b>16.3</b>	<b>13.4</b>	<b>11.8</b>	<b>21%</b>	<b>22%</b>	<b>22%</b>	<b>2.1%</b>	<b>2.8%</b>	<b>3.2%</b>

## Mining company valuations (2018-09-21)

		EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
	Price	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020
POLISH COMPANIES																
JSW	68.72	2.1	2.3	3.0	0.7	0.7	0.8	4.1	5.4	8.6	33%	30%	25%	0.0%	7.3%	9.2%
KGHM	89.50	4.5	3.3	3.1	1.1	0.9	0.8	7.6	5.9	5.9	25%	26%	26%	0.0%	3.3%	5.9%
LW Bogdanka*	61.40	3.3	2.9	2.8	1.1	1.0	1.0	14.4	9.8	9.1	32%	34%	34%	2.0%	3.0%	4.2%
FOREIGN COMPANIES																
Anglo American	1760.80	4.5	4.7	5.0	1.4	1.5	1.4	9.7	10.4	11.3	32%	31%	28%	0.0%	0.0%	0.0%
Antofagasta	895.80	5.4	4.8	4.5	2.8	2.6	2.5	14.6	12.4	12.1	51%	54%	55%	0.0%	0.0%	0.0%
BHP Billiton	33.58	3.9	4.1	4.3	2.1	2.2	2.2	14.1	14.2	15.8	54%	54%	52%	2.6%	2.8%	2.4%
Boliden	245.20	4.7	4.9	5.1	1.3	1.3	1.3	9.0	10.1	10.6	28%	26%	26%	6.9%	6.5%	6.7%
First Quantum	17.18	8.5	6.0	4.6	3.9	3.1	2.5	16.8	10.2	7.3	46%	51%	54%	0.0%	0.1%	0.2%
Freeport-McMoRan	14.61	4.0	5.9	4.7	1.6	1.9	1.8	7.7	12.8	9.2	39%	33%	37%	1.2%	1.9%	3.4%
Hudbay Min	6.67	2.8	2.8	2.6	1.2	1.2	1.2	9.4	8.5	7.3	44%	45%	46%	0.2%	0.2%	0.2%
Lundin Min	7.13	4.6	4.1	3.3	1.9	1.8	1.6	14.4	12.9	9.2	42%	45%	48%	1.3%	1.2%	1.2%
MMC Norilsk Nickel	17.95	6.0	5.8	5.7	3.1	3.0	2.9	8.1	7.9	8.4	51%	51%	51%	8.8%	10.6%	10.5%
OZ Minerals	9.30	5.2	5.4	4.4	2.5	2.5	2.1	15.1	16.3	11.5	47%	46%	47%	2.1%	1.7%	2.4%
Rio Tinto	3921.00	4.3	4.7	4.7	2.0	2.1	2.0	10.7	11.8	12.0	46%	44%	43%	0.0%	0.0%	0.0%
Sandfire Resources	7.39	3.0	2.8	2.2	1.6	1.5	1.2	9.1	7.5	5.4	52%	52%	55%	3.7%	4.2%	5.9%
Southern CC	44.26	10.0	8.9	8.6	5.1	4.6	4.5	17.9	15.9	15.3	51%	52%	53%	3.9%	3.2%	3.2%
Vedanta Resources	829.80	4.7	3.9	3.5	1.2	1.3	1.0	12.1	6.8	5.0	26%	33%	28%	0.0%	0.0%	0.0%
Median		4.7	4.7	4.6	2.0	2.0	1.9	11.4	11.1	9.9	46%	46%	47%	1.3%	1.4%	1.8%

Source: Dom Maklerski mBanku (Polish stocks), IBES/Bloomberg (foreign stocks and stocks marked with an asterisk)

