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# **Morning Comments**

# **Equity Market, Poland**

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DJIA	29,551,4	+0.94% FTSE 100	7,534,4	+0.47% Copper (LME)	5,764.0	+0.33%
	- /		/		- /	
S&P 500	3,379.5	+0.65% WIG20	2,126.3	+0.90% Crude Oil (Brent)	56.20	+4.02%
NA SDA Q	9,726.0	+0.90% BUX	44,482.4	-0.17% USD/PLN	3.9102	+0.28%
DAX	13,749.8	+0.89% <b>PX</b>	1,102.9	-0.38% EUR/PLN	4.2518	-0.11%
CA C 40	6,104.7	+0.83% PLBonds10	2.163	+0.045 EUR/USD	1.0874	-0.38%

# **Company & Sector News**

**Debt collection** 

companies

Insight on Kruk from Hoist's comments after 4Q'19 results

Hoist Finance, a Swedish financial services company, along with Q4'19 results gave hints which may be extrapolated on Kruk. Hoist is satisfied with the level of investments in Poland, what is more outlook for future portfolio purchases remains good. Price paid for portfolios decreased, which may be result of lower competition (Host indicated that higher indebtedness makes some entities less competitive). Collection costs increased in Poland, Spain and Greece, mainly due to higher legal expenses, which are to some degree seasonal. Negative revaluations were made in Italy and France. **Good outlook for Polish market and comments on lower competition are good omens for Kruk. On the other hand higher collection costs put a question mark on Kruk's cost discipline. (M. Konarski, M. Lemańczyk)** 

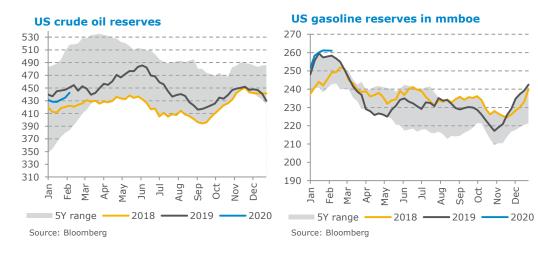
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### US gasoline demand still -3% yoy

EIA report showed that US domestic crude inventories increased by 7.5 mmboe, whereas market consensus stood at +3.2 mmboe. Net import rose by 25% and refineries' utilization rate increased slightly to 88.0% from 87.4%. Gasoline stocks decreased marginally (-0.09 mmboe vs +0.7 mmboe expected). Diesel inventories decreased by 2.0 mmboe vs -0.7 mmboe expected. Gasoline consumption 4-weeks moving average dynamics yoy stood at -2.9% with last week deliveries decreasing by 2.4%. **(K. Kliszcz)** 



### **Baton Rouge Refinery Outage in USA**

A fire broke out overnight at Exxon Mobil's Baton Rouge oil refinery in Louisiana, halting production at the fifth-biggest fuel-making plant in the U.S. (throughput capacity at 500 mboe/d accounts for 3% total US potential). The blaze erupted in a natural gas line, affecting first one and then all of the facility's crude distillation towers, which heat and break down raw oil into products, according to people familiar with operations. As a result, other units such as the catalytic cracker and the chemical plant had to cease operations. The fire has been extinguished and there were no injuries, according to Exxon. Operations continue at the refinery and chemical plant, spokesman Jeremy Eikenberry said. **Story should be followed as this outage may ease gasoline glut in USA and support margins. (K. Kliszcz)** 



#### CEZ

Buy – 2019-12-05 Target price: CZK 597.8

#### PGE

Buy - 2019-10-24 Target price: PLN 12.20

#### JSW

Hold – 2020-02-05 Target price: PLN 18.41

#### Polish units sale to kick off in April

According to Hospodarske Noviny daily, CEZ may start selling Polish units in April. As a reminder, Polish assets for sale generate ~CZK 1bn EBITDA (<2% of total CEZ EBITDA). These are mainly coal fueled heat and power plants in Chorzów and Skawina with total capacity at 678 MWe. Potential proceeds should amount to ~CZK 5-6 bn (PLN 0.9-1.0bn) due to current low valuations of Polish utilities. (K. Kliszcz)

#### State Assets Minister about Złoczew mine

Deputy State Assets Minister said that the ministry wants power utility PGE to be granted mining license for the Zloczew lignite deposit but the decision on the investment should be made by the company itself. The investment will depend on the regulatory environment. Lignite from the Zloczew mine would partially replace fuel from the Belchatow and Szczercow mines, where deposits will start depleting in 2030. Zloczew, where mining would start in 2032 at the earliest, could produce 19 mln tons annually vs the present output of Belchatow and Szczercow mines at 40 mln tons. Potential capex for Zloczew project may be estimated at PLN 10-15bn, however the environmental profile impact would be far more important for PGE share price. Currently being prepared Poland Long Term Energy Policy document would address this issue and the final version should be published until the end of this year (last draft, prepared by former Minister Krzysztof Tchórzewski, includes Polish lignite mines' lifespan extension). It seems that still there is no consensus within the government and the company itself on lignite generation's future. (K. Kliszcz)

#### Change in manage board

Coking coal producer JSW dismissed deputy CEO for trade Rafal Pasieka and temporarily handed over his duties to CEO Wlodzimierz Herezniak, the company said in a market filing. JSW also appointed Tomasz Duda deputy CEO for development, the firm reported in a separate filing. **Rafal Pasieka was deputy CEO for trade for a few months only. (J. Szkopek)** 

#### Publication of strategy update until 2030

- The JSW Group assumes an average EBITDA margin in 2020-2030 at a level of at least 25 percent. and plans to gradually increase coal production to around 18 million tonnes in 2030 the company said in a communication regarding the strategy.
- Investment outlays are to amount to approximately PLN 24.5 billion in this period.
- The strategy assumes the target increase in production through investments in the development of new production levels and launching production from the Bzie Dębina area.
- The structure of the planned level of extraction is as reported an **increase** in coking coal yield from 71%. in 2019 to **over 85 percent from 2021**.
- Annual average performance of corridor headings in JSW in 2020-2030 at the level of over 80 thousand m.
- During the period of validity of the Strategy, JSW assumes an **increase in productivity** (productivity) per 1 employee employed from approx. 700 tonnes to approx. 850 tonnes of coal per person in 2030, assuming the average average employment in 2020-2030 at the level of approx. 21.4 thousand posts.
- Sustainable production and sale of coke at a stable level of around 3.5 million tonnes.
- Our forecasts assume an earlier production rate of 18 million tonnes (already in 2025), while the share of coking coal in ore does not exceed 75% during the forecast period. The forecasted amount of expenditure in this period slightly exceeds PLN 15 billion. The long-term assumption of production per employee in our model does not exceed 690t (about 650 t in 2019). In the long term, we assume coke production at 3.1 million tons. As a result, in our assumptions, the EBITDA margin does not exceed 18% in the long term. The strategy's assumptions are more ambitious than our forecasts. Nevertheless, the market may be cautious about the published goals, as the Company reported significantly weaker production distances than expected by analysts and assumed management in Q4'19. (J. Szkopek)

#### London copper falls as virus death toll jumps sharply

London copper prices fell on Thursday, as a surge in the number of deaths and infections from the coronavirus epidemic in China heightened concerns about demand from the world's top consumer of the metal. China's Hubei province, the epicentre of the coronavirus outbreak, said 242 people had died from the flu-like virus on Wednesday, the fastest rise in the daily count since the pathogen was identified in December. The province also reported 14,840 new cases, dwarfing the 2,015 new confirmed cases reported in mainland China the previous day, the sharp rise following the adoption of a new methodology for diagnosis of the infection. For more information please visit <a href="https://tinyurl.com/r42au32">https://tinyurl.com/r42au32</a> (J. Szkopek)

Copper

**VRG** Buy – 2020-02-05 Target price: PLN 4.50

### Submitting Mr Piotr Nowjalis' candidacy to the Supervisory Board

NN OFE submitted a candidacy of Mr Piotr Nowjalis for an independent member of the Supervisory Board. Earlier, the fund sent a request to the company to convene an extraordinary general meeting of shareholders, which is to be held on 20 February. At the end of 2019, VRG announced the resignation of Mr. Mateusz Wiśniewski, the company's long-term CFO. On 21 January, the company informed about the adoption of a resolution by the supervisory board, which authorizes the chairman of the supervisory board, Mr. Jerzy Mazgaj, to carry out all activities related to supplementing and shaping the target composition of the company's management board. In our opinion, the resignation of the CFO is not the last change in the composition of VRG's Management Board, whose term of office ends on 31 March 2020. At the same time, taking into account VRG's performance in recent years, we see no reason to change the composition of the company's Management Board. (P. Bogusz)



## **Quarterly Earnings Results**

#### Bank Handlowy

Accumulate – 2019-12-05 Target price: PLN 57.44

#### Beat on the bottom-line, good composition

- Bank Handlowy net profit came in at PLN 180.3m, up 18.5% Y/Y and 58.6% Q/Q, above the consensus expectations at PLN 170.5m (according to PAP) and our own forecast at PLN 161.1m
  Higher than expected result should be mostly attributed to lower-than-expected net provisioning result but also due to the higher-than-expected net interest income.
- Net interest income came in at PLN 296.4m, up 1.6% Q/Q and 6.2% Y/Y, 4% above the expectations. Net interest margin (over average assets) came in at 2.28%, up +3 bps Q/Q, above our expectations.
- Net fee income declined to PLN 136.0m, below the consensus and our expectations. The quarterly decline should be mainly attributed to the fees from cards which declined by 12%  $Q/Q_{..}$
- Operating costs came in at PLN 275.2m, flat Q/Q but down 1% Y/Y, slightly below the expectations. C/I ratio remained flat at 50%.
- Net provisioning came in at PLN 11.8m, down 87% Q/Q and flat Y/Y, much below the consensus at PLN 28.1m. The net provisioning dropped in the corporate segment from PLN 76m in 3Q'19 to PLN 2.5m in 4Q'19 whilst in retail from PLN 15.4m to PLN 9.3m. Overall cost of risk came in at 22 bps with 8 bps in corporate segment and 80 bps in retail.
- We estimate that Bank Handlowy is eligible to pay out 75% of net profit which translates to 2.79 PLN (DY 5%). Moreover Bank may payout undivided part of net profit from 2018 (PLN 163m) The total DPS may amount to 4.04 PLN which translates to DY 7%. No management proposal has been announced.
- The results should have positive trading impact today. Bank largely beat consensus on net provisioning line and net interest income line. Market should be especially satisfied with low cost of risk which indicates that the quality problems in corporate segment are over. Nonetheless we believe that the current level of CoR will be hard to repeat in coming quarters. Finally we estimate that dividend yield should come in a range between 5% (only profit from 2019) and 7% (with undivided part from 2018). We expect management proposal to come at higher end of the range. (M. Konarski, M. Lemańczyk)

#### 2019 Q4 actuals vs. expectations

(PLN m)	Q4'18	Q3'19	Q4'19	Y/Y	Q/Q
Net interest income	279.1	291.6	296.4	6.2	1.6
Net fee income	134.4	141.7	136.0	1.2	-4.0
Financial operations and FX gamns	98.3	120.9	116.3	18.3	-3.8
Net other income	0.8	-1.6	-0.5	n.m.	-64.7
Non-interest income	233.5	261.0	251.8	7.8	-3.6
Total income	512.6	552.7	548.2	6.9	-0.8
Total costs	-277.8	-276.1	-275.2	-0.9	-0.3
Operating profit before provisioning	234.8	276.5	273.0	16.3	-1.3
Net provisioning	-11.8	-91.2	-11.8	0.6	-87.0
Net income from investments	0.0	0.0	0.0	n.m.	n.m.
Pre-tax profit	223.0	185.3	261.1	17.1	40.9
Income tax	-44.7	-46.2	-52.8	18.2	14.3
Minorities	0.0	0.0	0.0	n.m.	n.m.
Net income before bank tax	178.3	139.1	208.3	16.8	49.7
Bank tax	26.1	25.5	28.0	7.3	10.1
Net profit after bank tax	152.2	113.7	180.3	18.5	58.6

