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Morning Comments

Equity Market, Poland

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DJIA	26,252.2	+0.19% FTSE 100	7,128.2	-1.05% Copper (LME)	5,683.0	-0.85%
S&P 500	2,923.0	-0.05% WIG20	2,108.1	+0.10% Crude Oil (Brent)	59.62	-1.13%
NASDAQ	7,991.4	-0.36% BUX	39,394.7	-0.64% USD/PLN	3.9325	+0.26%
DAX	11,747.0	-0.47% PX	1,042.3	+0.42% EUR/PLN	4.3568	+0.21%
CAC 40	5,388.3	-0.87% PLBonds10	2.035	+0.082 EUR/USD	1.1080	-0.05%

Company & Sector News

Handlowy Highlights from Q2 earnings conference Accumulate - 2019-07-03 There were two extraordinary items regarding CoR in corporate loans portfolio, which sum up to Target price: PLN 59.45 PLN 69m gross. Additionally slightly increase of CoR in retail segment can be partially explained by seasonality (lower effectiveness of debt collection in Q2 due to Easter) and higher volumes. Redemption of bonds by two corporate clients was responsible for decrease in corporate loans portfolio. Selling insurance intermediary (Bimmer) won't negatively affect commission income. What is more it is still possible that a few millions PLN from the transaction will be reported in upcoming quarters. Valuation of bonds portfolio went in satisfying direction, however purchases were financed through loans on interbank market, which negatively affected NIM. Without extraordinary events, Handlowy would show decent numbers, however We still believe there is space for minor negative adjustments in FY consensus. Steel producers / Sunningwell placed a bid for ISD Czestochowa Polish banks According to Puls Biznesu, Sunningwell confirmed that it placed a bid for troubled steel producer ISD Czestochowa. According to press, 4 other companies are interested in taking over steel producer. This is potentially positive information for Pekao and PKO BP which are rumored to have exposure to troubled company. The current exposure of specific banks to ISD Częstochowa is unknown, however its net debt at the end of 2017 came in at PLN 258m. (M. Konarski, M. Lemańczyk) Insider buying Asseco SEE Mini Invest, associated with Miljan Malis (Asseco SEE board member) purchased 6200 shares of ASE for the total of PLN 109,7k which implies average price for one share at PLN 17.70. (P. Szpigiel) Tarczyński submitted a conditional offer to purchase an organized part of the Neutral - 2019-05-29 enterprise Zakłady Miesnych Henryk Kania Tarczyński announced that he is initially interested in taking over the assets of the restructured company ZM Henryk Kania in a situation where the ongoing restructuring proceedings will not lead to a better solution aimed at satisfying its stakeholders, mainly its employees and creditors. There is no detail in the announcement in which Kania's part Tarczyński is interested. Both companies have high exposure to similar customers (including Lidl and Biedronka), which will facilitate integration between plants. In addition, the ZM Kania plant is located in the south-central part of Poland, which would allow Tarczyński to expand into the eastern and northern regions of the country. According to our estimates, at the end of 2019 Tarczyński will be indebted 2.4x EBITDA. Perhaps the transaction will require external financing. (J. Szkopek) **PKP Cargo** 2019 Q2 earnings conference highlights • In Q2'19 results, PKP Cargo recognized the effect of compensation for higher electricity prices in the amount of PLN 34.9m. The financial settlements with the electricity suppliers should be made in the second half of FY2019. • The Company maintained EBITDA guidance for FY2019 at PLN 1,152.8m (incl. IFRS16 impact of ca. PLN 118m). The forecast was prepared assuming fulfillment of all signed contracts. Considering a slowdown in the freight, we point that some of the agreements may not to be executed at the 100% in FY2019 (usually the contracts are signed for a range of freight volume). · Current CAPEX is in line with market demand, and for now the Company does not expect to restrain it.

The Board hopes for a rebound in the freight of hard coal and construction materials in Q4'19. Moreover, in at least next 3 years, the freight of aggregates and construction materials should be thriving and be fueled by scheduled investments by GDDKiA's and under the National Railway Program. (P. Poniatowski)

Overweight - 2019-04-11

Tarczyński



Quarterly Earnings Results

JSW

Accumulate – 2019-07-03 Target price: PLN 50.02

Results beats highest estimates in consensus

- The revenues in Q2'19 were 11% higher we estimated and in line with consensus. The highest surprise to our forecast on revenues site was on coking sales volume (we believed the inventories of coking coal will rise in Q2'19 while they dropped and thermal coal stocks increased) and a bit higher coke prices.
- The EBITDA in Q2'19 was 39% higher we expected and 23% higher than consensus. There were several reasons for EBITDA beat in Q2'19 but the highest portion was due to staff bonus accounting. The company booked in Q2'19 PLN 136m bonus for staff and further PLN 27m will be booked in Q3'19. We and the market expected the whole portion of bonus will be booked in Q3'19. Worth to mention the EBITDA beat even the higher market forecast, even if we adjust the number by lower bonus accounting. The Adjusted EBITDA in Q2'19 was PLN 586m and it was 22% higher we estimated.
- The **Mining Cash Cost** in Q2'19 was **465 PLN/t** (+11% y/y and +3% vs. our forecast), but if we **adjust it by staff bonus it equals 426 PLN/t** and is **lower than in Q1'19 by 1%**. The y/y increase in Mining costs were mostly due to higher methane drainage services costs, higher exploration costs, higher services costs, and higher mining drilling costs. One of the reason for y/y increase was higher electricity costs. Including the bonus payment the mining cost were mostly in line with our forecasts.
- The Coke Conversion Cost in Q2'19 was 174.9 PLN/t (+14% y/y and +3% vs. our forecast). The main reason for y/y increase was higher staff costs, higher coal transport costs, electricity and services costs.
- The **coal inventory** increased in Q2'19 by 300 ths tones q/q, but it is worth to mention the increase was mostly in thermal coal (+380 ths tones), while coking coal stocks decreased by 70 ths tones during the quarter. The coke inventories increased by 120 ths tones, but it was mainly due fact that one sea shipment went out from port in the beginning of July. The inventory level on coking coal surprises positively, because **it seems the company does not have many problems with selling its products amid steel market slowdown**.
- The **OCF** in Q2'19 was PLN 210m vs. PLN 1166m in Q2'18. This was mainly due to working capital increase by about PLN 250m during the quarter. The net debt at the end of quarter was PLN -2.5bn (21 PLN/share net cash). The **net debt** increased during quarter by PLN 550m, mainly due to capex program and PBSz purchase. The Capex in H1'19 was PLN 1.35bn (PLN 1.18bn excluding PBSz purchase). The full year Capex will probably reach PLN 2.0bn (market expected PLN 1.8-2.0bn).
- We believe the market will react positively on Q2'19 results. The Company beat the highest estimates in consensus. The bonus adjusted Mining Cash Cost drops in Q2'19 by 1% q/q, and by higher output expected in H2'19 we believe it could surprise positively. The stocks rise only in regards to thermal coal, cooking coal inventories fall in q/q basis. Today is last day to buy JSW shares with PLN 1.71 DPS (5% DYield). Also Deputy Energy Minister informed today that Company should focus only on output increase which could mean the will be no cash drainage from the company. (J. Szkopek)