## European telecom valuations (2018-09-21)

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020
<b>POLISH COMPANIES</b>																
Netia	4.62	5.5	5.8	5.9	1.4	1.5	1.5	42.0	50.8	44.4	25%	25%	26%	0.0%	0.0%	0.0%
Orange Polska	4.45	4.1	3.7	3.3	1.1	1.1	1.0	19.5	10.7	7.4	27%	28%	29%	0.0%	0.0%	5.6%
Play	19.96	5.4	5.4	5.0	1.7	1.7	1.6	6.4	7.2	7.0	32%	31%	31%	13.0%	6.5%	6.5%
<b>Median</b>		<b>5.4</b>	<b>5.4</b>	<b>5.0</b>	<b>1.4</b>	<b>1.5</b>	<b>1.5</b>	<b>19.5</b>	<b>10.7</b>	<b>7.4</b>	<b>27%</b>	<b>28%</b>	<b>29%</b>	<b>0%</b>	<b>0.0%</b>	<b>5.6%</b>
<b>MID CAPS</b>																
Proximus	20.60	5.0	5.0	4.9	1.6	1.6	1.6	11.9	11.7	11.6	32%	32%	32%	7.3%	7.3%	7.3%
Telefonica CP	263.00	8.7	8.6	8.6	2.3	2.3	2.3	15.1	14.5	14.0	27%	27%	27%	7.7%	7.7%	7.7%
Hellenic Telekom	10.70	4.7	4.6	4.5	1.6	1.6	1.6	18.9	15.9	14.3	34%	34%	35%	4.3%	5.4%	6.0%
Matav	401.50	3.9	3.9	3.9	1.2	1.2	1.2	9.5	9.8	9.3	31%	31%	31%	6.2%	6.7%	7.1%
Telecom Austria	7.05	5.3	5.1	5.0	1.7	1.7	1.6	14.3	11.7	10.3	32%	32%	32%	2.8%	3.4%	3.8%
<b>Median</b>		<b>5.0</b>	<b>5.0</b>	<b>4.9</b>	<b>1.6</b>	<b>1.6</b>	<b>1.6</b>	<b>14.3</b>	<b>11.7</b>	<b>11.6</b>	<b>32%</b>	<b>32%</b>	<b>32%</b>	<b>6.2%</b>	<b>6.7%</b>	<b>7.1%</b>
<b>BIG CAPS</b>																
BT	228.85	4.3	4.4	4.4	1.4	1.4	1.4	8.4	8.7	8.7	32%	31%	32%	0.0%	0.0%	0.0%
DT	13.86	5.8	5.5	5.2	1.7	1.7	1.6	14.5	12.8	11.7	30%	31%	31%	5.1%	5.5%	5.9%
KPN	2.34	7.1	7.0	6.9	2.7	2.8	2.8	20.7	18.5	16.2	39%	40%	40%	5.5%	7.8%	9.0%
Orange France	13.77	4.9	4.8	4.7	1.5	1.5	1.5	12.6	11.6	10.5	31%	32%	32%	5.1%	5.4%	5.6%
Swisscom	445.30	7.3	7.3	7.3	2.6	2.6	2.6	15.3	15.4	15.6	36%	36%	36%	4.9%	4.9%	4.9%
Telefonica S.A.	6.85	5.7	5.6	5.5	1.8	1.8	1.8	9.8	8.9	8.4	32%	32%	33%	5.9%	6.0%	6.1%
Telia Company	41.24	8.4	8.1	8.1	2.7	2.7	2.7	15.5	14.7	14.2	33%	33%	33%	5.7%	5.9%	6.0%
TI	0.57	4.3	4.2	4.2	1.9	1.9	1.9	8.1	7.6	7.2	43%	44%	44%	0.7%	1.4%	2.5%
<b>Median</b>		<b>5.7</b>	<b>5.5</b>	<b>5.3</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>13.5</b>	<b>12.2</b>	<b>11.1</b>	<b>32%</b>	<b>33%</b>	<b>33%</b>	<b>5.1%</b>	<b>5.4%</b>	<b>5.8%</b>

## Media company valuations (2018-09-21)

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020
<b>POLISH COMPANIES</b>																
Agora	8.62	3.3	3.7	3.7	0.4	0.4	0.4	43.3	54.0	17.2	11%	10%	10%	5.8%	5.8%	5.8%
Cyfrowy Polsat	22.16	6.9	6.1	5.6	2.3	2.1	1.9	12.9	11.0	9.9	34%	34%	34%	0.0%	1.4%	2.3%
<b>Median</b>		<b>5.1</b>	<b>4.9</b>	<b>4.7</b>	<b>1.4</b>	<b>1.2</b>	<b>1.1</b>	<b>28.1</b>	<b>32.5</b>	<b>13.5</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>DAILY</b>																
Amolgo Mondadori	1.50	6.3	5.6	5.5	0.5	0.5	0.5	12.9	9.7	9.6	7%	9%	9%	0.7%	1.6%	2.4%
Axel Springer	58.20	10.6	9.7	8.9	2.5	2.4	2.3	20.3	18.1	16.3	23%	24%	25%	3.6%	3.7%	4.0%
Daily Mail	741.00	11.7	11.4	11.1	1.8	1.8	1.7	18.3	18.3	16.7	15%	15%	16%	0.0%	0.0%	0.0%
Gruppo Editoriale	0.36	6.1	6.2	6.1	0.5	0.5	0.5	11.6	10.6	10.9	7%	8%	8%	1.4%	3.3%	4.4%
New York Times	23.50	13.4	11.7	10.0	2.2	2.1	2.1	27.0	21.5	16.1	17%	18%	21%	0.7%	0.7%	0.7%
Promotora de Inform	2.02	8.7	8.4	7.6	1.7	1.8	1.7	12.8	18.3	17.1	20%	21%	23%	0.4%	0.4%	0.6%
Reach	61.80	1.6	1.6	1.6	0.4	0.4	0.4	1.7	1.6	1.7	23%	24%	25%	0.0%	0.0%	0.0%
<b>Median</b>		<b>8.7</b>	<b>8.4</b>	<b>7.6</b>	<b>1.7</b>	<b>1.8</b>	<b>1.7</b>	<b>12.9</b>	<b>18.1</b>	<b>16.1</b>	<b>17%</b>	<b>18%</b>	<b>21%</b>	<b>0.7%</b>	<b>0.7%</b>	<b>0.7%</b>
<b>TV</b>																
Atresmedia Corp	5.78	7.5	7.1	6.9	1.4	1.4	1.4	9.1	8.5	8.3	19%	20%	20%	9.3%	9.9%	10.2%
Gestevisión Telecinco	6.67	7.9	7.5	7.2	2.0	2.0	2.0	11.3	10.9	10.8	26%	27%	28%	8.9%	9.1%	9.2%
ITV PLC	151.35	8.1	8.0	7.5	2.2	2.1	2.0	9.8	9.8	9.1	27%	26%	27%	0.0%	0.0%	0.0%
M6-Metropole Tel	17.91	5.4	5.2	5.2	1.5	1.5	1.5	13.0	12.6	12.1	28%	28%	28%	5.5%	5.9%	6.0%
Mediaset SPA	2.62	3.5	3.7	3.7	1.4	1.5	1.5	16.7	11.1	9.3	39%	40%	40%	4.3%	5.9%	6.8%
Modern Times	331.80	12.2	11.3	10.1	1.2	1.2	1.1	21.2	19.9	17.4	10%	10%	11%	3.9%	4.0%	4.2%
Prosieben	21.76	6.5	6.1	5.8	1.6	1.6	1.5	9.4	8.9	8.4	25%	26%	26%	8.9%	9.3%	9.7%
RTL Group	62.40	7.7	7.5	7.2	1.6	1.6	1.5	13.3	12.1	12.2	21%	21%	21%	6.5%	6.5%	6.6%
TF1-TV Francaise	9.59	5.1	4.4	4.1	0.9	0.8	0.8	16.2	11.5	10.5	17%	19%	20%	3.8%	4.7%	5.2%
<b>Median</b>		<b>7.1</b>	<b>6.8</b>	<b>6.5</b>	<b>1.6</b>	<b>1.5</b>	<b>1.5</b>	<b>13.2</b>	<b>11.3</b>	<b>10.6</b>	<b>25%</b>	<b>26%</b>	<b>27%</b>	<b>4.9%</b>	<b>5.9%</b>	<b>6.3%</b>
<b>PAY TV</b>																
Sky PLC	1585.00	14.3	13.4	12.0	2.5	2.3	2.2	24.3	22.6	19.6	17%	17%	19%	0.0%	0.0%	0.0%
Cogeco	65.40	5.4	5.0	4.9	2.4	2.3	2.2	10.5	10.4	10.7	45%	46%	46%	2.9%	3.2%	3.2%
Comcast	37.90	8.1	7.7	7.3	2.6	2.6	2.4	14.9	13.6	11.8	32%	33%	33%	2.0%	2.2%	2.5%
Dish Network	36.51	8.4	9.6	11.0	1.7	1.7	1.8	13.5	16.1	22.6	20%	18%	16%	0.0%	0.0%	0.0%
Liberty Global	29.25	5.9	5.8	5.6	2.8	2.8	2.7	-	54.0	35.3	47%	48%	48%	0.0%	0.0%	0.0%
Shaw Communications	19.74	8.2	7.5	7.0	3.2	3.0	2.9	23.2	18.5	15.7	39%	40%	42%	7.8%	7.9%	7.9%
<b>Median</b>		<b>8.1</b>	<b>7.6</b>	<b>7.2</b>	<b>2.5</b>	<b>2.4</b>	<b>2.3</b>	<b>14.9</b>	<b>17.3</b>	<b>17.7</b>	<b>36%</b>	<b>37%</b>	<b>37%</b>	<b>1.0%</b>	<b>1.1%</b>	<b>1.2%</b>