Source: Bank Handlowy, E - estimates by mBank; Consensus estimates provided by PAP

#### 2019 Q4 actuals vs. expectations

(PLN m)	Q4'19	Consensus	differ.	Q4′19E	differ.
Net interest income	296.4	284.8	4.1%	289.2	2.5%
Fee income	136.0	138.7	-1.9%	139.1	-2.2%
Operating costs	-275.2	-277.3	-0.8%	-280.5	-1.9%
Provisioning	-11.8	-28.1	-57.9%	-36.7	-67.8%
Net profit	180.3	170.5	5.7%	161.1	11.9%

Source: Bank Handlowy, E - estimates by mBank, Consensus estimates provided by PAP

#### **Orange Polska**

Accumulate – 2019-11-29 Target price: PLN 7.40

#### 4Q'19 results above expectations

- Orange Polska's results for Q4'19 are higher than our expectations (+ 1.6% on the revenues, + 7.3% on the EBITDAaL line) and market expectations (+ 1.0%, + 8.3% respectively).
- We pay attention to several points that require clarification. (1) First of all, the costs of employee benefits are quite low and amount to PLN 349m. A one-off event for ca. PLN 17m occurred here. (2) In addition, we pay attention to other external purchases at the level of PLN 444m and other operating incomes and expenses, whose balance amounted to PLN 8m. Based on historical data, we forecast two numbers at PLN 390m and PLN 64m, respectively. We do not find enough explanation for the difference to our estimates. On the other hand, the sum of two items is close to our estimates, therefore we assume that the one-off events occurring here cancel each other out in opposite directions and their impact on the results together is neutral.
- We estimate the adjusted EBITDAaL result at PLN 690m, it is 4.6% higher than our estimates and a higher y / y> 13% w/o profit from the sale of assets (only PLN 4m recognized in Q4'19 vs. PLN 77m a year before).
- The difference of the reported result to our sales forecasts results only from the higher sale of equipment and ICT services. The breakdown of costs shows further optimization, the costs of settlements with other operators were much lower.
- Looking at the KPIs set in 4Q'19, our attention is drawn to the quite good performance of the Orange's fixed business. ARPU on fixed services only was stable y / y (we expected a decline of nearly 2%). In addition, Orange increased the FTTH base by 47k during the quarter (the strongest quarter in the company's history), while we estimated +43k. This is a very good result, especially when the VDSL customer base increased by 18k. Other KPIs did not differ significantly from our assumptions.
- Please note the high FCF for 4Q'19: PLN 334m, supported by sale of instalment receivables (ca. PLN 70m).
- Management will not recommend any dividend payment in 2020 (as expected).
- From 2020 reporting we will revise definitions of capex and EBITDAaL alternative performance measures. Capex will be presented net of the proceeds from asset disposals and will be named economic capex (eCapex). Consequently, EBITDAaL will exclude gains on asset disposals.
- The management gave the 2020 guidance: revenues and EBITDAaL will grow in 2020 on comparable basis, eCAPEX will amount to PLN 1.7-1.9 bn. We need more details on planned cofinancing of FTTH investments here.

To sum up, Q4'19 results are higher than expected, however, considering the lack of sufficient commentary on the nature of one-off events, it is difficult to extrapolate trends to subsequent periods. The positive two points in Orange 4Q'19 publication are: (1) the number of net connections on both FTTH and VDSL and (2) high organic free cash flow. The company has achieved its goals for 2019 and presented plans for further growth in 2020, which should stimulate investor confidence. We maintain our positive approach to the company. (P. Szpigiel)

2019 Q4 actuals vs.	expectations						
(PLN m)	Q4'19	Q4'18	change	Q4'19E	differ.	consensus	differ.
Revenue	2999.0	2930.0	2.4%	2950.3	1.6%	2970.1	1.0%
EBITDAaL	707.0	686.0	3.1%	659.0	7.3%	653.0	8.3%
EBITDAaL margin	23.6%	23.4%	-	22.3%	-	22.0%	-
EBIT	-155.0	64.3	-	-86.6	-	-106.8	-
Pre-tax profit	-223.0	-6.9	-	-169.6	-	-	-
Net profit	-186.0	-14.7	-	-169.6	-	-158.6	-

### 2019 Q4 actuals vs. expectations

Source: Orange Polska, E - estimates by mBank; Consensus estimates provided by PAP

More News	
Archicom	Archicom targets selling 1.5-1.7k apartments while also handing over 1.4-1.6k flats in 2020, the company said in a market filing of its goals.
Dom Development	Dom Development can easily maintain 2020 group sales volumes at last year's level or even improve it slightly, with handovers also seen roughly flat y/y, CEO Jaroslaw Szanajca told PAP.
Feerum	Feerum expects its 2020 backlog to at least match the 2019 orders portfolio once it receives an upcoming downpayment on a major contract with Ukrainian company Epicentr K, CEO Daniel Janusz told PAP. Several other big Ukrainian companies are interested in cooperating with Feerum, the CEO added.
LPP	LPP completed a ca. PLN 200 mln expansion of its distribution center in Pruszcz Gdanski to increase the facility's dispatching capacity to 1.84 mln clothing items from 1.5 mln, the company said in a press release.
Novaturas	Novaturas expects to post EUR 5-6 mln EBITDA in 2020 and increase revenues by 3-5%, the company wrote in its presentation. Novaturas plans to increase the number of clients by 2-3%. Novaturas earned EUR 1 mln net profit in Q4'19 vs. EUR 0.23 mln loss suffered a year ago, the company said in a press statement.
PGG	PGG and its unions managed to negotiate the main elements of the uniform Collective Labor Agreement, although talks were halted by the board's refusal to spend extra PLN 200 mln or more on wage hikes, PGG CEO Tomasz Rogala told regional radio broadcaster Radio Piekary on Wednesday.
PZU	PZU is preparing a new strategy with a strong focus to be put on the healthcare segment development, CEO of PZU's life unit PZU Zycie Roman Palac told PAP.
Spar	Spar Group's Polish unit Wasz Sklep Spar wants to open at least 50 new shops annually and exceed the number of 400 shops in the next four years, the company said in a press statement.
Ursus	Ursus registered 10 new tractors in January, down by almost 79% y/y, data from automotive lobby PZPM show.
Wielton	Wielton suffered a $38.1\%$ y/y decline in registrations in January to $197$ , automotive lobby PZPM said citing data from central vehicle register CEP. Wielton's market share in the period stood at $16.10\%$ vs $15.31\%$ a year ago.

# **Corporate Action Calendar**

Date	Time	Company	Event
13-Feb		Citi Handlowy	Q4'19 earnings announcement (preliminary)
14-Feb		Millennium	Q4'19 earnings announcement
14-Feb		Skarbiec	Q4'19 earnings announcement
20-Feb		Jeronimo Martins	Q4'19 earnings announcement (after market close)
20-Feb		Santander	Q4'19 earnings announcement
21-Feb		MOL	Q4'19 earnings announcement

# **Economic Calendar**

Thurso	lay, 13 Fel	oruary 2020			
Time	Region	Data	Period	Forecast	Previous
08:00	Germany	CPI Harmonized (F)	January	-0.80% m/m;1.60% y/y	0.60% m/m; 1.50% y/y
08:00	Germany	CPI (F)	January		0.50% m/m; 1.50% y/y
14:00	Poland	Capital Account Balance	December		319m
14:00	Poland	Current Account Balance	December		1.46bn
14:00	Poland	Financial Account Balance	December		2208m
14:30	USA	Core CPI	January	0.20% m/m; 2.20% y/y	0.10% m/m; 2.30% y/y
14:30	USA	CPI	January	0.20% m/m; 2.50% y/y	0.20% m/m; 2.30% y/y
14:30	USA	Continuing Claims	1 February		1,751,000
14:30	USA	Initial Jobless Claims	8 February	210,000	202,000
16:30	USA	Natural Gas Inventory	7 February		2609bn

Friday	, 14 Febru	ary 2020			
Time	Region	Data	Period	Forecast	Previous
00:50	Japan	Foreigners Buying Japan Bonds (F)			1023.70bn
00:50	Japan	Foreigners Buying Japan Stocks (F)			-295.60bn
00:50	Japan	Japan Buying Foreign Bonds (F)			150.20bn
00:50	Japan	Japan Buying Foreign Stocks (F)			-32.60bn
08:00	Germany	GDP	Q4	-0.10% q/q; 0.25% y/y	0.10% q/q; 0.50% y/y
10:00	Poland	CPI	January		0.80% m/m; 3.40% y/y
10:00	Poland	GDP (P)	Q4		1.30% q/q; 3.90% y/y
11:00	EU	Exports	December		194.60bn
11:00	EU	GDP	Q4	0.08% q/q; 0.95% y/y	0.20% q/q; 1.20% y/y
11:00	EU	Imports	December		175.40bn
11:00	EU	Trade Balance	December		19.20bn
14:30	USA	Exports	January		-0.20% m/m; -1.30% y/y
14:30	USA	Import Price Index	January		0.30% m/m; 0.50% y/y
14:30	USA	Retail Sales	January	0.45% m/m;	0.30% m/m; 5.80% y/y
14:30	USA	Retail Sales Less Autos	January	0.35% m/m;	0.70% m/m; 6.30% y/y
15:15	USA	Capacity Utilization	January	76.85% m/m	77.00% m/m
15:15	USA	Industrial Production	January	-0.27% m/m;	-0.30% m/m; -1.00% y/y
16:00	USA	Business Inventories	December	0.10% m/m;	-0.20% m/m; 2.80% y/y
Monda	iy, 17 Febr	uary 2020			
Time	Region	Data	Period	Forecast	Previous
00:50	Japan	GDP (P)	Q4		0.40% q/q; 1.80% y/y
11:00	EU	Construction Orders	December		0.70% m/m; 1.40% y/y
12:00	UK	CBI Industrial Trends	February		-22
	Japan	Industrial Production (F)	December		-1.00% m/m; -8.20% y/y
Tuesda	ay, 18 Feb	ruary 2020			
Time	Region	Data	Period	Forecast	Previous
10:00	USA	TIC Net Long-term Flows	December		22.90bn
10:30	UK	Unemployment Rate	December		3.80%
11:00	Germany	ZEW Current Situation	February		-9.50
11:00	EU	ZEW Current Situation	February		-9.90
11:00	Germany	ZEW Economic Sentiment	February		26.70
11:00	EU	ZEW Economic Sentiment	February		25.60
14:30	USA				20100
	USA	Empire State Manufacturing Index	February		4.80
16:00	USA	Empire State Manufacturing Index NAHB Housing Market Index	February February		
16:00 22:00					4.80
22:00	USA USA	NAHB Housing Market Index	February		4.80 75
22:00	USA USA	NAHB Housing Market Index TIC Net Flows	February	Forecast	4.80 75
22:00 Wedne	USA USA esday, 19 F	NAHB Housing Market Index TIC Net Flows February 2020	February December	Forecast	4.80 75 73.10bn
22:00 Wedne Time	USA USA esday, 19 F Region	NAHB Housing Market Index TIC Net Flows February 2020 Data	February December Period	Forecast	4.80 75 73.10bn <b>Previous</b>
22:00 Wedne Time 08:00	USA USA esday, 19 F Region Germany	NAHB Housing Market Index TIC Net Flows February 2020 Data Wholesale Price Index	February December Period January	Forecast	4.80 75 73.10bn <b>Previous</b> 0.00% m/m; -1.30% y/y
22:00 Wedne Time 08:00 10:00	USA USA esday, 19 F Region Germany EU	NAHB Housing Market Index TIC Net Flows February 2020 Data Wholesale Price Index Current Account Balance	February December Period January December	Forecast	4.80 75 73.10bn <b>Previous</b> 0.00% m/m; -1.30% y/y 34bn
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22:00 Wedne Time 08:00 10:00 10:00 10:30	USA USA esday, 19 f Region Germany EU Poland UK	NAHB Housing Market Index TIC Net Flows Ebruary 2020 Data Wholesale Price Index Current Account Balance Wages Core CPI	February December Period January December January January	Forecast	4.80 75 73.10bn <b>Previous</b> 0.00% m/m; -1.30% y/y 34bn 7.20% m/m; 6.20% y/y 1.40% y/y
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22:00 Wedne 08:00 10:00 10:30 10:30 10:30 10:30	USA USA esday, 19 F Region Germany EU Poland UK UK UK UK	NAHB Housing Market Index TIC Net Flows February 2020 Data Wholesale Price Index Current Account Balance Wages Core CPI CPI PPI Input PPI Output	February December Period January December January January January January January	Forecast	4.80 75 73.10bn <b>Previous</b> 0.00% m/m; -1.30% y/y 34bn 7.20% m/m; 6.20% y/y 1.40% y/y 0.00% m/m; 1.30% y/y 0.10% m/m; -0.10% y/y
22:00 Wedne 08:00 10:00 10:30 10:30 10:30 10:30 10:30 12:00	USA USA esday, 19 F Region Germany EU Poland UK UK UK UK	NAHB Housing Market Index TIC Net Flows February 2020 Data Wholesale Price Index Current Account Balance Wages Core CPI CPI PPI Input PPI Output CBI Distributive Trades Report	February December Period January December January January January January January	Forecast	4.80 75 73.10bn Previous 0.00% m/m; -1.30% y/y 34bn 7.20% m/m; 6.20% y/y 1.40% y/y 0.00% m/m; 1.30% y/y 0.10% m/m; -0.10% y/y 0.00% m/m; 0.90% y/y
22:00 Wedne 08:00 10:00 10:30 10:30 10:30 10:30 10:30 12:00 13:45	USA USA esday, 19 F Region Germany EU Poland UK UK UK UK UK UK UK	NAHB Housing Market Index TIC Net Flows February 2020 Data Wholesale Price Index Current Account Balance Wages Core CPI CPI PPI Input PPI Output CBI Distributive Trades Report Interest Rate	February December Period January December January January January January February	Forecast	4.80 75 73.10bn Previous 0.00% m/m; -1.30% y/y 34bn 7.20% m/m; 6.20% y/y 1.40% y/y 0.00% m/m; 1.30% y/y 0.10% m/m; -0.10% y/y 0.00% m/m; 0.90% y/y 0%