2019 Q2 actuals vs. expectations

(PLN m)	Q2′19	Q2′18	change	Q2′19E	differ.	consensus	differ.	2019E	2018	change	YTD
Revenues	2,208.8	2,422.9	-8.8%	1,997.2	10.6%	2,213.1	-0.2%	9,594.3	9,809.5	-2.2%	49.0%
EBITDA adj.	586.3	946.5	-38.1%	481.7	21.7%	n/a	n/a	2,175.9	2,254.1	-3.5%	61.0%
EBITDA	442.3	631.3	-29.9%	318.3	38.9%	360.9	22.6%	2,175.9	3,020.1	-28.0%	53.8%
EBITDA margin	20.0%	26.1%	-	15.9%		16.3%		22.7%	30.8%		
EBIT	188.2	446.0	-57.8%	118.3	59.0%	146.1	28.8%	1,305.8	2,254.1	-42.1%	53.3%
Net income	133.3	324.1	-58.9%	92.8	43.6%	110.5	20.6%	1,046.8	1,737.1	-39.7%	51.2%

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

Dom Development

Hold - 2019-07-03 Target price: PLN 79.80 Q2'19: Strong financial results; (1) Results significantly above our estimates (+51%) and market expectations on net profit (+153%) due to higher-thanexpected average value of apartment handed over and strong improvement of developer's margin. (2) Results lower year-on-year due to lower homes handed over

- Although nominally Dom Development reported lower financial results year-on-year basis due to lower handovers (vs. a high base in Q2'18), al-in-all financial results was very strong beating market expectations by 153% on net profit due to higher-than-expected average value of apartment handed over and better developer's margin. The figure came also 51% above our forecasts. We expects positive market reaction do company's Q2'19 financial results today.
- In Q2'19 revenues totaled PLN 238.7m, down 45% y/y because of lower volume of housing deliveries compared to a high base in the same period year before (440 homes vs. 1,025 in Q2'18). The most impact on figures came from projects in Warsaw: Forma (118 units), Wilno (79 units) and Premium (45 units) as well as in TriCity: Idea (31 units) and Beauforta (26). The reported revenues came 2.3% above our expectations and 15.3% above PAP consensus (a range of PLN 191-233m). In all, in the first half of the year 2019 DOM handed over 1,655 units (+15% y/y), delivering 47% of our full-year forecasts.
- The average value of handed over apartment amounted to a high PLN 542k, up by 28% y/y and by 25% q/q. In particular, we see the quarter-to-quarter increase as a positive news taking into account to a some extent a similar portfolio of completed flats (no new completed projects) and which we attribute to strong market housing prices inflation. The figures was also above our forecasts of PLN 530k per units.
- **Gross profit was at PLN 79.4m** (-33% y/y) due to lower top line. Developer's margin increased significantly to a high 33.3% from 27.1% in Q2'18 (the highest margin since Q3'11) and 27.4% in Q1'19 and was better-than-expected margin (of 29.1%).
- EBIT came in at PLN 38.2m (-48% y/y). SG&A costs decreased by 12.8% y/y mainly due to lower salaries costs and stock option program and was 9% below our estimates. Company reported negative impact on net other operating activity of PLN -4.2m (vs. PLN -1.1.m in Q1'18). Together with higher-than-expected average value of home handed over and better margin translates into a beating our estimates by 51.5% and market consensus by 145%.
- The result on net financial activities was PLN +0.3m, close to our expectations.
- As a result **net profit was 51% above our estimates and +153% above consensus** (a range of PLN 3.2-20.6m).
- Net debt increased by PLN 93m during Q2, ending the quarter with net debt position of PLN 187m compared to net cash of PLN 184m in Q2'18, implying a net-debt-to-equity-ratio at 20% (vs. 8% at the end of Q1'19). It was a result of dividend payment in the amount of PLN 227m (probably a payments for acquisition of new land plot is another reason of that). The increase of ND/E ratio is expected and in line with management's announcements.
- The earnings conference is today at 12:00 a.m. CET at Warsaw's Radisson Hotel.
- To sum up, Dom Development presented very good financial results with strong margins. After the first half of the year our full-year forecast is delivered in 52% on net profit. Taking into account company's completions pipeline for 2019 we expects more or less similar results in Q3 to the results in Q2'19 and strong Q4'19. The company is on course to meet our FY19 forecasts. If there are no delays of completion housing investments Dom may exceed our FY2019 forecasts of PLN 222m and FY2018 results despite of assumption of 3% drop of volume of handovers. On our forecasts Dom trades at 2019E P/E of 8.7x. (A. Szklarczyk)

2019 Q2 actuals vs. expectations

(PLN m)	Q2'19	Q2'18	change	Q2'19E	change	consens.	change	2019E	YTD
Revenues	238.7	435.7	-45.2%	233.3	2.3%	207.0	15.3%	1,688.0	45%
Gross profit	79.4	118.1	-32.8%	67.8	17.0%			446.4	50%
margin	33.3%	27.1%	-	29.1%	-			26.4%	
SG&A costs	-37.0	-42.4	-	-40.6	-			-164.0	
Net other operating activity	-4.2	-2.9	-	-2.0	-			-5.4	
EBIT	38.2	72.8	-47.6%	25.2	51.5%	15.6	144.9%	277.1	52%
margin	16.0%	16.7%	-	10.8%	-			16.4%	
Net financial results	0.3	0.0	-	0.2	-			-1.8	
Profit before tax	38.4	72.8	-47.2%	25.4	51.4%			275.3	52%
Net profit	31.1	58.8	-47.2%	20.6	51.0%	12.3	153.1%	222.4	52%
margin	13.0%	13.5%	-	8.8%	-			13.2%	

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



More News	
Aplisens	Listed industrials firm Aplisens expects its 2019 revenues to approach PLN 120 mln, CEO Artu Zurawski told reporters.
GTC	Listed real estate developer GTC is mulling a PLN 220 mln bond issue as one option to refinance the current debt, CFO Erez Boniel told a news conference.
Mostostal Zabrze	Listed builder Mostostal Zabrze expects its 2019 earnings to roughly mach those reported last year, but sales are expected to be higher, CEO dariusz Pietuszyk told a news conference.
PGNiG	PGNiG saw the State Treasury appoint Roman Gabrowski to the company's supervisory board, effective as of August 22, PGNiG said in a filing. Gabrowski served as CEO of power group Tauron's renewables unit Tauron Ekoenergia until June 2019.
	PGNiG plans to conduct 15 drillings in Poland to end-2019, CEO Piotr Wozniak told a conference. To end-June, the company performed 16 drillings, 9 of which confirmed the positive deposit potential, mostly with reference to gas, he added.
	PGNiG has placed "high hopes" in at least one of the drillings currently conducted in Pakistan, i.e. Rehman-5 and Rehman-6, and hopes to strengthen its position in the country even more once the promised Baron concession, seen as very productive, is received and established, CEO Piotr Wozniak said of foreign upstream ops. In Norway, PGNiG launches its first drilling as an operator on August 28, on the Shrek prospect, CEO also said.
Torpol	Listed builder Torpol in consortium had its PLN 178.8 mln net consortial bid in a tender by Elektrownia Ostroleka C picked as best again after the investor was obliged by the court to reassess the bids submitted, Torpol said in a market filing.