Source: Dom Maklerski mBanku (Polish stocks), IBES/Bloomberg (foreign stocks)

## IT company valuations (2018-09-21)

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020
POLISH COMPANIES																
AB*	20.00	5.7	5.6	5.5	0.1	0.1	0.1	5.3	5.0	4.7	1%	1%	1%	0.0%	2.5%	4.6%
Asseco Poland	45.40	8.0	7.8	7.8	1.0	1.0	1.0	13.4	14.7	14.6	13%	13%	13%	6.6%	4.4%	4.4%
Comarch	170.00	9.7	8.4	8.0	1.1	1.1	1.0	24.5	18.0	16.5	12%	13%	13%	0.9%	5.9%	5.9%
Median		8.0	7.8	7.8	1.0	1.0	1.0	13.4	14.7	14.6	12%	13%	13%	0.9%	4.4%	4.6%
FOREIGN COMPANIES																
Atos Origin	108.25	6.8	6.1	5.8	0.9	0.9	0.8	12.5	11.1	10.6	14%	14%	15%	1.7%	1.9%	2.0%
CapGemini	110.25	10.7	9.9	9.3	1.5	1.4	1.4	18.5	16.5	15.2	14%	14%	15%	1.6%	1.8%	2.0%
IBM	151.35	8.7	8.4	8.8	2.1	2.1	2.1	11.0	10.8	10.3	24%	25%	24%	4.1%	4.3%	4.5%
Indra Sistemas	9.57	7.4	6.8	6.3	0.7	0.7	0.7	13.9	11.8	10.5	10%	10%	11%	0.7%	2.0%	2.5%
Microsoft	114.26	18.2	15.7	14.0	7.5	6.7	6.1	29.8	26.9	23.5	41%	42%	43%	1.5%	1.6%	1.7%
Oracle	51.10	10.5	10.2	9.7	4.9	4.8	4.6	16.5	15.2	14.1	47%	47%	48%	1.5%	1.5%	1.6%
SAP	103.72	16.5	14.6	13.2	5.2	4.8	4.5	23.6	21.1	18.9	32%	33%	34%	1.4%	1.6%	1.7%
TietoEnator	27.38	10.2	9.8	9.4	1.4	1.3	1.3	15.5	14.9	14.3	13%	13%	13%	5.2%	5.4%	5.5%
Median		10.3	9.9	9.4	1.8	1.8	1.7	16.0	15.0	14.2	19%	20%	19%	1.6%	1.8%	2.0%