# **Current Recommendations by mBank**

Company Financial Sector Alior Bank	Recommendation	Issued On	Reco.	Price	Price	Downside	2019	2020	2019	
									2015	2020
Alior Bank						+3.8%	10.6	10.5		
	hold	2019-11-06	29.34	31.00	28.28	+9.6%	8.9	8.2		
Handlowy	accumulate	2019-12-05	51.70	57.44	56.90	+0.9%	16.5	12.0		
ING BSK	sell	2020-02-04	202.00	170.00	197.80	-14.1%	15.4	14.6		
Millennium	reduce	2020-02-05	5.91	5.47	5.86	-6.7%	10.2	12.8		
Pekao	buy	2019-12-05	96.34	115.20	103.65	+11.1%	12.0	11.0		
PKO BP	accumulate	2020-02-05	36.00	39.69	36.50	+8.7%	11.1	10.6		
Santander Bank Polska	hold	2020-02-05	304.00	287.90	307.00	-6.2%	14.7	12.8		
Komercni Banka	buy	2019-12-05	792.00	928.20 CZK	793.50	+17.0%	9.9	10.5		
Moneta Money Bank	buy	2019-08-28	75.95	94.33 CZK	85.95	+9.7%	11.5	10.7		
Erste Group	accumulate	2019-12-05	32.20	36.61 EUR	35.60	+2.8%	9.9	9.5		
RBI OTP Bank	accumulate	2019-12-05	21.24	23.05 EUR	22.40	+2.9%	6.3	6.1		
	hold	2019-12-05	14,870	14,681 HUF	14,660	+0.1%	10.1	9.2		
PZU	hold	2020-02-05	40.54	41.91	40.11	+4.5%	11.0	10.4		
Kruk	buy	2019-12-05	150.90	210.31	173.50	+21.2%	9.8	9.7		
Skarbiec Holding	buy	2019-12-05	17.20	29.34	22.00	+33.4%	6.9	6.5		
GPW	buy	2020-01-16	40.85	47.82	41.50	+15.2%	13.6	15.6		
Chemicals	h	2010 12 05	26.40	44.41	20,40	+8.9%	11.1	11.1	5.5	5.7
Ciech	buy	2019-12-05	36.40	44.41	39.40	+12.7%	15.2	9.3	6.6	5.7
Grupa Azoty	buy	2020-02-06	27.50	30.31	28.60	+6.0%	7.1	13.0	4.4	5.8
Oil & Gas		2020 02 05	76.70	60.47	74.00	+1.8%	10.1	10.3	4.4	5.0
Lotos	reduce	2020-02-05	76.78	68.47	74.88	-8.6%	11.8	9.6	5.8	5.0
MOL	accumulate	2020-02-05	2,618	2,816 HUF	2,560	+10.0%	8.4	9.0	4.0	4.9
PGNIG	hold	2020-01-28	3.86	4.06	3.65	+11.1%	12.1	14.2	4.5	4.5
PKN Orlen Power Utilities	reduce	2020-02-03	75.66	68.03	74.44	-8.6%	7.1	11.0	4.2	5.1
		2010 12 05	502.00	507 00 C7V	402.00	+43.9%	4.4	5.6	3.7	3.7
CEZ	buy	2019-12-05	502.00	597.80 CZK	493.00	+21.3%	14.7	12.8	7.2	6.7
Enea	buy	2019-11-06	8.59	11.53	7.09	+62.7%	3.0	2.9	3.0	3.0
Energa	buy	2019-11-06	6.37	11.67	7.40	+ 57.7%	5.8	5.6	3.7	4.3
PGE	buy	2019-10-24	8.42	12.20	6.50	+87.7%	4.4	5.6	2.9	3.4
Tauron	buy	2019-11-06	1.73	2.45	1.49	+64.1% - <b>2.8%</b>	2.9	2.4 <b>19.5</b>	4.0 <b>6.6</b>	3.7 <b>6.6</b>
Telecoms, Media, IT	hold	2010 12 05	4.44	4.70	4 41		30.8		4.5	4.6
Netia	accumulate	2019-12-05	4.44 6.46	7.40	4.41	+6.6%	30.8	31.5 36.2	4.5 5.4	4.0 5.6
Orange Polska	accumulate	2019-11-29 2020-02-05	34.80	36.00	7.02 33.26	+5.4%	33.0 9.6	8.8	5.4 6.3	5.0 6.1
Play		2020-02-03	9.50	17.00	13.30	+8.2%		o.o 33.8	7.6	7.2
Agora	buy reduce	2019-10-30	28.86	26.10	27.50	+27.8% -5.1%	63.4 15.7	33.8 13.3	7.0	6.9
Cyfrowy Polsat Wirtualna Polska	hold		82.20	79.70	84.00	-5.1%	36.3	22.8	13.8	11.2
Asseco Poland	hold	2020-02-05	57.35	59.20	66.25	-10.6%	36.3 16.7	22.8 16.2	5.4	5.1
Comarch		2019-12-05 2019-11-25			208.00	+20.2%	15.1	16.2	5.4 6.6	6.4
11 bit studios	buy hold	2020-02-05	189.50 440.00	250.00 439.00	453.50	-3.2%	58.7	46.9	35.3	29.6
CD Projekt	hold		305.00	284.20	313.20	-9.3%	- 30.7	13.4		11.7
Industrials, Mining	HOID	2020-02-05	305.00	204.20	515.20	-9.5%	6.7	9.3	4.6	4.5
, .	hold	2019-12-06	1.20	1.25	1.24	+0.8%	6.7	38.5	4.4	6.1
Cognor Famur	buy	2019-12-00	2.98	5.18	3.21	+61.4%	4.9	7.5	3.9	4.0
Grupa Kety	hold	2019-12-05	338.50	335.44	400.00	-16.1%	13.6	15.6	9.1	9.9
										3.1
JSW Kemel	hold hold	2020-02-05 2020-02-05	19.78 47.20	18.41 47.25	18.84 48.30	-2.3% -2.2%	4.7 5.4	- 7.9	0.8 4.9	6.5
KGHM	reduce	2020-02-05	96.44	86.33	48.30 96.80	-10.8%	8.7	8.6	4.9	4.7
PKP Cargo	reduce	2020-02-05	17.50	16.40	17.46	-6.1%	14.8	- 0.0	3.0	3.7
Stelmet	accumulate	2020-02-05	7.85	8.92	7.60	+17.4%	- 14.0	9.9	5.0	4.2
Property Developers	accumulate	2020-02-03	7.05	0.92	7.00	-0.4%	11.8	8.2	<b>10.9</b>	7.5
Atal	accumulate	2020-02-05	39.80	44.28	40.00	+10.7%		7.4	13.9	7.0
Dom Development	hold	2020-02-03	93.00	88.92	40.00 97.60	-8.9%	14.0 9.7	9.0	7.9	7.9
Retail	noiu	2015-12-0J	33.00	00.92	97.00	+ <b>5.4%</b>	38.7	9.0 <b>21.6</b>	10.2	9.0
AmRest	hold	2019-12-05	46.35	47.00	47.50		38.7	37.3	12.7	11.9
CCC	buy	2019-12-05	108.10	157.00	103.10	-1.1% +52.3%	97.1	21.6	5.8	4.5
Dino	reduce	2019-12-05	108.10	149.70	165.60	+52.3%	40.2	21.6	23.6	4.5 17.9
			164.70							7.0
Eurocash Jeronimo Martins	hold	2020-02-05		19.80 16.30 EUR	20.02	-1.1%	67.9	40.4	7.4	
Jeroninio Martins	hold	2020-02-05	15.78		16.49	-1.2%	19.5	19.2	10.2	9.0 9.4
LPP	buy	2020-02-05	8,610.00	10,100.00	8,420.00	+20.0%	27.5	19.2	11.4	

# **Current Calls by mBank**

Co	Relative	Rated On	Price At	Current	Change	P/I		EV/EBITDA	
Company	Positioning	Kated On	Rating	Price	Change	2019	2020	2019	2020
IT						15.6	13.2	7.2	6.0
Ailleron	neutral	2019-10-31	7.16	8.88	+24.0%	16.0	12.1	6.3	5.0
Asseco BS	overweight	2020-01-30	32.60	31.00	-4.9%	15.3	14.2	9.9	9.2
Asseco SEE	overweight	2019-12-05	25.60	27.20	+6.3%	16.8	15.1	8.2	7.1
Atende	neutral	2019-12-05	3.06	3.48	+13.7%	12.3	11.5	5.1	4.9
Industrials						13.0	11.7	6.9	6.9
AC	neutral	2019-12-05	43.20	47.60	+10.2%	12.0	12.0	8.4	8.0
Alumetal	neutral	2020-01-30	42.80	43.80	+2.3%	13.7	14.2	7.9	8.1
Amica	neutral	2019-12-05	133.20	142.00	+6.6%	9.6	9.0	6.2	6.2
Apator	neutral	2020-01-30	20.70	21.00	+1.4%	13.1	12.1	7.2	7.1
Astarta	overweight	2020-01-30	15.90	17.35	+9.1%	-	3.2	7.2	3.1
Boryszew	underweight	2020-01-30	4.54	4.40	-3.2%	14.5	11.5	6.9	7.0
Forte	underweight	2020-01-30	32.30	37.80	+17.0%	23.0	16.3	10.2	9.2
Kruszwica	overweight	2020-01-30	52.20	58.00	+11.1%	12.8	12.1	6.7	6.6
Mangata	neutral	2019-12-05	72.00	75.00	+4.2%	9.1	10.7	6.4	6.9
Pozbud	neutral	2019-12-05	1.80	1.60	-11.1%	3.8	3.6	4.4	5.3
TIM	overweight	2019-12-05	10.90	11.80	+8.3%	13.3	11.7	6.9	6.3