Corporate Action Calendar

Date	Time	Company	Event
23-Aug	10:00	Radpol	Q2'19 earnings conference (ADN, Jana Pawła II 25, Room E, Warsaw)
23-Aug	12:00	Dom Development	Q2'19 earnings announcement and conference (Westin Radisson, Warsaw)
23-Aug	12:00	JSW	Q2'19 earnings conference (GPW, ul. Książęca 4, Warsaw)
23-Aug		Budimex	Q2'19 earnings announcement
26-Aug		Asseco Poland	Q2'19 earnings announcement
26-Aug		Play	Q2'19 earnings announcement
27-Aug		11 bit studios	Q2'19 earnings announcement
27-Aug		Wirtualna Polska	Q2'19 earnings announcement
28-Aug		AmRest	Q2'19 earnings announcement
28-Aug		Eurocash	Q2'19 earnings announcement
28-Aug		Lokum	Q2'19 earnings announcement
28-Aug		Neuca	Q2'19 earnings announcement
28-Aug		VRG	Q2'19 earnings announcement
29-Aug		BNP Paribas	Q2'19 earnings announcement
29-Aug		CD Projekt	Q2'19 earnings announcement
29-Aug		Cyfrowy Polsat	Q2'19 earnings announcement
29-Aug		JWC	Q2'19 earnings announcement
29-Aug		PZU	Q2'19 earnings announcement
29-Aug		Stelmet	Q3'19 earnings announcement
29-Aug		Trakcja	Q2'19 earnings announcement
29-Aug		Unibep	Q2'19 earnings announcement
30-Aug		Capital Park	Q2'19 earnings announcement
30-Aug		Comarch	Q2'19 earnings announcement
30-Aug		Pozbud	Q2'19 earnings announcement

Economic Calendar

Time	7, 23 Augus Region	Data	Period	Forecast	Previous
	5			FUIECast	
01:30	Japan	Core CPI	July		0.00% m/m; 0.50% y/y
01:30	Japan	CPI	July		0.70% y/y
14:00	Poland	M3 Money Supply	July		-0.20% m/m; 9.30% y/y
16:00	USA	New Home Sales	July		646 000
16:30	USA	Natural Gas Inventory	July		2569bn
Monda	ay, 26 Augı	ıst 2019			
Time	Region	Data	Period	Forecast	Previous
07:00	Japan	Leading Indicators Index (F)	June		94.90
10:00	Germany	IFO Business Climate	August		95.70
	Poland	Unemployment Rate	July		5.30%
Tuesd	ay, 27 Aug	ust 2019			
Time	Region	Data	Period	Forecast	Previous
08:45	France	Consumer Confidence Index	August		102
15:00	USA	House Price Index	June		0.10% m/m; 1.15% q/q
16:00	USA	Richmond Fed Index	August		-12
Wedne	esday, 28 A	August 2019			
Time	Region	Data	Period	Forecast	Previous
10:00	EU	M3 Money Supply	July		4.50% y/y
Thurse	day, 29 Aug	gust 2019			
Time	Region	Data	Period	Forecast	Previous
07:00	Japan	Industrial Production (P)	July		-3.30% m/m; -3.80% y/y
08:00	Germany	Import Price Index	July		-1.40% m/m; -2.00% y/y
14:30	USA	GDP Deflator	Q2		0.90% q/q
14:30	USA	GDP	Q2		3.10% q/q; 3.20% y/y
14:30	USA	PCE	Q2		0.90% q/q; 2.70% y/y
14:30	USA	Core PCE	Q2		1.70% y/y



Current Recommendations by Dom Maklerski mBanku

Company	Recommendation	Issued On	Price At	Target	Current	Upside/	P/1	E	EV/EBI	TDA
Company	Recommendation	issued Off	Reco.	Price	Price	Downside	2019	2020	2019	2020
Financial Sector						+22.7%	10.2	9.7		
Alior Bank	buy	2019-07-03	51.10	72.30	42.16	+71.5%	7.6	5.9		
Handlowy	accumulate	2019-07-03	53.60	59.45	51.60	+15.2%	13.0	10.7		
ING BSK	hold	2019-08-02	189.80	191.80	190.00	+0.9%	14.9	13.3		
Millennium	buy	2019-08-02	7.51	10.00	7.15	+39.9%	11.8	8.5		
Pekao	buy	2019-08-02	99.88	119.75	97.54	+22.8%	11.2	9.8		
PKO BP	buy	2019-08-02	39.34	47.17	40.10	+17.6%	11.4	11.0		
Santander Bank Polska	hold	2019-08-02	319.60	337.00	307.40	+9.6%	13.3	11.0		
Komercni Banka	accumulate	2019-08-02	872.00	1,000 CZK	815.00	+22.7%	10.2	9.8		
Erste Bank	buy	2019-02-04	31.00	43.72 EUR	30.52	+43.3%	8.7	8.2		
OTP Bank	hold	2019-08-02	12,080	13,046 HUF	12,340	+5.7%	10.2	9.7		
PZU	hold	2019-07-03	44.35	43.38	37.22	+16.6%	9.9	9.4		
Kruk	buy	2019-04-02	152.30	213.65	167.40	+27.6%	9.4	9.2		
Skarbiec Holding	buy	2019-06-03	16.50	28.17	16.95	+66.2%	5.8	5.0		
Chemicals						+22.5%	6.8	12.0	4.6	6.0
Ciech	hold	2019-07-03	41.60	41.72	34.60	+20.6%	6.8	7.2	4.8	4.8
Grupa Azoty	hold	2019-08-02	42.30	45.93	37.20	+23.5%	6.7	16.9	4.4	7.1
Oil & Gas						+14.5%	10.8	9.5	4.7	4.7
Lotos	sell	2019-08-02	88.66	72.31	79.72	-9.3%	12.1	11.2	6.3	5.3
MOL	accumulate	2019-08-02	3,004	3,258 HUF	2,844	+14.6%	10.3	9.0	4.3	4.1
PGNiG	accumulate	2019-08-02	5.62	6.33	4.70	+34.8%	11.3	7.8	4.4	3.4
PKN Orlen	hold	2019-08-01	97.36	92.82	89.50	+3.7%	8.5	10.0	5.1	5.3
Power Utilities						+41.6%	3.8	4.2	3.7	3.6
CEZ	accumulate	2019-06-25	544.00	597.80 CZK	516.50	+15.7%	15.4	13.4	7.4	6.9
Enea	buy	2019-06-25	8.53	12.41	8.13	+52.6%	3.0	2.8	3.1	2.9
Energa	buy	2019-06-25	7.33	12.67	6.68	+89.8%	3.8	4.2	3.7	4.1
PGE	buy	2019-06-25	9.00	13.26	7.36	+80.1%	4.5	5.1	3.0	3.1
Tauron	buy	2019-06-25	1.57	2.52	1.46	+72.5%	2.3	2.2	4.0	3.6
Telecoms, Media, IT				4.70		+2.6%	18.9	15.3	6.1	5.8
Netia	hold	2018-11-26	4.66	4.70	4.57	+2.8%	30.7	25.4	5.3	5.3
Orange Polska	accumulate	2019-08-02	6.70	7.50	6.04	+24.3%	39.0	24.5	4.8	4.6
Play	accumulate	2019-08-02	31.22	34.20	31.06	+10.1%	9.0	8.2	6.1	6.0
Agora	buy	2018-11-27	9.50	16.00	11.35	+41.0%	37.7	20.0	5.2	4.8
Cyfrowy Polsat	reduce	2019-05-31	26.00	24.15	28.48	-15.2%	14.9	12.7	7.1	6.9
Wirtualna Polska	hold	2019-07-03	61.20	61.50	60.20	+2.2%	18.9	16.1	10.0	8.9
Asseco Poland	hold	2019-06-03	51.10	50.80	55.70	-8.8%	14.9	14.5	4.8	4.4
Comarch	buy	2019-07-25	178.50	231.00	171.00	+35.1%	14.8	13.4	6.2	5.6
11 bit studios	buy	2019-05-20	398.00	518.00	402.00	+28.9%	26.9	38.4	18.9	23.4
CD Projekt	accumulate	2019-05-09	215.00	237.50	239.40	-0.8%	-	11.7	-	8.7
Industrials, Mining Cognor	hold	2019-07-25	1.75	1.84	1.66	+16.4% -5.4%	6.5 7.8	9.5 10.7	4.9 4.9	4.8 5.1
Famur	buy	2019-07-23	4.42	5.33	3.96	+34.6%	5.0	9.1	4.9	4.8
Grupa Kęty	hold	2019-08-07	337.00	345.32	308.00	+12.1%	11.9	11.3	8.4	4.8 8.1
JSW	accumulate	2019-07-03	47.00	50.02	32.34	+54.7%	3.6	9.5	0.5	1.1
Kernel	reduce	2019-07-03	47.00	42.70	32.34 44.50	-4.0%	4.6	9.5 8.4	5.1	5.8
KGHM	hold	2019-08-19	74.90	77.51	74.78	+3.7%	4.6 6.5	8.4 9.2	3.7	5.8 4.3
Stelmet	hold	2019-08-22	7.00	7.95	6.10	+30.3%	9.0	9.2	4.9	4.5
Property Developers	HOIQ	2019-07-03	7.00	7.95	0.10	+14.4%	7.9	7.6	7.3	7.1
Atal	accumulate	2019-07-03	36.60	41.89	32.70	+28.1%		7.3		7.0
Dom Development	hold	2019-07-03	77.40	79.80	77.20	+28.1%	7.0 8.7	7.8	6.7 7.8	7.0
Retail		2013-07-03	//.40	79.00	//.20	+3.4%	35.2	20.1	9.1	8.3
AmRest	buy	2019-04-02	41.20	48.00	39.70	+20.9%	37.3	27.3	12.8	10.2
CCC	hold	2019-04-02	153.80	161.00	130.70	+20.9%	48.8	27.3	6.8	5.3
Dino	sell	2019-08-08	135.90	111.20	149.60	-25.7%	40.0 38.4	20.1	21.8	5.5 17.1
	hold	2019-08-13		111.20				29.3 24.9		6.7
Eurocash	hold		18.60		18.20	-0.5%	35.2		7.6	
Jeronimo Martins LPP	accumulate	2019-05-09	13.89	14.30 EUR	14.67 7,130.00	-2.5%	20.8	18.7 17.6	9.1 9.8	8.3 8.8
		2019-07-03	7,745.00	8,500.00		+19.2%	19.5			
VRG	buy	2019-07-26	4.20	5.20	4.28	+21.5%	13.6	11.8	8.5	7.2