## Construction company valuations (2018-09-21)

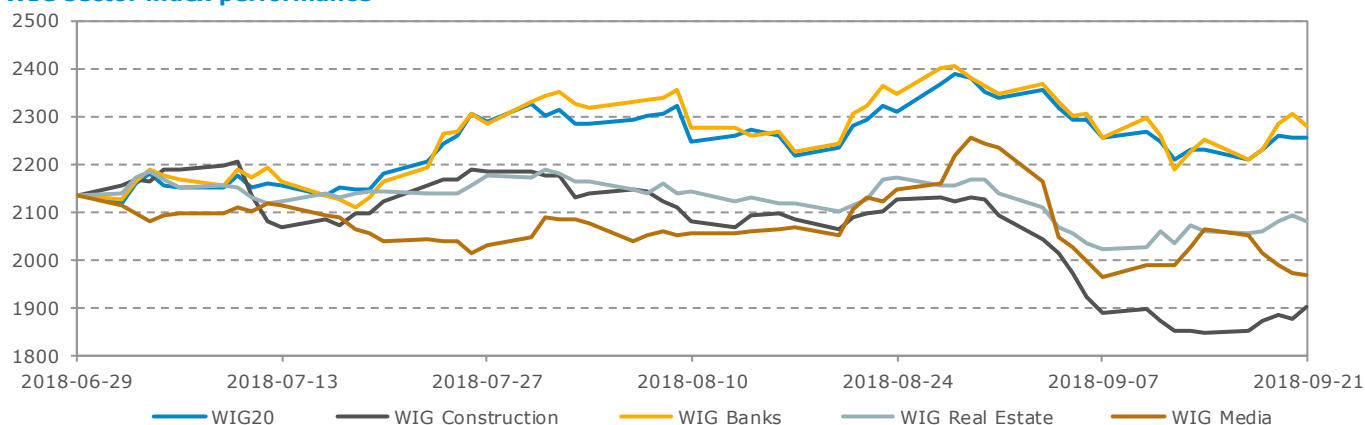
	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020
POLISH COMPANIES																
Budimex	106.00	3.5	4.5	4.9	0.2	0.2	0.2	11.0	12.4	11.8	5%	4%	5%	16.6%	8.7%	7.7%
Elektrobudowa	30.50	1.2	1.3	1.2	0.1	0.1	0.1	6.1	6.0	5.9	5%	5%	6%	34.4%	16.4%	16.4%
Elektrotim	4.05	4.4	3.7	3.0	0.1	0.1	0.1	24.6	10.4	8.1	3%	3%	4%	0.0%	4.9%	7.4%
Erbud	9.40	-	4.4	3.4	0.1	0.1	0.1	-	10.2	6.0	-	2%	2%	11.7%	0.0%	5.9%
Herkules	3.00	5.1	4.2	4.0	1.3	1.0	0.9	9.4	6.6	6.6	26%	23%	23%	2.3%	6.0%	6.7%
Torpol	5.22	6.5	3.9	3.2	0.1	0.1	0.1	24.4	7.6	6.2	2%	3%	3%	0.0%	0.0%	3.8%
Trakcja	3.04	5.6	5.4	4.2	0.2	0.2	0.1	23.9	21.8	10.2	3%	3%	3%	3.3%	0.0%	6.6%
Ulma Construcion	72.50	3.6	3.5	3.3	1.5	1.4	1.4	9.0	8.7	9.5	40%	41%	41%	5.3%	5.5%	5.5%
Unibep	4.90	3.7	2.8	2.6	0.1	0.1	0.1	5.6	4.8	5.3	3%	4%	3%	3.1%	6.2%	8.3%
ZUE	5.58	7.2	5.8	3.5	0.2	0.2	0.1	17.9	9.7	6.3	3%	3%	4%	0.0%	0.0%	5.4%
Median		4.4	4.0	3.3	0.2	0.1	0.1	11.0	9.2	6.4	3%	3%	4%	3.2%	5.2%	6.6%
FOREIGN COMPANIES																
Acciona	75.86	7.7	7.6	7.3	1.4	1.4	1.3	17.6	16.6	14.9	18%	18%	18%	4.0%	4.3%	4.4%
Astaldi	1.30	4.6	4.5	4.4	0.5	0.5	0.4	2.3	2.3	2.0	10%	10%	10%	0.0%	0.0%	-
Ferrovial	18.58	29.0	20.5	18.7	1.6	1.5	1.5	63.0	32.9	28.4	5%	7%	8%	3.9%	4.0%	4.1%
Hochtief	142.60	6.4	6.0	5.5	0.4	0.4	0.3	17.9	15.5	14.5	6%	6%	6%	3.2%	3.7%	4.0%
Mota Engil	2.12	3.9	3.6	3.4	0.6	0.6	0.5	13.3	6.9	5.5	16%	16%	16%	2.1%	4.0%	7.5%
NCC	152.95	7.2	5.2	4.9	0.3	0.2	0.2	14.9	10.6	9.6	3%	5%	5%	5.8%	6.3%	6.9%
Skanska	179.70	10.8	9.3	8.8	0.4	0.5	0.4	16.1	14.0	13.0	4%	5%	5%	4.6%	4.8%	5.0%
Strabag	34.60	3.5	3.4	3.2	0.2	0.2	0.2	12.0	11.7	11.0	6%	6%	6%	3.8%	4.0%	4.4%
Median		6.8	5.6	5.2	0.5	0.5	0.4	15.5	12.8	12.0	6%	7%	7%	3.9%	4.0%	4.4%