# **CEE** bank valuations

			P/E			ROE			P/BV			DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Polish banks													
Alior Bank	28.28	8.9	8.2	7.8	6%	6%	6%	0.5	0.5	0.5	0.0%	0.0%	0.0%
Handlowy	56.90	16.5	12.0	11.5	6%	9%	9%	1.1	1.0	1.0	6.6%	6.7%	6.3%
ING BSK	197.80	15.4	14.6	13.4	12%	12%	12%	1.9	1.7	1.6	1.8%	1.9%	2.1%
Millennium	5.86	10.2	12.8	15.7	8%	6%	5%	0.8	0.8	0.7	0.0%	0.0%	0.0%
Pekao	103.65	12.0	11.0	10.2	10%	10%	11%	1.2	1.1	1.1	6.4%	6.2%	6.8%
РКО ВР	36.50	11.1	10.6	10.0	10%	10%	10%	1.1	1.1	1.0	3.6%	8.2%	9.7%
Santander BP	307.00	14.7	12.8	11.8	9%	9%	9%	1.2	1.2	1.1	6.4%	1.7%	2.0%
Median		12.0	12.0	11.5	9%	9%	9%	1.1	1.1	1.0	3.6%	1.9%	2.1%
Investors in Polish ba	anks												
BCP	0.190	7.9	6.3	5.4	6%	7%	8%	0.5	0.4	0.4	1.1%	3.7%	5.8%
Citigroup	79.330	10.6	9.2	8.3	10%	10%	10%	1.0	0.9	0.8	2.4%	2.7%	3.1%
Commerzbank	5.916	10.2	11.0	9.6	2%	2%	3%	0.3	0.3	0.3	3.1%	3.1%	3.5%
ING	10.836	8.4	8.7	8.6	9%	9%	9%	0.8	0.8	0.7	6.4%	6.5%	6.6%
UCI	14.122	8.0	8.1	7.7	6%	6%	6%	0.6	0.6	0.5	4.6%	4.1%	4.3%
Median		8.4	8.7	8.3	6%	7%	8%	0.6	0.6	0.5	3.1%	3.7%	4.3%
Foreign banks													
Erste Group	35.60	9.9	9.5	9.4	11%	11%	10%	1.0	1.0	1.0	3.7%	4.2%	4.4%
Komercni Banka	793.50	9.9	10.5	10.0	15%	13%	13%	1.4	1.4	1.3	6.4%	6.4%	6.4%
Moneta Money	85.95	11.5	10.7	10.6	15%	16%	16%	1.7	1.7	1.6	7.2%	6.5%	7.0%
OTP Bank	14,660	10.1	9.2	9.0	20%	18%	17%	1.8	1.6	1.4	1.6%	1.6%	3.7%
RBI	22.40	6.3	6.1	6.0	10%	9%	9%	0.6	0.6	0.5	5.2%	4.7%	5.0%
Akbank	8.12	8.2	5.2	4.7	11%	16%	17%	0.8	0.7	0.6	2.1%	4.3%	5.6%
Alpha Bank	1.85	21.8	13.8	8.5	2%	2%	4%	0.3	0.4	0.4	0.0%	0.0%	0.4%
Banco Santander	3.96	8.5	8.4	7.9	7%	8%	8%	0.7	0.6	0.6	5.5%	5.8%	5.9%
Deutsche Bank	9.96	-	90.5	17.3	-8%	0%	1%	0.4	0.4	0.4	0.0%	0.0%	0.8%
Eurobank Ergasias	0.80	12.3	7.3	6.7	3%	7%	8%	0.6	0.5	0.5	0.0%	0.0%	0.0%
National Bank of Greece	2.95	7.9	12.1	9.4	7%	5%	5%	0.5	0.5	0.5	0.0%	0.0%	0.0%
Piraeus Bank	3.18	12.9	10.7	6.3	3%	2%	4%	0.3	0.3	0.3	0.0%	0.0%	0.0%
Sberbank	254.50	6.5	5.9	5.5	21%	20%	20%	1.3	1.1	1.0	7.4%	8.6%	9.3%
Turkiye Garanti Bank	11.71	7.8	5.2	4.8	13%	18%	18%	0.9	0.8	0.7	-	-	-
Turkiye Halk Bank	7.26	5.9	3.1	2.4	5%	7%	10%	0.3	0.3	0.2	0.8%	1.4%	1.8%
Turkiye Vakiflar Bankasi	6.27	5.6	3.3	2.7	9%	14%	14%	0.5	0.4	0.4	-	-	-
VTB Bank	0.05	3.7	3.7	3.4	12%	12%	12%	0.4	0.4	0.3	31.3%	8.4%	8.4%
Yapi ve Kredi Bankasi	2.90	5.9	4.2	3.5	10%	12%	12%	0.6	0.5	0.4	0.0%	0.0%	0.0%
Median		8.2	7.9	6.5	10%	11%	11%	0.6	0.5	0.5	1.8%	2.9%	4.1%

### Insurance company valuations

			P/E			ROE			P/BV			DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Insurers													
PZU	40.11	11.0	10.4	10.3	21%	22%	22%	2.3	2.3	2.2	7.4%	7.3%	7.7%
Aegon	3.98	6.1	5.9	5.6	6%	6%	7%	0.4	0.4	0.4	7.7%	8.1%	8.5%
Allianz	230.35	12.4	11.4	10.8	12%	12%	12%	1.3	1.3	1.2	4.1%	4.5%	4.5%
Assicurazioni Generali	18.58	10.7	10.8	10.3	11%	10%	10%	1.1	1.0	1.0	5.2%	5.5%	5.8%
Aviva	4.12	7.0	7.1	6.8	13%	13%	13%	0.9	0.9	0.9	7.5%	7.8%	8.1%
AXA	25.27	10.4	9.0	8.6	9%	10%	11%	1.0	0.9	0.9	5.7%	6.1%	6.5%
Baloise	179.80	13.0	13.3	12.4	10%	9%	9%	1.2	1.2	1.1	3.5%	3.7%	3.9%
Helvetia	144.10	13.6	13.9	13.4	10%	10%	10%	1.2	1.2	1.2	3.4%	3.6%	3.7%
Mapfre	2.43	11.8	9.3	8.8	8%	9%	10%	0.9	0.8	0.8	6.1%	6.3%	6.6%
RSA Insurance	5.83	14.9	12.7	11.8	10%	11%	12%	1.5	1.5	1.4	3.9%	33.3%	5.3%
Uniqa	9.95	13.7	12.9	12.2	7%	7%	7%	1.0	1.0	0.9	5.5%	5.8%	5.9%
Vienna Insurance G.	25.20	11.1	9.9	9.4	6%	7%	7%	0.6	0.6	0.6	4.2%	4.4%	4.7%
Zurich Financial	421.30	15.6	13.9	13.2	13%	13%	13%	1.8	1.8	1.7	4.9%	5.2%	5.5%
Median		11.8	10.8	10.3	10%	10%	10%	1.1	1.0	1.0	5.2%	5.8%	5.8%

Source: mBank (stocks marked with bold), Bloomberg

# Gas & Oil valuations

		EV	/EBITD	A		EV/S			P/E		EBI1	DA mar	gin		DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Oil companies																
Lotos	74.88	5.8	5.0	4.7	0.6	0.6	0.5	11.8	9.6	10.0	10%	11%	11%	4.0%	4.0%	4.0%
MOL	2560.00	4.0	4.9	4.3	0.5	0.6	0.6	8.4	9.0	7.6	13%	13%	15%	5.6%	5.8%	6.1%
PKN Orlen	74.44	4.2	5.1	5.2	0.3	0.4	0.4	7.1	11.0	11.3	8%	7%	7%	4.7%	4.7%	4.7%
Hellenic Petroleum	7.88	6.6	5.4	5.5	0.4	0.4	0.4	11.5	7.0	6.7	7%	8%	8%	5.9%	6.0%	6.3%
HollyFrontier	44.80	5.3	5.6	6.0	0.6	0.6	0.5	9.1	9.1	10.4	11%	10%	9%	3.0%	3.2%	3.3%
Marathon Petroleum	58.93	7.0	5.7	5.8	0.5	0.5	0.5	14.2	8.6	9.8	8%	9%	9%	3.6%	4.0%	4.4%
Motor Oil	18.70	5.0	4.2	4.5	0.3	0.3	0.3	8.3	6.3	7.0	5%	7%	6%	6.9%	7.2%	7.5%
Neste Oil	38.61	12.4	13.4	12.1	1.9	2.0	1.9	20.1	20.4	18.2	15%	15%	16%	2.4%	2.5%	2.8%
OMV	43.70	3.8	3.7	3.6	1.0	1.0	0.9	8.4	8.2	7.6	26%	26%	26%	4.4%	4.9%	5.3%
Phillips 66	91.14	7.5	6.6	6.5	0.5	0.5	0.5	11.2	9.5	9.2	7%	7%	7%	3.8%	4.2%	4.6%
Saras SpA	1.29	3.4	2.3	3.0	0.1	0.1	0.1	13.6	5.0	7.5	4%	6%	4%	5.1%	9.0%	7.0%
Tupras	115.00	9.1	5.4	5.1	0.4	0.4	0.4	22.7	6.7	6.0	5%	7%	7%	5.7%	12.8%	14.7%
Valero Energy	85.04	8.1	5.7	6.3	0.4	0.4	0.4	17.2	9.4	10.5	5%	7%	6%	4.2%	4.6%	4.9%
Median		5.8	5.4	5.2	0.5	0.5	0.5	11.5	9.0	9.2	8%	8%	8%	4.4%	4.7%	4.9%
Gas companies																
PGNiG	3.65	4.5	4.5	3.5	0.6	0.6	0.6	12.1	14.2	9.4	12%	13%	16%	3.0%	3.3%	2.8%
A2A SpA	1.84	7.8	7.6	7.2	1.5	1.4	1.4	16.8	16.3	15.4	19%	19%	19%	4.3%	4.3%	4.6%
BP	474.60	4.9	4.8	4.7	0.6	0.6	0.6	12.9	11.7	11.2	13%	13%	13%	0.0%	0.0%	0.0%
Centrica	84.78	4.3	4.3	4.6	0.3	0.3	0.3	11.8	9.0	8.7	7%	7%	7%	0.0%	0.0%	0.0%
Enagas	25.22	11.2	11.3	12.1	9.4	9.7	10.5	13.9	13.6	13.8	83%	85%	87%	6.4%	6.6%	6.7%
Endesa	25.02	9.0	8.7	8.5	1.7	1.6	1.6	17.1	16.2	15.6	19%	19%	19%	5.8%	6.1%	5.3%
Engie	15.94	7.1	6.8	6.5	1.1	1.1	1.0	15.5	13.9	12.6	16%	16%	16%	4.9%	5.2%	5.7%
Eni	13.10	3.7	3.6	3.3	0.9	0.9	0.9	14.6	11.4	10.1	24%	25%	26%	6.6%	6.7%	6.9%
Equinor	162.55	3.2	2.9	2.7	1.1	1.0	1.0	11.7	10.4	9.3	35%	36%	37%	0.1%	0.1%	0.1%
Gas Natural SDG	23.67	9.3	9.0	8.8	1.6	1.6	1.6	17.4	16.2	15.3	17%	18%	18%	5.8%	6.1%	6.4%
Gazprom	238.03	4.0	4.0	3.6	1.1	1.1	1.0	4.3	5.1	4.5	27%	27%	27%	6.4%	7.4%	10.7%
Hera SpA	4.32	8.9	8.5	8.3	1.4	1.3	1.3	19.8	20.3	19.6	16%	16%	15%	2.3%	2.5%	2.6%
NovaTek	1050.00	13.2	10.3	9.8	3.9	3.7	3.5	3.4	9.7	10.1	29%	36%	36%	2.7%	3.4%	3.7%
ROMGAZ	34.55	5.0	5.4	5.2	2.4	2.5	2.5	8.6	9.3	9.1	48%	48%	49%	9.6%	9.0%	9.7%
Shell	24.01	3.2	3.1	2.9	0.5	0.5	0.5	12.2	10.5	9.6	16%	17%	17%	8.5%	8.6%	8.7%
Snam SpA	5.05	13.4	13.2	12.8	10.8	10.7	10.4	15.5	15.3	14.6	81%	81%	81%	4.8%	5.0%	5.2%
Total	45.49	5.4	4.8	4.6	1.0	0.9	0.9	12.6	10.7	10.3	18%	19%	20%	6.4%	6.7%	7.1%
Median		5.4	5.4	5.2	1.1	1.1	1.0	12.9	11.7	10.3	19%	19%	19%	4.9%	5.2%	5.3%