Current Calls by Dom Maklerski mBanku

Compone.	Relative	Rated On	Price At	Current	Change	P/E	1	EV/EBITDA		
Company	Positioning	Rated On	Rating	Price	Change	2019	2020	2019	2020	
IT						11.4	10.7	4.9	4.6	
Ailleron	neutral	2019-06-28	8.40	7.60	-9.5%	9.8	8.9	3.4	2.5	
Asseco BS	neutral	2019-03-29	29.50	26.60	-9.8%	13.5	12.5	9.0	8.4	
Asseco SEE	overweight	2019-04-11	14.20	17.90	+26.1%	13.1	12.5	5.4	5.0	
Atende	neutral	2019-01-31	4.40	3.66	-16.8%	9.2	8.6	4.4	4.3	
Industrials						9.2	9.3	6.0	6.0	
AC	neutral	2019-03-22	48.50	46.00	-5.2%	10.2	9.2	7.0	6.4	
Alumetal	underweight	2019-05-29	51.00	35.60	-30.2%	8.7	9.5	6.7	7.0	
Amica	neutral	2019-04-29	130.00	108.20	-16.8%	7.1	6.8	4.7	4.4	
Apator	neutral	2019-04-29	25.80	23.00	-10.9%	10.9	10.7	7.0	6.8	
Boryszew	underweight	2019-07-26	4.49	4.49	+0.0%	10.0	9.3	7.6	7.4	
Ergis	neutral	2019-05-29	3.00	2.45	-18.3%	6.6	7.3	4.8	4.8	
Forte	neutral	2019-04-29	40.60	25.00	-38.4%	12.5	10.9	8.5	7.9	
Impexmetal	underweight	2019-04-25	4.16	4.22	+1.4%	5.6	5.8	5.9	5.7	
Kruszwica	neutral	2019-04-02	43.90	42.80	-2.5%	10.2	9.3	5.4	5.0	
Mangata	neutral	2019-05-29	69.50	68.00	-2.2%	9.1	10.4	6.2	6.7	
Pfleiderer Group	underweight	2019-07-29	28.00	25.90	-7.5%	52.9	25.0	7.0	6.5	
Pozbud	overweight	2019-04-29	2.37	2.25	-5.1%	2.7	2.9	2.5	2.0	
Tarczyński	neutral	2019-05-29	15.40	16.40	+6.5%	7.1	6.0	5.0	4.6	
TIM	overweight	2019-04-29	7.90	8.14	+3.0%	9.3	8.2	5.6	5.0	
Retail						9.5	9.4	4.6	3.8	
Monnari	neutral	2019-07-17	4.66	4.80	+3.0%	9.5	9.4	4.6	3.8	



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	42.16	7.6	5.9	5.1	10%	12%	12%	0.8	0.7	0.6	0.0%	0.0%	0.0%
Handlowy	51.60	13.0	10.7	10.0	7%	9%	9%	1.0	0.9	0.9	7.2%	8.2%	7.0%
ING BSK	190.00	14.9	13.3	12.0	12%	13%	13%	1.8	1.7	1.5	1.8%	2.0%	2.3%
Millennium	7.15	11.8	8.5	7.6	8%	11%	11%	1.0	0.9	0.8	0.0%	0.0%	0.0%
Pekao	97.54	11.2	9.8	9.2	10%	11%	11%	1.1	1.1	1.0	6.8%	6.7%	7.6%
РКО ВР	40.10	11.4	11.0	10.4	11%	11%	11%	1.2	1.2	1.1	3.3%	7.7%	9.4%
Santander BP	307.40	13.3	11.0	10.1	9%	11%	11%	1.2	1.2	1.1	6.4%	3.7%	4.6%
Median		11.8	10.7	10.0	10%	11%	11%	1.1	1.1	1.0	3.3%	3.7%	4.6%
Investors in Polish ba													
BCP	0.208	7.2	6.1	5.0	8%	9%	10%	0.5	0.5	0.5	2.4%	5.3%	6.3%
Citigroup	63.910	8.4	7.4	6.8	10%	10%	10%	0.8	0.7	0.7	3.1%	3.6%	4.1%
Commerzbank	5.044	6.7	5.2	4.7	3%	4%	4%	0.2	0.2	0.2	4.6%	6.0%	7.0%
ING	8.576	6.5	6.3	6.0	10%	10%	10%	0.6	0.6	0.6	8.1%	8.3%	8.7%
UCI	9.755	5.2	5.0	4.7	8%	8%	7%	0.4	0.4	0.3	5.9%	7.7%	9.2%
Median		6.7	6.1	5.0	8%	9%	10%	0.5	0.5	0.5	4.6%	6.0%	7.0%
Foreign banks													
Erste Bank	30.52	8.7	8.2	-	10%	10%	-	0.8	0.8	-	4.6%	4.8%	-
Komercni Banka	815.00	10.2	9.8	-	14%	14%	-	1.4	1.3	-	6.4%	6.4%	-
ОТР	12,340	10.2	9.7	-	16%	14%	-	1.5	1.3	-	1.9%	2.4%	-
Akbank	6.75	6.9	4.6	3.7	11%	14%	15%	0.7	0.6	0.5	2.7%	4.4%	6.1%
Alpha Bank	1.57	17.6	9.9	7.2	1%	3%	4%	0.3	0.3	0.3	0.0%	0.5%	0.0%
Banco Santander	3.53	6.9	6.5	6.2	8%	8%	9%	0.6	0.6	0.5	6.5%	6.8%	7.2%
Deutsche Bank	6.45	13.0	9.1	6.7	2%	2%	3%	0.2	0.2	0.2	2.8%	3.9%	4.9%
Eurobank Ergasias	0.72	9.5	6.7	5.5	4%	7%	8%	0.5	0.5	0.4	0.0%	0.0%	0.0%
National Bank of Greece	2.32	16.6	10.5	8.5	2%	4%	5%	0.4	0.4	0.4	0.0%	0.4%	0.0%
Piraeus Bank	2.79	17.4	10.5	7.7	2%	3%	4%	0.2	0.2	0.2	0.0%	1.1%	0.0%
Sberbank	219.50	5.3	4.7	4.2	22%	22%	21%	1.1	1.0	0.9	9.1%	10.6%	12.3%
Turkiye Garanti Bank	8.74	5.4	3.9	3.2	12%	16%	18%	0.7	0.6	0.5	3.9%	5.1%	5.5%
Turkiye Halk Bank	5.44	2.5	2.1	1.6	9%	9%	9%	0.2	0.2	0.2	2.9%	2.1%	2.3%
Turkiye Vakiflar Bankasi	4.39	3.2	2.5	1.8	13%	12%	15%	0.3	0.3	0.3	0.9%	1.0%	1.1%
VTB Bank	0.04	3.9	3.9	3.0	12%	12%	13%	0.4	0.4	0.3	7.8%	7.8%	10.4%
Yapi ve Kredi Bankasi	2.44	5.2	3.8	3.5	10%	13%	12%	0.5	0.4	0.4	0.0%	1.2%	-
Median		7.8	6.6	4.2	10%	11%	9%	0.5	0.4	0.4	2.8%	3.2%	3.6%