## Real-estate developers (2018-09-21)

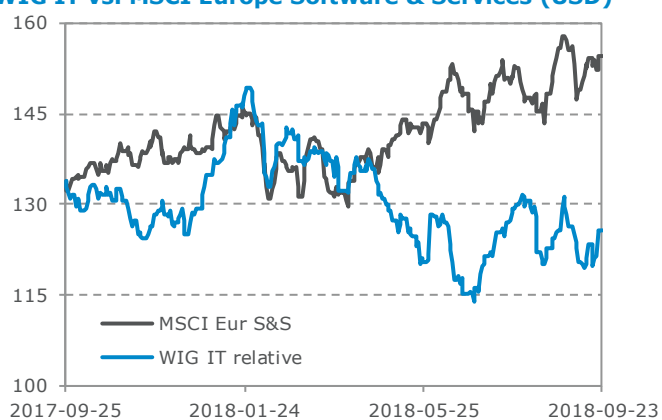
	Price	EV/EBITDA			P/BV			P/E			EBITDA margin			DY		
		2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020	2018	2019	2020
POLISH COMPANIES																
BBI Development	0.51	13.0	5.5	11.8	0.3	0.3	0.2	11.8	5.6	9.8	16%	52%	41%	0.0%	0.0%	0.0%
Dom Development	66.00	5.6	6.1	5.9	1.6	1.6	1.5	6.9	7.2	6.4	18%	17%	18%	11.5%	14.4%	13.9%
Echo Investment	4.41	7.1	7.3	8.8	1.1	1.0	1.0	6.0	5.5	6.8	77%	53%	39%	11%	12%	12.6%
GTC	8.28	14.4	13.6	12.3	0.9	0.9	0.8	9.9	8.6	7.5	88%	91%	94%	0.2%	0.2%	0.3%
i2 Development	13.05	7.2	6.0	2.1	0.5	0.5	0.4	4.0	4.5	2.9	17%	11%	20%	8.2%	12.6%	11.1%
J.W. Construction	2.94	8.8	3.9	4.5	0.4	0.3	0.3	8.0	3.2	3.9	13%	18%	17%	0.0%	0.0%	0.0%
PA Nova	18.80	10.0	11.2	10.5	0.5	0.5	0.5	6.1	7.1	6.8	24%	20%	21%	0.0%	4.0%	5.3%
Polnord	9.59	-	-	18.0	0.4	0.4	0.4	-	-	18.7	2%	1%	7%	0.0%	0.0%	0.0%
Ronson	1.10	12.6	11.1	6.2	0.5	0.5	0.5	11.9	7.9	4.7	9%	12%	13%	5.5%	5.5%	6.4%
Median		9.4	6.7	8.8	0.5	0.5	0.5	7.4	6.4	6.8	17%	18%	20%	0%	4%	5%
FOREIGN COMPANIES																
Atrium European RE	3.92	15.1	14.9	14.7	0.8	0.8	0.8	12.7	12.5	11.9	86%	84%	82%	8.7%	7.1%	7.2%
CA Immobilien Anlagen	31.20	27.0	23.6	20.4	1.1	1.1	1.0	25.7	23.5	21.2	76%	82%	66%	2.7%	3.0%	3.4%
Deutsche Euroshop AG	28.32	16.5	16.5	16.4	0.8	0.7	0.8	12.8	12.8	12.8	89%	89%	89%	5.3%	5.4%	5.6%
Immofinanz AG	22.94	32.1	28.1	26.6	0.9	0.8	0.8	24.5	21.8	18.7	56%	62%	64%	3.3%	3.5%	3.6%
Klepierre	30.72	20.1	19.5	18.9	0.8	0.8	0.8	12.0	11.5	11.1	84%	84%	84%	6.9%	7.1%	7.3%
Segro	642.20	33.1	30.0	27.5	1.0	1.0	0.9	29.2	26.4	24.5	75%	75%	78%	0.0%	0.0%	0.0%
Unibail Rodamco SE	190.00	22.2	21.4	20.1	0.9	0.9	0.9	14.8	14.0	13.3	95%	95%	96%	6.0%	6.3%	6.6%
Median		22.2	21.4	20.1	0.9	0.8	0.8	14.8	14.0	13.3	84%	84%	82%	5.3%	5.4%	5.6%

Source: Dom Maklerski mBanku (Polish stocks), IBES/Bloomberg (foreign stocks and stocks marked with an asterisk)