# Power generation company valuations

		EV	//EBITD	A		EV/S			P/E		EBI	<b>FDA</b> mar	gin		DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Power generation																
CEZ	493.00	7.2	6.7	6.5	2.1	1.9	1.8	14.7	12.8	12.9	29%	28%	27%	4.9%	6.1%	7.0%
Enea	7.09	3.0	3.0	2.7	0.6	0.5	0.6	3.0	2.9	2.3	20%	18%	21%	0.0%	0.0%	3.4%
Energa	7.40	3.7	4.3	4.5	0.7	0.7	0.8	5.8	5.6	5.0	19%	17%	17%	0.0%	0.0%	0.0%
PGE	6.50	2.9	3.4	2.6	0.6	0.6	0.6	4.4	5.6	3.8	21%	17%	21%	0.0%	5.7%	4.4%
Tauron	1.49	4.0	3.7	3.2	0.7	0.6	0.6	2.9	2.4	1.9	18%	17%	19%	0.0%	0.0%	0.0%
EDF	11.73	5.2	4.8	4.7	1.2	1.2	1.1	17.5	14.5	14.1	23%	24%	25%	2.7%	3.2%	3.3%
EDP	4.65	10.0	9.8	9.5	2.2	2.1	2.1	21.7	19.9	18.7	22%	22%	23%	4.1%	4.1%	4.3%
Endesa	25.02	9.0	8.7	8.5	1.7	1.6	1.6	17.1	16.2	15.6	19%	19%	19%	5.8%	6.1%	5.3%
Enel	8.13	8.1	7.8	7.5	1.8	1.8	1.8	17.1	15.5	14.6	22%	23%	24%	4.1%	4.5%	4.9%
EON	10.89	11.3	8.4	8.2	1.8	1.0	0.9	16.7	16.6	15.4	16%	12%	11%	4.2%	4.4%	4.6%
Fortum	21.89	14.8	13.8	13.8	4.5	4.5	4.4	12.8	14.1	14.0	31%	33%	32%	5.0%	5.0%	5.0%
Iberdola	10.43	10.9	10.2	9.7	2.9	2.8	2.7	19.7	18.4	17.5	27%	27%	28%	3.7%	3.9%	4.1%
National Grid	1028.20	12.6	12.0	11.3	4.1	4.1	4.0	17.7	17.5	16.8	32%	34%	35%	0.0%	0.0%	0.0%
Red Electrica	18.56	9.9	9.7	9.8	7.7	7.6	7.6	14.0	15.0	15.2	78%	78%	78%	5.7%	5.5%	5.5%
RWE	32.51	9.0	6.0	5.2	1.4	1.1	1.1	19.4	19.5	14.5	16%	19%	21%	2.5%	2.8%	3.4%
SSE	1624.50	13.2	13.0	11.9	0.9	2.9	2.9	24.2	19.0	16.6	7%	23%	24%	0.0%	0.0%	0.0%
Verbund	47.70	8.9	7.5	7.2	3.1	2.8	2.8	29.4	23.8	22.7	35%	37%	38%	1.5%	2.0%	2.2%
Median		9.0	7.8	7.5	1.8	1.8	1.8	17.1	15.5	14.6	22%	23%	24%	2.7%	3.9%	4.1%

### Machine and equipment manufacturers

		E\	//EBITD/	A		EV/S			P/E		EBI	DA mar	gin		DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Industrials																
Famur	3.21	3.9	4.0	4.4	1.0	1.1	1.1	4.9	7.5	8.7	25%	28%	26%	16.5%	12.3%	10.1%
Caterpillar	139.59	7.6	8.6	8.3	1.5	1.6	1.6	12.9	14.8	13.2	20%	19%	19%	2.7%	3.0%	3.3%
Epiroc	120.75	9.6	9.6	9.2	2.5	2.5	2.4	22.6	22.8	21.4	25%	26%	26%	2.1%	2.2%	2.4%
Komatsu	2356.00	5.6	6.9	6.8	1.1	1.2	1.2	8.9	11.8	11.4	19%	17%	17%	4.5%	4.6%	4.6%
Sandvig AG	189.90	10.4	10.3	9.8	2.4	2.5	2.4	17.9	16.8	15.7	23%	24%	24%	2.4%	2.6%	2.8%
Median		7.6	8.6	8.3	1.5	1.6	1.6	12.9	14.8	13.2	23%	21%	22%	2.7%	3.0%	3.3%

Source: mBank (stocks marked with bold), Bloomberg

# Fertilizer producers and chemical companies

		EV	/ EBITD	A		EV/S			P/E		EBIT	DA mar	gin		DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Fertilizer producers																
Grupa Azoty	28.60	4.4	5.8	7.8	0.6	0.7	0.8	7.1	13.0	54.5	13%	11%	10%	0.0%	0.0%	0.0%
Acron	4780.00	8.0	7.0	6.7	2.5	2.2	2.0	9.7	7.9	7.8	31%	32%	30%	6.8%	6.9%	7.2%
CF Industries	41.61	9.4	9.1	8.6	3.4	3.4	3.2	19.6	17.7	14.9	36%	37%	38%	2.9%	2.9%	3.0%
Israel Chemicals	1479.00	6.5	6.4	6.0	1.5	1.4	1.3	11.3	10.8	9.8	22%	22%	22%	0.0%	0.0%	0.0%
K+S	9.12	8.1	7.6	6.6	1.3	1.2	1.2	19.2	15.2	8.8	16%	16%	18%	2.6%	3.2%	4.1%
Phosagro	2431.00	5.8	6.2	5.7	1.8	1.9	1.8	8.1	10.4	10.3	31%	30%	31%	7.3%	4.9%	4.9%
The Mosaic Company	20.35	8.5	7.5	6.2	1.3	1.3	1.3	48.3	21.9	12.6	16%	18%	20%	0.9%	1.1%	1.3%
Yara International	382.10	51.8	47.0	43.3	8.2	7.8	7.5	-	-	-	16%	17%	17%	0.3%	0.5%	0.5%
ZCh Puławy	90.20	-	-	3.0	-	-	0.5	-	-	7.0	-	-	16%	-	-	5.5%
Median		8.1	7.3	6.6	1.6	1.6	1.3	11.3	13.0	10.0	19%	20%	20%	1.8%	2.0%	3.0%
Chemical companies																
Ciech	39.40	6.6	5.7	5.6	1.0	1.1	1.1	15.2	9.3	9.2	16%	20%	19%	0.0%	0.0%	5.4%
Akzo Nobel	90.14	13.9	12.1	11.4	2.0	1.9	1.9	29.8	21.6	19.4	14%	16%	17%	2.1%	2.4%	2.6%
BASF	63.86	9.4	8.8	8.1	1.3	1.2	1.2	16.7	15.2	13.5	14%	14%	15%	5.1%	5.2%	5.3%
Croda	5205.00	17.8	17.0	16.2	5.1	5.0	4.9	27.8	26.6	24.9	29%	30%	30%	0.0%	0.0%	0.0%
Sisecam	5.50	4.2	3.7	3.1	0.9	0.7	0.6	6.1	6.3	5.9	21%	20%	21%	4.1%	4.4%	4.7%
Soda Sanayii	6.36	6.5	5.7	4.8	1.5	1.3	1.2	5.3	-	-	24%	24%	25%	-	-	-
Solvay	98.66	5.4	5.4	5.1	1.2	1.2	1.1	11.0	12.4	11.2	22%	22%	22%	3.9%	4.0%	4.2%
Tata Chemicals	756.65	10.3	9.4	8.5	1.9	1.8	1.7	18.4	17.2	15.4	18%	20%	20%	1.6%	1.9%	1.6%
Tessenderlo Chemie	31.50	5.5	5.4	5.1	0.8	0.8	0.8	16.0	12.1	10.6	15%	15%	15%	-	-	-
Wacker Chemie	72.54	6.2	6.6	5.7	0.9	0.9	0.9	53.2	27.5	19.0	15%	14%	15%	2.2%	2.4%	3.0%
Median		6.6	6.1	5.6	1.2	1.2	1.2	16.3	15.2	13.5	17%	20%	20%	2.2%	2.4%	3.6%

### **Mining company valuations**

		EV/EBIT	DA		EV/S			P/E		EBI	DA mar	gin _		DY	
	Price 20	19 2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Metals															
		.8 4.3		1.2	1.1	1.1	8.7	8.6	12.4	24%	24%	20%	0.0%	1.5%	3.5%
5	53.50	4.6 4.		1.6	1.6	1.6	9.9	10.1	11.4	34%	34%	32%	0.0%	0.0%	0.0%
5	80.00	5.8 5.8		2.9	2.9	2.7	21.6	20.8	18.0	49%	49%	50%	0.0%	0.0%	0.0%
BHP Group LTD	38.40	3.8 3.	3 4.1	2.0	2.0	2.1	13.6	13.0	14.6	53%	53%	51%	3.9%	2.6%	2.3%
Boliden 2-	42.00	5.5 5.	L 5.2	1.4	1.3	1.3	11.3	10.3	10.6	25%	25%	25%	4.5%	5.2%	5.4%
First Quantum	11.82	9.4 6.	) 5.8	3.6	2.6	2.6	35.4	22.3	13.6	39%	44%	44%	0.1%	0.1%	0.1%
Freeport-McMoRan	12.67 1	4.1 9.	5 5.5	2.4	2.3	1.9	-	29.7	10.5	17%	24%	35%	1.6%	1.6%	1.7%
Fresnillo 6	46.80	9.0 7.	6.1	3.1	2.9	2.8	36.0	27.2	20.6	34%	40%	45%	0.0%	0.0%	0.0%
Gold Fields 92	99.00	5.1 4.	) 3.7	2.3	2.0	1.9	33.7	14.4	11.8	46%	51%	52%	0.0%	0.0%	0.0%
Hudbay Min	4.28	4.1 3.	7 3.0	1.2	1.2	1.1	-	-	15.5	29%	32%	37%	0.3%	0.3%	0.3%
KAZ Minerals 5	09.80	5.0 5.	) 4.9	2.7	2.7	2.6	6.6	6.5	6.4	54%	53%	52%	0.0%	0.0%	0.0%
Lundin Min	7.45	7.1 4.	5 3.8	2.5	2.0	1.8	26.5	12.0	9.2	36%	42%	47%	0.9%	1.1%	2.2%
MMC Norilsk Nickel	34.85	3.4 7.	2 7.3	4.8	4.4	4.3	11.1	9.9	10.6	57%	61%	59%	6.7%	8.8%	9.6%
OZ Minerals	10.32	7.2 7.4	4.9	3.1	2.8	2.2	18.9	22.7	11.1	43%	37%	45%	1.9%	1.6%	2.4%
Polymetal Intl 12	71.00	9.1 7.3	3 7.9	4.2	3.9	3.9	14.4	11.1	11.2	46%	50%	49%	0.0%	0.0%	0.0%
Polyus 78	38.50	7.8 7.	6.9	5.1	4.6	4.6	10.1	8.9	8.8	66%	67%	67%	4.4%	5.0%	5.0%
Sandfire Resources	5.24	2.3 2.	) 1.8	1.2	1.1	1.0	7.4	7.2	5.2	51%	52%	56%	4.8%	4.5%	5.6%
Southern CC	39.51	9.9 9.4	9.1	4.9	4.7	4.6	19.5	18.0	17.2	50%	50%	50%	4.1%	4.1%	4.0%
Median		.4 5.	5.3	2.6	2.5	2.1	14.0	12.0	11.3	44%	46%	48%	0.6%	1.3%	2.0%
		EV/EBIT			EV/S			P/E		EBI	DA mar			DY	
I	Price 20	19 2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Coal															
		.8 3.:		0.1	0.2	0.3	4.7	-	-	19%	8%	10%	9.1%	0.0%	0.0%
Alliance Res Partners	7.89	1.7 2.	L 2.2	0.5	0.6	0.6	3.2	8.1	8.8	30%	28%	27%	-	-	-
Arch Coal	56.51	2.3 2.		0.4	0.4	0.4	4.1	5.1	4.3	16%	16%	15%	3.2%	3.2%	3.2%
		2.3 12.		2.0	2.1	2.1	14.2	15.0	11.0	16%	18%	21%	4.1%	3.7%	4.6%
BHP Group	52.39	3.8 3.	3 4.1	2.0	2.0	2.1	13.8	13.1	14.7	53%	53%	51%	8.5%	5.7%	5.1%
China Coal Energy	2.76	4.5 4.	5 4.7	0.9	0.9	0.9	5.1	5.5	5.3	20%	20%	19%	4.4%	4.0%	4.0%
LW Bogdanka	27.00	0.9 0.9	9 1.0	0.3	0.3	0.3	3.0	4.0	5.3	36%	34%	31%	3.5%	7.8%	8.0%
Peabody Energy Corp	7.72	2.0 2.9	2.4	0.3	0.4	0.4	-	-	-	16%	13%	15%	30.4%	7.5%	7.6%
PT Bukit Asam Tbk 22	80.00	3.6 3.9	3.9	1.0	1.0	0.9	6.2	7.1	6.8	27%	24%	24%	12.9%	10.5%	8.5%
Rio Tinto 42	63.00	3.8 4.	2 4.6	1.8	1.9	2.0	8.9	9.8	12.1	48%	46%	44%	0.0%	0.0%	0.0%
Semirara Mining&Power	20.00	5.4 4.	7 4.2	2.4	2.2	2.0	8.2	7.3	6.5	45%	46%	48%	7.9%	8.3%	8.8%
Shanxi Xishan Coal&Ele	5.26	3.3 4.	) 4.1	0.6	0.6	0.6	-	-	-	18%	15%	15%	3.9%	3.9%	3.6%
Shougang Fushan Res	1.59	4.7 4.	5 5.2	2.5	2.4	2.4	6.9	6.8	7.8	54%	52%	47%	8.4%	8.0%	5.8%
Stanmore Coal	0.00	1.0 1.	5 2.3	0.4	0.4	0.4	2.4	4.1	6.7	38%	26%	19%	9.5%	6.5%	6.2%
Stannord Cour	0.93	1.0 1.0	2.0												
	0.93 14.11	3.0 3.1		1.1	1.2	1.1	6.5	7.3	6.7	37%	36%	37%	2.0%	2.5%	4.4%
			3 3.1	1.1 0.4	1.2 0.5	1.1 0.4	6.5 2.2	7.3 4.1	6.7 3.2	37% 30%	36% 24%	37% 26%	2.0%	2.5% 6.9%	4.4% 10.3%
Teck Resources Terracom	14.11	3.0 3.1	3 3.1 9 1.6										2.0% - 22.4%		
Teck Resources Terracom	14.11 0.29	3.0 3.1 1.3 1.1	3 3.1 9 1.6 5 3.3	0.4	0.5	0.4	2.2	4.1	3.2	30%	24%	26%	-	6.9%	10.3%