Insurance company valuations

			P/E			ROE			P/BV			DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Insurers													
PZU	37.22	9.9	9.4	9.2	22%	23%	23%	2.1	2.1	2.1	8.0%	8.1%	8.5%
Aegon	3.60	5.1	5.0	4.8	8%	7%	8%	0.4	0.3	0.3	8.5%	8.9%	9.4%
Allianz	201.20	10.6	10.0	9.3	13%	12%	13%	1.3	1.2	1.1	4.7%	5.1%	5.4%
Assicurazioni Generali	16.32	10.0	9.7	9.2	11%	11%	11%	1.0	1.0	0.9	5.9%	6.2%	6.6%
Aviva	3.62	5.8	5.7	5.6	13%	13%	14%	0.8	0.8	0.8	8.9%	9.2%	9.4%
AXA	21.58	7.9	7.5	7.3	11%	11%	11%	0.9	0.8	0.8	6.8%	7.1%	7.5%
Baloise	180.80	13.9	12.7	11.7	9%	10%	10%	1.3	1.2	1.2	3.5%	3.8%	4.1%
Helvetia	127.70	12.6	12.1	11.5	11%	10%	12%	1.2	1.1	1.1	3.9%	4.1%	7.1%
Mapfre	2.39	9.0	8.4	8.1	10%	10%	10%	0.9	0.9	0.8	6.5%	6.9%	7.2%
RSA Insurance	5.34	11.7	10.8	10.3	12%	13%	12%	1.4	1.3	1.3	5.2%	5.9%	6.6%
Uniqa	8.26	11.5	10.9	10.0	7%	7%	8%	0.9	0.9	0.8	6.8%	6.9%	7.1%
Vienna Insurance G.	23.35	9.5	8.9	8.3	7%	7%	7%	0.6	0.6	0.6	4.5%	4.8%	5.2%
Zurich Financial	350.30	12.8	11.8	11.2	13%	14%	14%	1.7	1.6	1.5	5.7%	6.0%	6.4%
Median		10.0	9.7	9.2	11%	11%	11%	1.0	1.0	0.9	5.9%	6.2%	7.1%

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Source: Dom Maklerski mBanku (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	79.72	6.3	5.3	4.6	0.6	0.6	0.5	12.1	11.2	10.2	10%	11%	12%	3.8%	2.5%	2.7%
MOL	2844.00	4.3	4.1	3.7	0.6	0.6	0.5	10.3	9.0	7.8	15%	15%	15%	5.0%	5.3%	5.5%
PKN Orlen	89.50	5.1	5.3	5.2	0.4	0.4	0.4	8.5	10.0	10.2	9%	8%	7%	3.9%	3.4%	3.4%
Hellenic Petroleum	9.32	6.2	5.4	5.5	0.5	0.5	0.5	10.9	8.4	8.1	8%	9%	8%	5.3%	5.6%	6.7%
HollyFrontier	45.62	6.0	5.3	5.7	0.6	0.6	0.6	10.1	8.0	8.9	11%	12%	11%	2.9%	3.0%	3.1%
Marathon Petroleum	46.89	6.3	5.0	4.8	0.5	0.5	0.5	9.2	5.7	5.5	8%	10%	11%	4.6%	5.1%	5.7%
Motor Oil	21.26	4.5	4.1	4.3	0.3	0.3	0.3	7.6	7.0	6.8	6%	7%	7%	6.4%	6.8%	7.4%
Neste Oil	29.24	10.6	10.0	9.5	1.4	1.5	1.4	16.8	15.4	14.6	14%	15%	15%	3.0%	3.3%	3.5%
OMV	46.76	3.8	3.5	3.5	0.9	0.9	0.9	8.9	7.8	7.4	24%	26%	26%	4.1%	4.5%	4.8%
Phillips 66	98.46	8.1	6.6	7.0	0.5	0.5	0.6	13.2	9.3	9.9	7%	8%	8%	3.5%	3.7%	4.0%
Saras SpA	1.38	3.2	2.2	3.1	0.1	0.1	0.1	9.0	4.4	7.5	4%	6%	4%	6.2%	10.4%	7.2%
Tupras	134.00	6.5	4.8	4.6	0.4	0.4	0.4	9.3	5.7	5.2	7%	8%	8%	9.1%	15.1%	16.2%
Valero Energy	77.42	6.4	4.8	5.2	0.4	0.3	0.3	11.5	7.0	7.8	6%	7%	7%	4.6%	5.0%	5.3%
Median		6.2	5.0	4.8	0.5	0.5	0.5	10.1	8.0	7.8	8%	9%	8%	4.6%	5.0%	5.3%
Gas companies																
PGNiG	4.70	4.4	3.4	2.8	0.8	0.7	0.6	11.3	7.8	6.5	18%	22%	22%	2.3%	3.5%	5.1%
A2A SpA	1.58	7.2	6.7	6.5	1.4	1.3	1.3	15.5	13.4	13.1	19%	19%	19%	5.0%	5.1%	5.2%
BP	494.45	4.3	4.0	4.1	0.6	0.6	0.6	11.0	9.5	9.2	14%	15%	15%	0.0%	0.0%	0.0%
Centrica	65.12	3.4	3.3	3.2	0.3	0.3	0.3	7.2	5.9	5.6	8%	8%	8%	0.0%	0.0%	0.0%
Enagas	19.92	9.4	9.0	9.7	7.6	7.6	7.9	11.3	10.4	11.1	81%	84%	82%	8.0%	8.4%	8.5%
Endesa	22.97	8.5	8.4	8.2	1.5	1.5	1.4	16.1	15.8	15.4	18%	17%	17%	6.2%	6.3%	5.6%
Engie	13.45	6.2	5.9	5.6	0.9	0.9	0.9	12.8	11.4	10.4	15%	15%	16%	5.8%	6.2%	6.8%
Eni	13.31	3.3	3.1	3.0	0.8	0.8	0.9	10.4	9.3	8.8	24%	26%	28%	6.4%	6.6%	6.8%
Equinor	154.15	2.6	2.3	2.2	1.0	0.9	0.9	9.0	8.0	7.6	37%	38%	40%	0.1%	0.1%	0.1%
Gas Natural SDG	23.47	9.3	8.9	8.7	1.7	1.6	1.5	16.5	15.2	14.6	18%	18%	18%	5.8%	6.1%	6.4%
Gazprom	232.06	3.6	3.5	3.3	1.0	1.0	0.9	5.0	4.6	3.7	27%	28%	28%	5.3%	5.9%	7.4%
Hera SpA	3.51	7.5	7.4	7.3	1.3	1.2	1.2	18.0	17.6	16.9	17%	17%	17%	3.0%	3.1%	3.1%
NovaTek	1280.80	14.1	13.2	13.2	4.8	4.5	4.2	12.2	12.5	11.5	34%	34%	32%	2.1%	2.6%	3.0%
ROMGAZ	33.75	6.1	5.5	5.1	2.8	2.6	2.4	10.2	9.3	8.7	46%	48%	47%	9.3%	9.7%	9.5%
Shell	25.29	3.2	2.9	2.7	0.5	0.5	0.5	10.2	8.9	8.6	16%	17%	18%	8.3%	8.3%	8.4%
Snam SpA	4.51	12.6	12.3	11.9	10.2	10.0	9.7	14.5	14.1	13.5	81%	81%	81%	5.3%	5.6%	5.8%
Total	44.40	4.8	4.5	4.4	0.8	0.9	0.8	10.3	9.2	8.9	18%	19%	19%	6.6%	6.8%	7.0%
Median		6.1	5.5	5.1	1.0	1.0	0.9	11.3	9.5	9.2	18%	19%	19%	5.3%	5.9%	5.8%