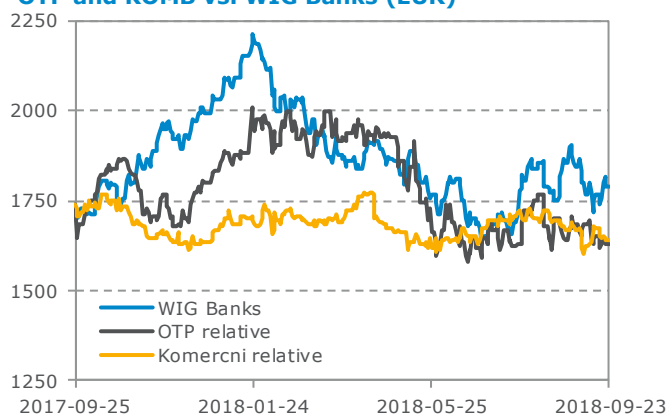
## WIG sector index performance



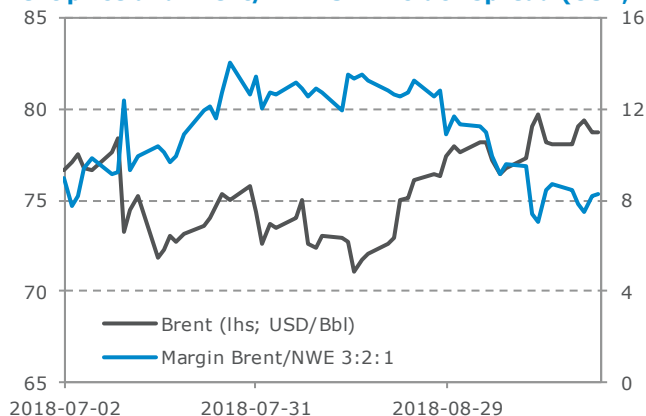
## WIG IT vs. MSCI Europe Software &amp; Services (USD)



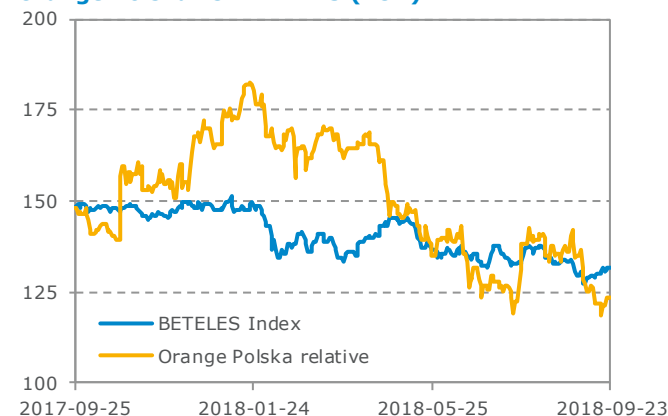
## OTP and KOMB vs. WIG Banks (EUR)



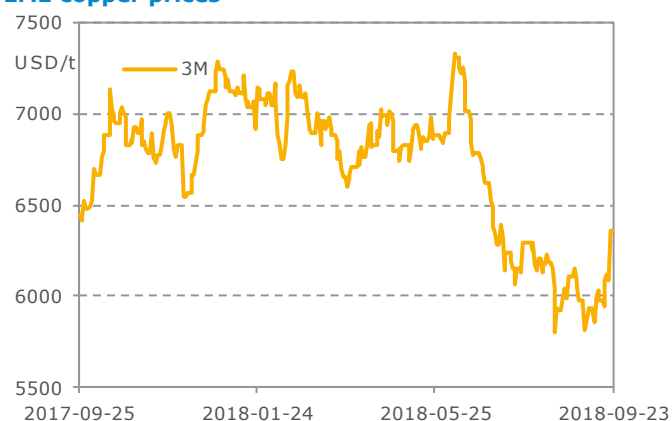
## Brent price and Brent/NWE 3:2:1 crack spread (USD, rhs)



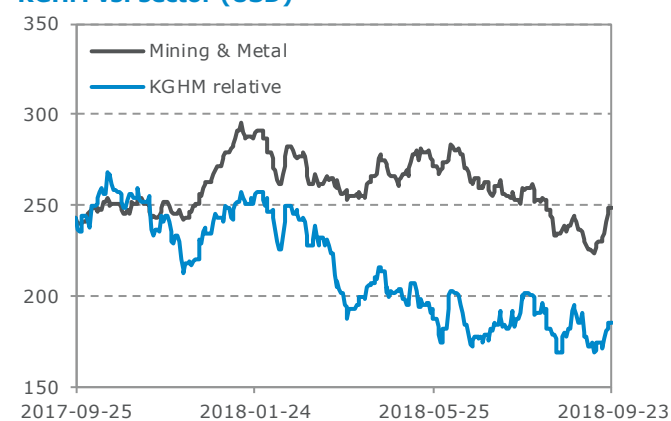
## Orange Polska vs. BETELES (EUR)