Source: mBank (stocks marked with bold), Bloomberg

# **European telecom valuations**

		EV	/ EBITD	4		EV/S			P/E		EBIT	DA mar	gin		DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Polish companies																
Netia	4.41	4.5	4.6	4.6	1.5	1.5	1.6	30.8	31.5	28.4	34%	34%	34%	0.0%	0.0%	9.1%
Orange Polska	7.02	5.4	5.6	5.1	1.5	1.5	1.5	33.0	36.2	19.9	29%	28%	29%	0.0%	0.0%	3.6%
Play	33.26	6.3	6.1	5.6	2.1	2.2	2.0	9.6	8.8	8.7	34%	36%	36%	4.4%	4.4%	4.4%
Median		5.4	5.6	5.1	1.5	1.5	1.6	30.8	31.5	19.9	34%	34%	34%	0%	0.0%	4.4%
Mid Caps																
Proximus	26.22	5.9	5.9	5.9	2.0	2.0	2.0	15.5	15.3	15.4	33%	34%	34%	5.7%	5.7%	5.8%
Telefonica CP	233.00	6.6	6.8	6.8	2.1	2.1	2.1	14.7	15.6	14.6	32%	31%	31%	8.9%	9.0%	9.0%
Hellenic Telekom	13.71	5.6	5.4	5.3	2.0	2.0	1.9	18.8	15.6	13.6	36%	36%	36%	4.1%	4.5%	5.2%
Matav	452.00	4.1	4.0	4.0	1.3	1.3	1.3	11.4	10.2	10.4	32%	32%	32%	5.9%	6.3%	6.5%
Telecom Austria	7.38	5.4	5.3	5.2	1.8	1.8	1.8	12.2	11.1	10.6	34%	34%	35%	2.9%	3.2%	3.6%
Median		5.6	5.4	5.3	2.0	2.0	1.9	14.7	15.3	13.6	33%	34%	34%	5.7%	5.7%	5.8%
Big Caps																
BT	155.20	3.5	3.3	3.3	1.1	1.1	1.2	5.9	6.6	6.5	32%	35%	35%	0.0%	0.0%	0.0%
DT	15.62	6.2	5.9	5.6	1.9	1.9	1.8	15.3	14.2	12.7	31%	32%	33%	4.2%	4.4%	4.6%
KPN	2.48	6.6	6.8	6.6	3.0	3.0	3.1	17.1	18.8	16.3	45%	45%	47%	5.3%	5.6%	5.9%
Orange France	12.85	4.8	4.8	4.7	1.5	1.5	1.5	12.9	12.1	11.4	31%	31%	31%	5.5%	5.7%	6.1%
Swisscom	571.20	8.8	8.8	8.7	3.3	3.4	3.4	18.9	19.8	20.0	38%	38%	39%	3.9%	3.9%	3.9%
Telefonica S.A.	6.33	5.4	5.2	5.1	1.8	1.8	1.8	11.8	9.4	8.7	32%	34%	35%	6.3%	6.4%	6.5%
Telia Company	41.23	8.5	8.3	8.2	3.1	2.8	2.8	18.9	17.3	16.0	36%	34%	35%	5.9%	6.0%	6.1%
TI	0.51	4.5	4.5	4.5	1.9	1.9	1.9	8.9	9.0	7.8	42%	42%	43%	0.0%	0.0%	0.4%
Median		5.8	5.5	5.3	1.9	1.9	1.9	14.1	13.1	12.0	34%	34%	35%	4.7%	5.0%	5.3%

# Media company valuations

		EV	/EBITD	A		EV/S			P/E		EBI	DA mar	gin		DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Polish companies																
Agora	13.30	7.6	7.2	6.8	1.0	1.0	1.0	63.4	33.8	22.4	14%	14%	15%	3.8%	3.8%	3.8%
Wirtualna Polska	84.00	13.8	11.2	10.0	3.9	3.3	2.9	36.3	22.8	19.8	28%	29%	29%	1.2%	1.2%	2.3%
Median		10.7	9.2	8.4	2.5	2.2	1.9	49.9	28.3	21.1	21%	22%	22%	2.5%	2.5%	3.0%
Daily Mail																
Arnolgo Mondadori	1.86	6.0	5.8	5.7	0.7	0.7	0.7	13.3	11.6	11.6	11%	12%	12%	3.2%	4.0%	3.0%
Axel Springer	63.00	12.2	12.2	11.2	2.6	2.6	2.5	26.0	25.4	22.1	21%	21%	22%	3.4%	3.5%	3.7%
Daily Mail	810.00	8.4	9.4	8.7	1.1	1.2	1.2	21.6	22.0	19.9	14%	13%	14%	0.0%	0.0%	0.0%
Gruppo Editorial	0.46	6.8	6.7	6.8	0.5	0.5	0.5	-	19.9	16.3	8%	8%	8%	0.0%	2.4%	2.6%
New York Times	38.99	27.2	26.2	22.6	3.5	3.4	3.2	50.1	48.0	39.9	13%	13%	14%	0.5%	0.5%	0.6%
Promotora de Inform	1.35	9.2	7.9	8.1	1.9	1.8	1.9	14.8	11.0	8.2	20%	23%	23%	0.0%	0.0%	-
Median		8.8	8.6	8.4	1.5	1.5	1.5	21.6	20.9	18.1	13%	13%	14%	0.3%	1.5%	2.6%
т																
Atresmedia Corp	3.14	5.1	5.5	5.7	0.9	0.9	0.9	5.9	6.2	6.5	18%	17%	16%	13.1%	12.4%	12.1%
Gestevision Telecinco	5.13	5.9	6.4	6.8	1.7	1.7	1.7	8.3	8.8	9.2	28%	26%	25%	8.2%	8.3%	8.2%
ITV PLC	135.50	8.7	8.9	8.3	2.0	1.9	1.9	10.2	10.3	9.6	23%	22%	23%	0.0%	0.0%	0.0%
M6-Metropole Tel	15.41	5.3	5.2	5.0	1.4	1.3	1.3	11.0	10.7	10.1	25%	25%	25%	6.5%	6.6%	6.7%
Mediaset SPA	2.40	4.2	4.2	4.2	1.5	1.5	1.5	11.7	9.9	9.5	36%	35%	36%	4.7%	5.2%	6.0%
Prosieben	12.32	6.1	5.8	5.5	1.3	1.2	1.2	6.8	6.6	6.2	21%	21%	22%	7.4%	7.6%	7.4%
TF1-TV Francaise	6.95	3.1	3.1	2.9	0.6	0.6	0.6	8.6	8.3	7.2	19%	19%	20%	6.6%	6.7%	7.4%
Median		5.6	5.5	5.2	1.4	1.4	1.4	9.4	9.3	9.4	24%	23%	24%	6.6%	6.6%	7.0%
Pay TV																
Cogeco	106.51	5.8	5.8	5.6	2.9	2.8	2.7	15.3	14.4	13.8	50%	48%	49%	2.0%	1.9%	2.1%
Comcast	46.02	9.0	8.8	8.5	2.8	2.7	2.6	14.9	14.3	13.5	32%	31%	31%	1.8%	2.0%	2.2%
Dish Network	40.11	9.7	10.0	10.9	1.8	1.9	2.0	15.9	19.7	22.8	19%	19%	18%	0.0%	0.0%	0.0%
Liberty Global	21.44	4.7	4.7	4.7	1.9	1.9	1.9	-	-	-	41%	40%	40%	0.0%	0.0%	0.0%
Shaw Communications	19.76	7.8	7.1	6.9	3.2	3.1	3.0	18.9	20.0	18.2	41%	44%	44%	8.0%	8.0%	8.0%
Median		7.8	7.1	6.9	2.8	2.7	2.6	15.6	17.0	16.0	41%	40%	40%	1.8%	1.9%	2.1%

### **IT company valuations**

		EV	/EBITD	4		EV/S			P/E		EBI	DA mar	gin		DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Polish companies																
Asseco Poland	66.25	5.4	5.1	4.9	0.8	0.8	0.7	16.7	16.2	15.8	15%	15%	15%	4.6%	4.6%	3.4%
Comarch	208.00	6.6	6.4	6.0	1.2	1.0	0.9	15.1	14.4	13.9	18%	16%	16%	0.7%	0.7%	0.7%
Median		6.0	5.7	5.4	1.0	0.9	0.8	15.9	15.3	14.8	16%	16%	15%	2.7%	2.7%	2.1%
Foreign companies																
Atos Origin	80.38	7.4	7.3	6.9	1.1	1.1	1.1	9.7	9.0	8.5	15%	15%	15%	2.0%	2.2%	2.4%
CapGemini	117.35	9.7	9.0	8.5	1.5	1.4	1.3	18.7	16.9	15.5	15%	16%	16%	1.6%	1.7%	1.9%
IBM	155.31	10.6	10.4	9.9	2.5	2.4	2.4	12.1	11.6	11.0	24%	23%	24%	4.2%	4.3%	4.5%
Indra Sistemas	11.35	7.1	6.6	6.3	0.8	0.7	0.7	15.0	13.0	11.9	11%	11%	11%	0.5%	1.2%	1.7%
Microsoft	184.71	25.1	20.8	18.8	10.8	9.5	8.5	40.3	32.7	29.3	43%	45%	45%	1.0%	1.1%	1.2%
Oracle	55.73	10.5	10.2	9.8	4.9	4.8	4.7	16.2	14.3	13.2	47%	47%	48%	1.5%	1.7%	1.7%
SAP	126.78	16.7	16.8	15.0	6.0	5.6	5.2	25.4	23.0	20.6	36%	33%	35%	1.2%	1.4%	1.5%
TietoEVRY	31.22	18.1	10.8	10.1	2.7	1.5	1.5	17.0	15.0	13.9	15%	14%	14%	4.5%	4.5%	4.7%
Median		10.6	10.3	9.9	2.6	2.0	1.9	16.6	14.7	13.6	19%	19%	20%	1.5%	1.7%	1.8%