Power generation company valuations

		EV	//EBITD	A		EV/S			P/E EBI			EBITDA margin			DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Power generation																
CEZ	516.50	7.4	6.9	6.7	2.1	1.9	1.8	15.4	13.4	13.5	29%	28%	27%	4.6%	5.8%	6.7%
Enea	8.13	3.1	2.9	2.7	0.6	0.6	0.6	3.0	2.8	2.3	20%	19%	22%	0.0%	0.0%	3.6%
Energa	6.68	3.7	4.1	4.3	0.7	0.7	0.8	3.8	4.2	4.2	18%	17%	18%	0.0%	0.0%	0.0%
PGE	7.36	3.0	3.1	2.3	0.6	0.6	0.5	4.5	5.1	3.5	21%	18%	22%	0.0%	5.5%	4.9%
Tauron	1.46	4.0	3.6	3.1	0.7	0.6	0.6	2.3	2.2	1.9	17%	17%	19%	0.0%	0.0%	0.0%
EDF	10.44	4.8	4.4	4.2	1.1	1.1	1.0	14.8	11.2	9.9	23%	24%	25%	3.4%	4.4%	4.7%
EDP	3.37	8.5	8.2	7.9	2.1	2.0	1.8	14.9	13.9	13.3	24%	25%	23%	5.7%	5.8%	6.0%
Endesa	22.97	8.5	8.4	8.2	1.5	1.5	1.4	16.1	15.8	15.4	18%	17%	17%	6.2%	6.3%	5.6%
Enel	6.28	7.1	6.8	6.5	1.6	1.5	1.5	13.5	12.4	11.8	22%	23%	23%	5.2%	5.6%	6.0%
EON	8.11	7.1	5.4	4.8	1.1	0.6	0.5	11.8	11.3	10.6	16%	11%	10%	5.7%	6.1%	6.6%
Fortum	20.32	14.2	13.1	12.6	4.3	4.2	4.1	16.1	13.9	12.7	30%	32%	32%	5.4%	5.4%	5.4%
Iberdola	9.31	10.4	9.7	9.1	2.8	2.6	2.5	18.2	16.8	15.8	27%	27%	28%	3.9%	4.2%	4.5%
National Grid	847.80	11.1	10.6	10.1	3.6	3.5	3.4	14.6	14.6	13.7	32%	33%	34%	0.0%	0.0%	0.0%
Red Electrica	17.50	9.1	9.2	9.3	7.1	7.1	7.2	13.0	13.5	13.9	78%	78%	77%	6.0%	6.1%	6.0%
RWE	25.40	15.4	8.0	6.8	1.8	1.6	1.5	24.3	14.4	10.8	12%	20%	22%	3.2%	3.7%	4.2%
SSE	1095.50	10.4	9.0	8.3	0.7	0.7	0.7	16.3	11.5	10.2	7%	8%	8%	0.0%	0.0%	0.0%
Verbund	54.25	10.2	8.3	7.8	3.7	3.3	3.2	35.1	26.5	24.8	36%	40%	41%	1.2%	1.7%	2.0%
Median		8.5	8.0	6.8	1.6	1.5	1.5	14.8	13.4	11.8	22%	23%	23%	3.4%	4.4%	4.7%

Source: Dom Maklerski mBanku (stocks marked with bold), Bloomberg



Fertilizer producers and chemical companies

		EV	/EBITD	4		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
Fertilizer producers																
Grupa Azoty	37.20	4.4	7.1	8.2	0.6	0.6	0.7	6.7	16.9	17.0	13%	9%	9%	0.0%	0.0%	1.8%
Acron	4682.00	6.7	6.5	6.2	2.2	2.1	2.0	9.3	8.9	8.2	33%	32%	32%	7.0%	7.2%	8.5%
CF Industries	48.54	10.4	9.3	8.9	3.7	3.5	3.5	24.3	17.9	15.4	35%	38%	39%	2.5%	2.5%	2.5%
Israel Chemicals	1647.00	6.9	6.6	6.4	1.5	1.4	1.3	12.0	10.9	10.5	21%	21%	21%	0.0%	0.0%	0.0%
K+S	14.25	7.7	6.7	6.2	1.5	1.4	1.4	11.8	9.0	7.6	19%	21%	22%	3.1%	4.2%	4.9%
Phosagro	2427.00	5.8	5.5	5.3	1.8	1.7	1.6	9.1	9.4	5.6	31%	32%	30%	6.3%	6.0%	7.7%
The Mosaic Company	19.07	5.4	4.8	4.5	1.1	1.1	1.1	11.0	8.1	6.9	21%	23%	24%	1.0%	1.2%	1.5%
Yara International	377.40	53.9	46.4	42.1	8.3	7.7	7.2	-	-	-	15%	17%	17%	0.3%	0.4%	0.5%
ZA Police	14.20	5.2	4.7	4.7	1.2	1.2	1.2	1.3	1.2	1.1	23%	24%	24%	58.5%	63.4%	70.4%
ZCh Puławy	87.20	1.8	1.9	1.9	0.3	0.3	0.3	5.4	5.6	-	15%	14%	14%	5.7%	5.7%	-
Median		6.3	6.5	6.2	1.5	1.4	1.3	9.3	9.0	7.9	21%	22%	23%	2.8%	3.4%	2.5%
Chemical companies																
Ciech	34.60	4.8	4.8	4.7	0.9	0.9	0.8	6.8	7.2	7.5	18%	19%	17%	0.0%	2.9%	7.0%
Akzo Nobel	81.48	15.1	13.1	12.0	2.0	1.9	1.9	27.0	19.9	17.6	13%	15%	16%	2.3%	2.5%	3.0%
BASF	59.06	7.6	6.9	6.5	1.1	1.1	1.1	10.9	9.9	9.2	15%	16%	16%	5.5%	5.7%	5.9%
Croda	4616.00	15.0	14.1	13.3	4.7	4.6	4.4	22.2	20.7	19.7	32%	32%	33%	0.0%	0.0%	0.0%
Sisecam	4.14	3.3	2.8	2.5	0.7	0.6	0.5	4.4	3.8	3.7	21%	22%	22%	5.6%	6.2%	7.3%
Soda Sanayii	5.63	3.0	2.4	2.0	0.8	0.7	0.7	4.1	3.6	3.3	27%	29%	34%	10.7%	13.3%	18.3%
Solvay	90.20	5.0	4.7	4.5	1.1	1.1	1.0	10.4	9.8	8.7	22%	22%	22%	4.3%	4.4%	4.6%
Tata Chemicals	550.55	7.8	7.0	6.4	1.4	1.3	1.2	13.4	11.5	10.6	18%	19%	19%	2.2%	2.5%	2.4%
Tessenderlo Chemie	26.00	5.2	4.9	4.4	0.7	0.7	0.6	11.1	9.8	9.0	13%	14%	14%	-	-	-
Wacker Chemie	68.98	5.6	5.3	4.8	0.9	0.9	0.9	17.2	14.0	11.3	17%	17%	18%	3.6%	3.8%	4.5%
Median		5.4	5.1	4.8	1.0	1.0	0.9	11.0	9.9	9.1	18%	19%	19%	3.6%	3.8%	4.6%