## LME copper prices



## KGHM vs. sector (USD)



Source: Bloomberg

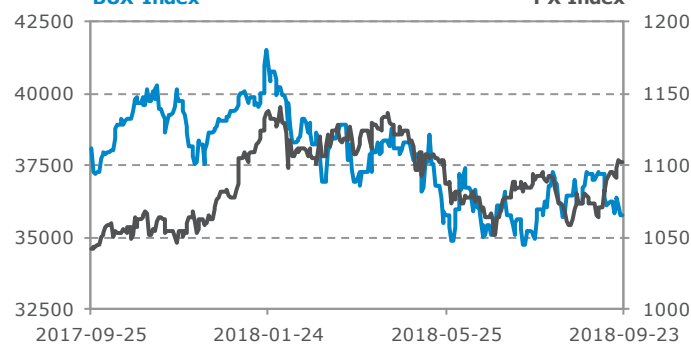
## Global Market Overview

Index	Date	Open	Maximum	Minimum	Close	Change
DJIA	2018-09-21	26,726.25	26,769.16	26,680.37	26,743.50	+0.32%
S&P 500	2018-09-21	2,936.76	2,940.91	2,927.11	2,929.67	-0.04%
NASDAQ	2018-09-21	8,041.69	8,057.26	7,979.67	7,986.96	-0.51%
DAX	2018-09-21	12,402.72	12,458.30	12,373.95	12,430.88	+0.85%
CAC 40	2018-09-21	5,463.66	5,499.03	5,463.66	5,494.17	+0.78%
FTSE 100	2018-09-21	7,367.32	7,495.26	7,367.32	7,490.23	+1.67%
WIG20	2018-09-21	2,266.96	2,286.76	2,256.52	2,257.47	-0.05%
BUX	2018-09-21	36,135.02	36,214.56	35,652.76	35,783.48	-0.97%
PX	2018-09-21	1,103.72	1,104.77	1,091.66	1,101.71	-0.17%
RTS	2018-09-21	1,658.50	1,674.48	1,654.96	1,673.95	+1.19%
SOFIX	2018-09-21	627.08	627.75	623.23	623.48	-0.57%
BET	2018-09-21	8,354.33	8,418.71	8,337.49	8,382.72	+0.34%
XU100	2018-09-21	96,598.78	97,988.16	96,598.78	97,988.16	+1.94%
BETELES	2018-09-21	130.91	132.35	130.91	131.75	+0.62%
NIKKEI	2018-09-21	23,848.63	23,971.41	23,764.05	23,869.93	+0.82%
SHCOMP	2018-09-21	2,733.87	2,797.49	2,722.03	2,797.49	+2.50%
Copper (LME)	2018-09-21	6,141.50	6,382.50	6,132.50	6,363.00	+4.62%
Crude Oil (Brent)	2018-09-21	78.28	79.53	77.67	78.17	-0.36%
USD/PLN	2018-09-21	3.6434	3.6683	3.6367	3.6649	+0.59%
EUR/PLN	2018-09-21	4.2908	4.3082	4.2878	4.3065	+0.37%
EUR/USD	2018-09-21	1.1777	1.1803	1.1733	1.1749	-0.24%
USBonds10	2018-09-21	3.0645	3.0832	3.0552	3.0628	+0.0002
GRBonds10	2018-09-21	0.4800	0.4840	0.4540	0.4620	-0.0090
PLBonds10	2018-09-21	3.2410	3.2410	3.2230	3.2360	-0.0020

WIG20 Index



BUX Index



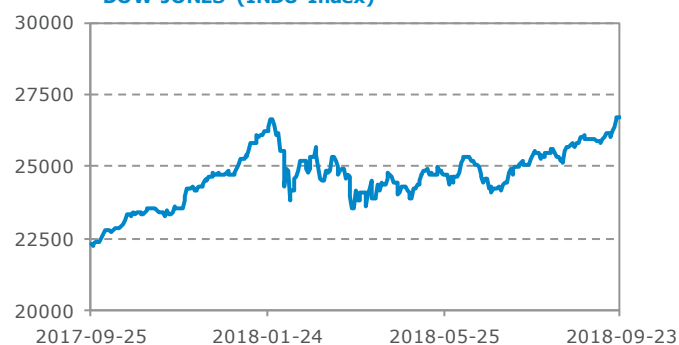
PX Index

S&P 500 (SPX Index)



NASDAQ (CCMP Index)

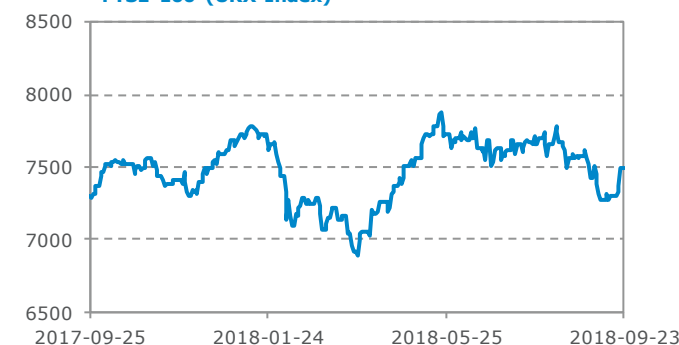
DOW JONES (INDU Index)