Source: mBank (stocks marked with bold), Bloomberg

# Gaming company valuations

		EV/EBITDA				EV/S			P/E		EBIT	DA mar	gin		DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Gaming																
11 bit studios	453.50	35.3	29.6	7.5	14.7	12.3	4.7	58.7	46.9	11.2	42%	41%	62%	0.0%	0.0%	0.0%
CD Projekt	313.20	-	11.7	13.0	62.9	8.9	10.5	-	13.4	14.9	29%	76%	81%	0.3%	0.0%	0.0%
PlayWay	369.50	28.3	23.3	21.2	18.9	15.6	14.1	39.3	34.3	31.0	67%	67%	67%	0.7%	2.3%	2.7%
Activision Blizzars	62.80	20.1	17.4	15.5	7.1	6.6	6.0	28.4	25.3	22.0	35%	38%	39%	0.6%	0.6%	0.7%
Capcom	3275.00	16.8	15.4	13.8	4.1	4.8	4.1	26.7	22.7	21.1	24%	31%	30%	1.1%	1.3%	1.4%
Take Two	114.02	15.4	16.0	15.7	3.7	3.8	3.9	24.1	23.6	24.4	24%	24%	25%	-	-	-
Ubisoft	74.00	8.9	14.8	8.4	4.4	5.6	3.6	25.0	-	21.2	50%	38%	43%	0.0%	0.0%	0.0%
Electronic Arts	109.72	18.6	16.1	15.1	5.9	5.5	5.3	28.0	23.4	22.3	32%	34%	35%	-	0.0%	0.0%
Paradox Interactive	141.00	20.1	14.9	13.0	11.3	8.7	7.9	40.6	29.6	25.9	56%	59%	60%	0.8%	1.5%	1.8%
Mediana		19.4	16.0	13.8	7.1	6.6	5.3	28.2	24.5	22.0	35%	38%	43%	0.6%	0.3%	0.4%

Source: mBank (stocks marked with bold), Bloomberg

### **Steam Global Top Sellers**

2020-02-13	Company	Position	D/D change	W/W change	1-week average	Price (PLN)	D/D change	W/W change	1-week average
Frostpunk	11 bit studios	200+	-	-	160	-	-	-	110.00
Frostpunk: SP	11 bit studios	171	-2	-88	136	88	0%	0%	88.00
Frostpunk: GOTY	11 bit studios	200+	-	-	196	-	-	-	178.00
Blair Witch	Bloober Team	200+	-	-	-	-	-	-	-
Cyberpunk 2077	CD Projekt	67	+ 5	+26	77	199	0%	0%	199.00
The Witcher 3: WH	CD Projekt	136	+19	-24	127	100	0%	0%	100.00
The Witcher 3: WH (GOTY)	CD Projekt	75	+9	-20	66	150	0%	0%	150.00
Green Hell	Creepy Jar	200+	-	-	-	-	-	-	-
Chernobylite	The Farm 51	200+	-	-	-	-	-	-	-
Dying Light	Techland	139	+ 34	-66	119	100	0%	0%	100.00

### Steam Wishlist

2020-02-13	Company	Position	D/D change	W/W change	1-week average	Release date
Cyberpunk 2077	CD Projekt	1	-	-	1	2020-09-17
Alaskan Truck Simulator	Movie Games	54	-	-	54	2020
Bum Simulator	PlayWay	42	-1	-	42	2019
I am Your President	PlayWay	71	-2	-3	69	TBA
Junkyard Simulator	PlayWay	52	-1	-1	51	2019
Ship Builder Simulator	PlayWay	90	-4	-4	86	TBA
Tank Mechanic Simulator	PlayWay	63	-2	-3	61	2019
Dying Light 2	Techland	3	-	-	3	Spring 2020

Source: Steam (Valve Corporation), Biuro maklerskie mBanku

# **Construction company valuations**

		EV/EBITDA				EV/S			P/E		EBIT	DA mar	gin		DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Construction																
Acciona	110.40	9.0	8.8	8.4	1.6	1.5	1.4	21.3	20.9	19.6	17%	17%	17%	3.4%	3.6%	3.8%
Budimex	183.80	9.4	8.7	7.0	0.5	0.5	0.5	23.9	20.3	14.8	6%	6%	7%	3.4%	3.6%	3.8%
Ferrovial	29.55	-	44.8	37.9	4.5	4.5	4.4	-	51.8	42.8	3%	10%	12%	2.5%	2.6%	2.6%
Hochtief	111.40	3.8	3.8	3.6	0.3	0.3	0.3	22.6	11.5	11.0	7%	7%	7%	5.2%	5.7%	5.7%
Mota Engil	1.68	4.0	3.9	3.7	0.6	0.6	0.5	24.0	6.0	14.0	14%	14%	15%	3.6%	-	5.4%
NCC	191.05	9.1	7.1	6.6	0.4	0.4	0.4	20.6	13.9	12.5	4%	5%	6%	3.1%	3.8%	4.1%
Skanska	236.10	8.4	9.7	8.7	0.5	0.5	0.5	14.8	16.2	15.4	6%	5%	6%	2.8%	3.1%	3.4%
Strabag	30.80	2.9	2.9	2.8	0.2	0.2	0.2	9.9	10.1	9.6	6%	6%	7%	4.3%	4.4%	4.7%
Median		8.4	7.9	6.8	0.5	0.5	0.5	21.3	15.0	14.4	6%	7%	7%	3.4%	3.6%	4.0%

### **Real-estate developers**

	EV/EBITDA				P/BV			P/E EBITDA margin				gin	DY			
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
RE Developers																
Atal	40.00	13.9	7.0	6.7	2.0	1.7	1.7	14.0	7.4	6.8	23%	23%	23%	11.8%	6.6%	12.3%
Dom Development	97.60	7.9	7.9	7.7	2.3	2.2	2.2	9.7	9.0	8.5	19%	20%	20%	9.3%	10.3%	11.1%
Develia	2.80	6.2	11.7	7.6	0.8	0.9	0.9	7.7	18.7	8.5	28%	30%	24%	9.6%	14.6%	7.9%
Echo Investment	5.15	8.5	8.4	9.0	1.3	1.3	1.2	7.3	7.9	7.9	58%	57%	52%	9.7%	9.6%	6.0%
GTC	9.65	14.5	14.1	13.0	1.0	1.0	1.0	9.7	9.1	9.1	89%	83%	83%	0.2%	0.3%	0.3%
CA Immobilien Anlagen	41.00	30.8	26.8	23.7	1.4	1.3	1.2	32.7	28.8	26.0	66%	69%	-	2.3%	2.5%	2.7%
Deutsche Euroshop AG	24.24	14.9	15.7	15.7	0.7	0.7	0.7	12.7	12.1	11.8	88%	84%	84%	6.4%	6.6%	6.6%
Immofinanz AG	26.05	29.8	26.8	25.7	0.9	0.9	0.9	24.3	20.8	19.0	47%	49%	49%	3.5%	4.0%	4.3%
Klepierre	30.26	19.6	19.5	19.3	0.9	0.9	0.9	11.0	10.7	10.5	84%	85%	85%	7.3%	7.5%	7.6%
Segro	920.60	40.0	35.8	32.8	1.3	1.2	1.2	37.6	34.6	33.2	85%	86%	88%	0.0%	0.0%	0.0%
Median		14.7	14.9	14.4	1.2	1.1	1.1	11.9	11.4	9.8	62%	63%	52%	6.8%	6.6%	6.3%

Source: mBank (stocks marked with bold), Bloomberg

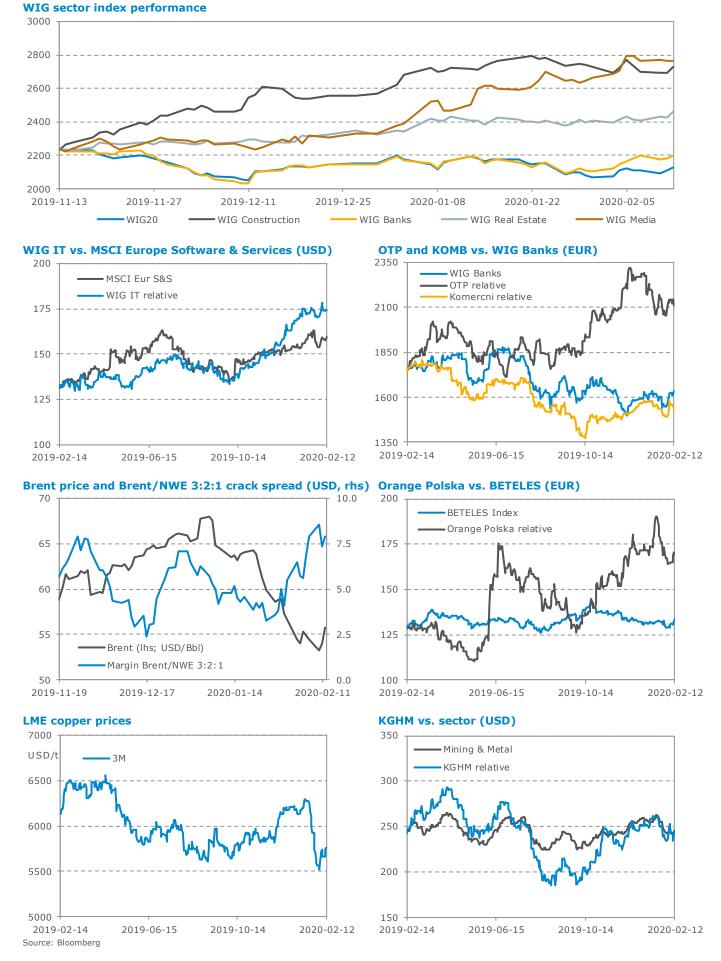
# **Clothing and footwear company valuations**