Machine and equipment manufacturers

		E\	/ EBITD	A		EV/S			P/E		EBIT	DA mar	gin		DY	ľ
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Industrials																
Famur	3.96	4.1	4.8	5.5	1.1	1.3	1.3	5.0	9.1	11.6	26%	27%	24%	13.4%	9.9%	8.2%
Caterpillar	117.89	7.4	7.3	7.4	1.6	1.6	1.5	9.5	9.0	8.6	21%	21%	21%	3.2%	3.5%	3.4%
Epiroc	100.40	8.2	7.0	6.7	2.0	1.9	1.8	19.0	17.7	16.8	24%	27%	27%	2.5%	2.7%	2.8%
Komatsu	2251.50	5.4	5.3	5.3	1.0	1.0	1.0	8.5	8.3	8.2	19%	19%	19%	4.7%	5.0%	5.1%
Sandvig AG	138.75	7.4	7.2	6.9	1.7	1.7	1.6	12.6	11.9	11.3	23%	23%	23%	3.3%	3.6%	3.8%
Median		7.4	7.0	6.7	1.6	1.6	1.5	9.5	9.1	11.3	23%	22%	22%	3.3%	3.6%	3.8%

Mining company valuations

		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
Metals																
KGHM	74.78	3.7	4.3	3.7	0.9	0.9	0.8	6.5	9.2	7.8	23%	20%	21%	0.0%	2.0%	3.2%
Anglo American	1680.60	3.5	3.8	4.0	1.2	1.2	1.2	7.0	7.8	8.2	36%	33%	31%	0.0%	0.0%	0.0%
Antofagasta	816.80	4.8	4.8	4.4	2.4	2.4	2.3	14.3	14.1	11.8	50%	49%	52%	0.0%	0.0%	0.0%
BHP Group LTD	35.20	3.6	3.4	3.7	1.9	1.9	1.9	12.6	11.5	13.0	54%	54%	52%	4.4%	3.0%	2.4%
Boliden	199.02	4.1	4.2	4.2	1.1	1.0	1.0	8.3	8.5	8.4	26%	25%	25%	6.2%	6.2%	6.6%
First Quantum	8.80	6.4	4.4	4.0	2.8	2.1	2.0	9.1	5.5	4.4	44%	48%	50%	0.1%	0.2%	0.7%
Freeport-McMoRan	9.13	7.8	6.1	4.0	1.9	1.8	1.5	19.4	10.6	5.6	24%	29%	38%	2.2%	4.0%	5.1%
Fresnillo	665.20	6.5	5.4	4.6	2.9	2.7	2.4	18.6	14.9	11.1	45%	49%	53%	0.0%	0.0%	0.0%
Gold Fields	8704.00	5.3	4.7	4.6	2.2	2.1	2.0	31.4	21.1	20.2	42%	44%	44%	0.0%	0.0%	0.0%
Hudbay Min	4.22	2.6	2.4	2.3	1.0	1.0	0.9	12.4	9.8	7.3	39%	42%	41%	0.3%	0.3%	0.3%
KAZ Minerals	397.80	4.0	3.9	3.7	2.2	2.1	2.0	4.5	4.2	3.8	54%	54%	55%	0.0%	0.0%	0.0%
Lundin Min	6.02	4.8	3.3	3.0	1.9	1.5	1.4	12.3	7.3	6.5	39%	45%	48%	1.1%	1.2%	1.6%
MMC Norilsk Nickel	23.68	6.7	6.5	6.4	3.7	3.6	3.5	9.1	9.0	9.4	55%	54%	55%	9.3%	10.3%	11.5%
OZ Minerals	9.08	5.6	4.6	3.7	2.4	2.1	1.8	17.5	12.7	9.0	44%	45%	48%	2.3%	2.5%	2.8%
Polymetal Intl	1107.50	8.2	7.8	7.6	3.8	3.7	3.6	11.9	11.1	10.6	46%	47%	47%	0.0%	0.0%	0.0%
Polyus	7236.00	7.8	7.6	7.6	5.0	4.8	4.8	12.1	11.4	10.6	64%	64%	63%	4.0%	4.5%	4.9%
Sandfire Resources	5.83	2.3	1.6	1.8	1.2	0.9	1.0	8.0	4.8	4.8	51%	58%	57%	4.6%	6.9%	6.4%
Southern CC	30.17	7.1	6.6	6.3	3.7	3.5	3.3	12.5	11.6	10.6	52%	53%	52%	3.7%	5.2%	6.4%
Median		5.1	4.5	4.0	2.2	2.1	2.0	12.2	10.2	8.7	44%	47%	49%	0.7%	1.6%	2.0%

Source: Dom Maklerski mBanku (stocks marked with bold), Bloomberg

Mining company 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
Coal																
JSW	32.34	0.5	1.1	1.5	0.1	0.2	0.2	3.6	9.5	22.3	23%	17%	15%	5.3%	5.5%	5.3%
Alliance Res Partners	15.47	3.3	3.5	3.9	1.1	1.1	1.2	4.0	6.1	7.5	34%	33%	31%	13.9%	14.3%	14.1%
Arch Coal	75.08	2.4	3.0	3.1	0.5	0.5	0.5	4.3	5.7	6.4	20%	17%	16%	2.4%	2.4%	2.4%
Banpu	11.50	7.5	7.5	7.4	1.8	1.8	1.8	6.0	5.7	6.0	24%	23%	25%	6.5%	6.9%	5.8%
BHP Group	47.30	3.5	3.4	3.7	1.9	1.9	1.9	12.5	11.5	12.9	54%	54%	52%	9.8%	6.5%	5.2%
China Coal Energy	2.80	5.1	5.1	4.9	1.0	1.0	0.9	7.1	7.2	6.3	19%	19%	19%	3.0%	2.8%	3.0%
Cloud Peak Energy	0.06	8.8	9.6	11.6	0.5	0.4	0.4	-	-	-	6%	4%	3%	-	-	-
LW Bogdanka	36.00	1.4	1.4	1.4	0.5	0.4	0.4	5.9	5.7	6.1	33%	33%	31%	6.7%	8.5%	6.0%
Natural Res Partners	27.50	1.7	1.7	1.7	1.3	1.3	1.3	4.8	4.5	4.3	79%	80%	80%	6.5%	6.5%	6.5%
Peabody Energy Corp	18.19	2.1	2.3	2.6	0.4	0.4	0.4	8.5	15.0	41.3	20%	19%	17%	12.4%	3.3%	2.9%
PT Bukit Asam Tbk	2420.00	3.6	3.3	3.2	1.1	1.0	0.9	5.1	5.4	4.9	30%	31%	30%	11.6%	12.6%	12.7%
Rio Tinto	3946.00	3.5	3.7	3.9	1.6	1.7	1.8	8.0	8.9	9.8	48%	46%	46%	0.0%	0.0%	0.0%
Semirara Mining&Power	22.80	5.1	4.5	4.2	2.4	2.1	2.1	7.8	7.0	7.1	48%	48%	49%	6.4%	6.8%	8.2%
Shaanxi Heimao Coking	3.47	-	-	-	0.7	0.6	0.6	9.9	9.4	11.2	-	-	-	-	-	-
Shanxi Xishan Coal&Ele	6.03	5.5	5.6	5.3	1.0	1.0	1.0	10.4	10.8	-	19%	18%	19%	0.8%	0.7%	0.9%
Shougang Fushan Res	1.58	2.4	2.4	2.5	1.3	1.2	1.2	6.9	6.5	7.1	52%	49%	47%	8.7%	9.2%	7.2%
Stanmore Coal	1.45	2.1	2.7	4.0	0.8	0.9	0.9	4.4	5.8	9.7	37%	33%	23%	5.0%	4.1%	3.5%
Teck Resources	16.35	2.8	3.1	3.3	1.2	1.2	1.2	5.6	6.5	7.6	41%	39%	38%	1.8%	1.7%	2.3%
Terracom	0.43	1.5	1.3	1.4	0.5	0.4	0.4	3.9	2.3	2.7	30%	27%	26%	-	-	-
Warrior Met Coal	21.24	2.2	3.0	3.3	0.9	1.0	1.0	3.4	5.0	6.0	41%	33%	32%	12.1%	8.1%	8.0%
Yanzhou Coal Mining	6.47	4.0	4.1	3.8	1.1	1.1	1.1	4.0	4.1	3.9	28%	27%	29%	6.5%	6.2%	6.7%
Median		3.1	3.2	3.5	1.0	1.0	1.0	5.8	6.3	7.1	31%	32%	29%	6.5%	6.4%	5.5%