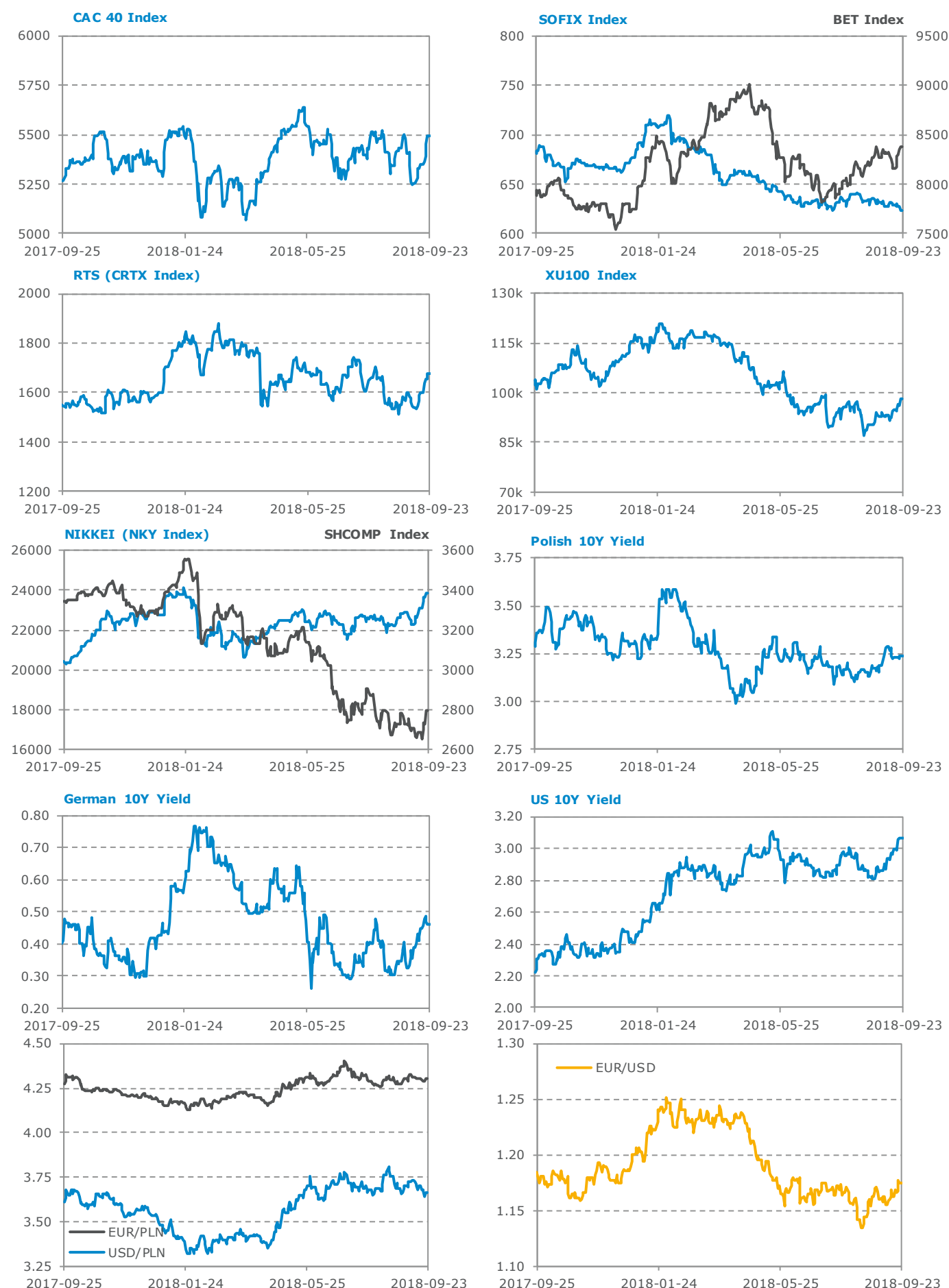
DAX Index



FTSE 100 (UKX Index)



Source: Bloomberg



Source: Bloomberg



**List of abbreviations and ratios contained in the report.**

**EV** – net debt + market value (EV – economic value)  
**EBIT** – Earnings Before Interest and Taxes  
**EBITDA** – EBIT + Depreciation and Amortisation  
**PBA** – Profit on Banking Activity  
**P/CE** – price to earnings with amortisation  
**MC/S** – market capitalisation to sales  
**EBIT/EV** – operating profit to economic value  
**P/E** – (Price/Earnings) – price divided by annual net profit per share  
**ROE** – (Return on Equity) – annual net profit divided by average equity  
**P/BV** – (Price/Book Value) – price divided by book value per share  
**Net debt** – credits + debt papers + interest bearing loans – cash and cash equivalents  
**EBITDA margin** – EBITDA/Sales

**OVERWEIGHT (OW)** – a rating which indicates that we expect a stock to outperform the broad market  
**NEUTRAL (N)** – a rating which indicates that we expect the stock to perform in line with the broad market  
**UNDERWEIGHT (UW)** – a rating which indicates that we expect the stock to underperform the broad market

**Recommendations of Dom Maklerski mBanku :**

A recommendation is valid for a period of 6-9 months, unless a subsequent recommendation is issued within this period. Expected returns from individual recommendations are as follows:

**BUY** – we expect that the rate of return from an investment will be at least 15%  
**ACCUMULATE** – we expect that the rate of return from an investment will range from 5% to 15%  
**HOLD** – we expect that the rate of return from an investment will range from -5% to +5%  
**REDUCE** – we expect that the rate of return from an investment will range from -5% to -15%  
**SELL** – we expect that an investment will bear a loss greater than 15%  
Recommendations are updated at least once every nine months.

mBank S.A. with its registered office in Warsaw at Senatorska 18 renders brokerage services in the form of derived organisational unit—Brokerage Office which uses name Dom Maklerski mBanku.

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**DCF** – acknowledged as the most methodologically correct method of valuation; it consists in discounting financial flows generated by a company; its weak point is the significant susceptibility to a change of forecast assumptions in the model.

**Relative** – based on a comparison of valuation multipliers of companies from a given sector; simple in construction, reflects the current state of the market better than DCF; weak points include substantial variability (fluctuations together with market indices) as well as difficulty in the selection of the group of comparable companies.

**Economic profits** – discounting of future economic profits; the weak point is high sensitivity to changes in the assumptions made in the valuation model.

**Discounted Dividends (DDM)** – discounting of future dividends; the weak point is high sensitivity to changes in the assumptions as to future dividends made in the valuation model.

**NAV** – valuation based on equity value, one of the most frequently used method in case of developing companies; the weak point of the method is that it does not factor in future changes in revenue/profits of a company.

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