	EV/EBITDA				EV/S P/			P/E	P/E EBITDA margin				DY			
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Polish companies																
CCC	103.10	5.8	4.5	3.8	0.9	0.8	0.7	-	21.6	14.3	15%	17%	17%	0.5%	1.9%	1.9%
LPP	8420.00	11.4	9.4	8.2	1.6	1.4	1.2	27.5	19.2	15.7	14%	15%	14%	0.7%	0.5%	0.8%
VRG	3.85	4.7	4.3	3.8	0.9	0.8	0.7	14.9	12.3	11.1	19%	19%	19%	0.0%	0.0%	0.0%
Median		5.8	4.5	3.8	0.9	0.8	0.7	21.2	19.2	14.3	15%	17%	17%	0.5%	0.5%	0.8%
Foreign companies																
ABC Mart	7100.00	9.5	9.2	8.9	1.7	1.7	1.6	19.2	18.9	18.1	18%	18%	18%	2.2%	2.4%	2.4%
Adidas	290.70	15.9	14.9	13.5	2.4	2.3	2.1	29.8	26.6	23.5	15%	15%	16%	1.3%	1.5%	1.7%
Assoc Brit Foods	2666.00	10.1	9.3	8.8	1.3	1.3	1.2	19.2	18.1	16.7	13%	14%	14%	0.0%	0.0%	0.0%
Caleries	18.08	4.0	3.9	3.7	0.3	0.3	0.3	7.9	7.7	7.1	7%	7%	7%	1.5%	1.5%	1.5%
Crocs	37.86	15.7	12.4	11.2	2.1	1.9	1.7	23.7	19.0	16.6	13%	15%	15%	-	-	-
Foot Locker	41.11	4.0	4.0	4.0	0.5	0.4	0.4	9.0	8.4	7.9	11%	11%	11%	3.3%	3.7%	4.1%
Geox	1.16	8.2	3.9	3.2	0.4	0.4	0.3	-	46.3	15.9	5%	9%	11%	2.4%	1.9%	2.8%
H&M	203.90	11.1	10.2	9.7	1.3	1.3	1.2	25.9	23.1	21.4	12%	12%	13%	4.8%	4.7%	4.8%
Hugo Boss	43.07	5.5	5.2	4.9	1.1	1.0	1.0	13.4	12.1	11.2	19%	20%	20%	6.1%	6.4%	6.8%
Inditex	31.50	16.4	12.2	11.3	3.5	3.2	3.0	28.2	25.7	24.0	21%	27%	27%	2.5%	3.4%	3.8%
KappAhl	20.02	6.0	5.6	5.8	0.4	0.4	0.4	10.6	10.5	11.0	7%	7%	7%	5.2%	5.0%	5.0%
Lululemon	253.94	36.7	29.5	25.3	9.3	7.7	6.6	67.8	52.0	43.9	25%	26%	26%	0.0%	0.0%	0.0%
Nike	103.00	22.6	20.5	17.7	3.3	3.0	2.8	39.9	34.2	29.5	15%	15%	16%	0.8%	0.9%	1.0%
Under Armour	17.04	7.5	6.4	5.3	0.6	0.6	0.5	49.7	36.6	27.4	8%	9%	10%	0.0%	0.0%	0.0%
Median		9.8	9.3	8.8	1.3	1.3	1.2	23.7	21.1	17.4	13%	14%	15%	2.2%	1.9%	2.4%

### Luxury, e-commerce, and food retail company valuations

	EV/EBITDA				EV/S			P/E		EBI	DA mar	gin		DY		
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Luxury goods																
Estee Lauder	214.79	15.6	13.9	12.6	3.3	3.0	2.8	41.0	36.2	32.4	21%	22%	22%	0.8%	0.9%	1.0%
Hermes Internetional	709.40	26.4	24.1	22.1	10.3	9.5	8.7	48.6	43.6	39.7	39%	39%	40%	0.7%	0.9%	1.0%
Kering	598.00	14.2	13.0	12.2	4.9	4.5	4.2	24.2	20.9	19.1	35%	35%	35%	1.9%	2.2%	2.4%
LVMH	424.70	15.5	13.8	12.7	4.1	3.8	3.5	29.1	26.1	23.5	27%	27%	28%	1.6%	1.7%	2.0%
Moncler	39.31	15.7	14.8	13.1	5.9	5.2	4.7	27.5	25.7	23.0	37%	35%	36%	1.2%	1.3%	1.5%
Median		15.6	13.9	12.7	4.9	4.5	4.2	29.1	26.1	23.5	35%	35%	35%	1.2%	1.3%	1.5%
E-commerce																
Asos	3541.00	27.6	19.4	14.7	1.1	1.0	0.9	-	65.5	42.1	4%	5%	6%	0.0%	0.0%	0.0%
boohoo.com	330.00	45.4	30.8	24.5	4.4	3.1	2.4	-	58.9	47.1	10%	10%	10%	0.0%	0.0%	0.0%
Zalando	47.71	27.8	24.0	19.7	1.7	1.5	1.3	-	-	69.0	6%	6%	6%	0.0%	0.0%	0.0%
Median		27.8	24.0	19.7	1.7	1.5	1.3	-	62.2	47.1	6%	6%	6%	0.0%	0.0%	0.0%
Retail																
Dino	165.60	23.6	17.9	13.8	2.2	1.7	1.3	40.2	29.7	22.3	9%	9%	10%	0.0%	0.0%	0.0%
Eurocash	20.02	7.4	7.0	6.6	0.1	0.1	0.1	67.9	40.4	28.1	2%	2%	2%	5.1%	3.0%	3.8%
Jeronimo Martins	16.49	10.2	9.0	8.4	0.6	0.5	0.5	19.5	19.2	18.0	6%	6%	6%	2.1%	1.9%	2.1%
Carrefour	15.71	5.1	4.7	4.3	0.2	0.2	0.2	13.4	12.0	10.9	5%	5%	5%	3.2%	3.6%	3.9%
AXFood	193.00	10.4	9.9	9.7	0.9	0.9	0.8	24.2	23.3	22.8	9%	9%	9%	3.6%	3.6%	3.7%
Tesco	256.60	8.1	5.6	5.5	0.4	0.4	0.4	18.1	15.1	14.0	5%	8%	8%	0.0%	0.0%	0.0%
Ahold	22.54	6.3	6.3	6.2	0.5	0.5	0.5	13.8	13.0	12.5	8%	8%	8%	3.3%	3.5%	3.8%
X 5 Retail	2187.00	5.9	5.3	5.6	0.7	0.6	0.6	24.3	15.5	12.3	12%	12%	11%	4.7%	5.7%	6.6%
Magnit	3760.00	5.9	5.2	5.4	0.6	0.6	0.5	33.8	13.9	11.4	11%	11%	10%	6.1%	6.1%	7.8%
Sonae	0.84	8.5	8.0	6.5	0.7	0.7	0.7	11.4	10.0	9.9	9%	9%	10%	5.5%	5.8%	5.8%
Median		7.7	6.6	6.3	0.6	0.6	0.5	21.8	15.3	13.3	9%	8%	8%	3.5%	3.6%	3.8%

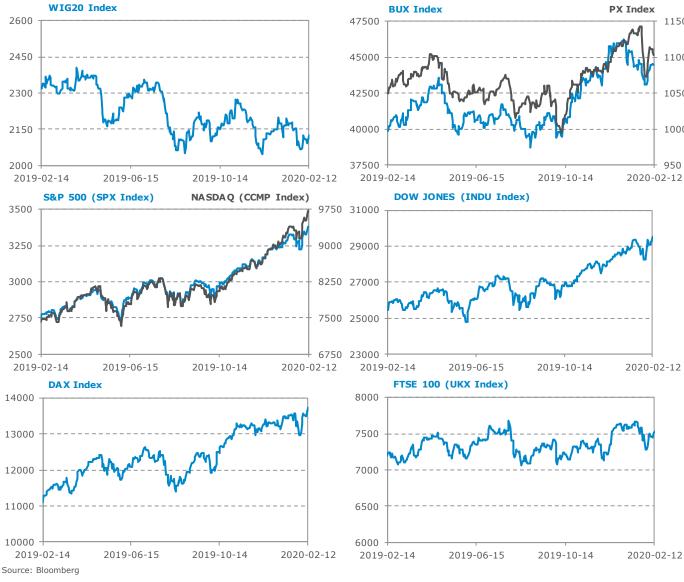
Source: mBank (stocks marked with bold), Bloomberg

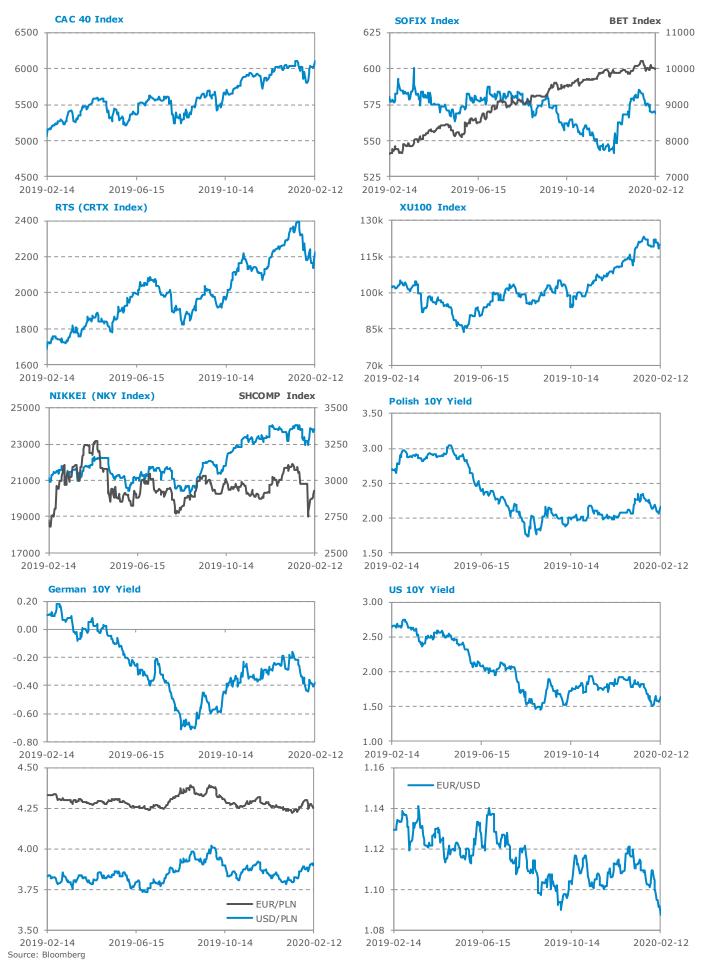




### **Global Market Overview**

Index	Date	Open	Maximum	Minimum	Close	Change
DJIA	2020-02-12	29,406.75	29,568.57	29,406.75	29,551.42	+0.94%
S&P 500	2020-02-12	3,370.50	3,381.47	3,369.72	3,379.45	+0.65%
NASDAQ	2020-02-12	9,688.60	9,728.77	9,666.69	9,725.96	+0.90%
DAX	2020-02-12	13,671.15	13,758.70	13,658.15	13,749.78	+0.89%
CAC 40	2020-02-12	6,064.25	6,104.73	6,062.97	6,104.73	+0.83%
FTSE 100	2020-02-12	7,499.44	7,547.65	7,499.01	7,534.37	+0.47%
WIG20	2020-02-12	2,120.01	2,132.78	2,115.92	2,126.31	+0.90%
BUX	2020-02-12	44,571.25	44,833.61	44,416.83	44,482.40	-0.17%
ΡX	2020-02-12	1,107.39	1,111.81	1,102.94	1,102.94	-0.38%
RTS	2020-02-12	2,197.31	2,223.59	2,197.28	2,222.41	+1.31%
SOFIX	2020-02-12	570.67	572.95	568.67	568.67	-0.35%
BET	2020-02-12	10,006.05	10,063.10	9,986.19	10,000.18	-0.06%
XU100	2020-02-12	119,940.00	121,369.80	119,229.20	120,048.70	+0.21%
BETELES	2020-02-12	132.57	133.98	132.30	133.95	+1.25%
NIKKEI	2020-02-12	23,741.21	23,869.73	23,693.72	23,861.21	+0.74%
SHCOMP	2020-02-12	2,895.56	2,926.90	2,892.42	2,926.90	+0.87%
Copper (LME)	2020-02-12	5,740.00	5,783.00	5,720.00	5,764.00	+0.33%
Crude Oil (Brent)	2020-02-12	54.41	56.23	54.39	56.20	+4.02%
USD/PLN	2020-02-12	3.8994	3.9137	3.8949	3.9102	+0.28%
EUR/PLN	2020-02-12	4.2565	4.2614	4.2491	4.2518	-0.11%
EUR/USD	2020-02-12	1.0916	1.0926	1.0865	1.0874	-0.38%
USBonds10	2020-02-12	1.6040	1.6368	1.5954	1.6333	+0.0327
GRBonds10	2020-02-12	-0.3800	-0.3560	-0.3850	-0.3780	+0.0130
PLBonds10	2020-02-12	2.1350	2.1650	2.1350	2.1630	+0.0450







List of abbreviations and ratios contained in the report: 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 EBITJEV - operating profit to economic value P/E - (Price/Barnings) - 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

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