Source: Dom Maklerski mBanku (stocks marked with bold), Bloomberg



European telecom valuations

		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
Polish companies																
Netia	4.57	5.3	5.3	5.1	1.3	1.4	1.4	30.7	25.4	21.7	26%	26%	27%	0.0%	0.0%	8.8%
Orange Polska	6.04	4.8	4.6	4.3	1.4	1.3	1.3	39.0	24.5	17.5	29%	29%	29%	0.0%	0.0%	4.1%
Play	31.06	6.1	6.0	5.6	2.0	2.1	1.9	9.0	8.2	8.1	33%	34%	35%	4.7%	4.2%	4.7%
Median		5.3	5.3	5.1	1.4	1.4	1.4	30.7	24.5	17.5	29%	29%	29%	0%	0.0%	4.7%
Mid Caps																
Proximus	26.08	5.9	5.9	5.9	1.9	1.9	1.9	15.3	14.8	15.0	32%	33%	33%	5.8%	5.8%	5.8%
Telefonica CP	218.00	7.0	7.1	7.2	2.0	2.0	2.0	13.0	13.2	13.4	28%	28%	28%	9.4%	9.0%	8.8%
Hellenic Telekom	12.00	5.0	4.9	4.8	1.8	1.7	1.7	17.1	14.9	13.3	35%	36%	36%	4.6%	5.0%	5.5%
Matav	425.00	4.1	4.0	4.0	1.2	1.2	1.2	9.1	8.9	8.4	30%	30%	30%	6.2%	6.6%	7.2%
Telecom Austria	6.63	5.1	5.0	4.8	1.6	1.6	1.6	10.7	10.0	9.6	32%	32%	33%	3.2%	3.8%	4.1%
Median		5.1	5.0	4.8	1.8	1.7	1.7	13.0	13.2	13.3	32%	32%	33%	5.8%	5.8%	5.8%
Big Caps																
BT	161.40	3.6	3.7	3.6	1.2	1.2	1.2	6.2	6.4	6.1	32%	32%	32%	0.0%	0.0%	0.0%
DT	14.83	5.5	5.3	5.0	1.7	1.7	1.6	14.1	12.7	11.4	32%	32%	33%	5.1%	5.4%	5.8%
KPN	2.72	7.5	7.3	6.9	3.1	3.1	3.2	24.3	20.3	17.6	41%	43%	46%	4.9%	5.2%	5.5%
Orange France	13.47	4.9	4.9	4.8	1.5	1.5	1.5	12.9	11.8	11.1	31%	32%	32%	5.3%	5.6%	5.9%
Swisscom	482.60	7.7	7.7	7.6	2.8	2.9	2.9	16.6	16.8	16.7	37%	37%	38%	4.6%	4.6%	4.6%
Telefonica S.A.	5.99	5.2	5.1	5.0	1.7	1.7	1.7	8.3	7.4	7.2	32%	33%	33%	6.7%	6.8%	7.0%
Telia Company	40.90	8.6	8.5	8.3	2.9	2.9	2.8	16.1	15.0	14.0	34%	34%	34%	6.0%	6.2%	6.3%
TI	0.46	4.4	4.3	4.3	1.8	1.8	1.8	7.1	7.1	7.1	41%	41%	42%	0.0%	0.0%	0.2%
Median		5.4	5.2	5.0	1.8	1.7	1.7	13.5	12.3	11.2	33%	33%	34%	5.0%	5.3%	5.7%

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	11.35	5.2	4.8	4.2	0.5	0.5	0.4	37.7	20.0	12.4	9%	10%	11%	4.4%	4.4%	4.4%
Wirtualna Polska	60.20	10.0	8.9	8.0	3.2	2.8	2.6	18.9	16.1	14.7	31%	32%	32%	1.7%	2.8%	3.2%
Median		7.6	6.8	6.1	1.8	1.6	1.5	28.3	18.1	13.6	20%	21%	21%	3.0%	3.6%	3.8%
Daily Mail																
Arnolgo Mondadori	1.44	5.5	5.4	5.6	0.6	0.6	0.6	10.1	9.3	9.4	10%	11%	10%	3.0%	3.7%	3.2%
Axel Springer	63.00	11.3	10.4	9.5	2.6	2.5	2.4	23.3	20.9	19.1	23%	24%	25%	3.4%	3.6%	3.8%
Daily Mail	774.00	8.4	8.2	7.8	1.1	1.1	1.1	20.9	19.2	17.7	14%	14%	14%	0.0%	0.0%	0.0%
Gruppo Editorial	0.26	5.1	5.1	5.4	0.4	0.4	0.4	11.0	10.1	9.1	7%	8%	7%	2.7%	4.6%	2.7%
New York Times	29.05	18.1	16.9	13.5	2.5	2.4	2.2	34.3	31.0	24.3	14%	14%	16%	0.7%	0.7%	0.8%
Promotora de Inform	1.31	7.8	6.8	6.3	1.7	1.6	1.6	11.7	9.6	8.3	21%	24%	25%	0.0%	0.0%	
Median		8.1	7.5	7.1	1.4	1.4	1.3	16.3	14.6	13.5	14%	14%	15%	1.7%	2.2%	2.7%
тv																
Atresmedia Corp	3.43	5.3	5.4	5.6	0.9	0.9	0.9	6.0	6.3	6.5	18%	17%	17%	13.5%	13.0%	12.1%
Gestevision Telecinco	6.01	7.3	7.6	7.7	1.9	1.9	1.9	9.9	10.0	9.9	26%	26%	25%	7.8%	8.0%	7.8%
ITV PLC	114.65	7.8	7.6	7.2	1.7	1.7	1.6	8.9	8.5	8.2	22%	22%	22%	0.0%	0.0%	0.0%
M6-Metropole Tel	16.51	5.3	5.3	5.0	1.4	1.4	1.4	11.9	11.5	12.5	26%	26%	27%	5.8%	6.0%	6.6%
Mediaset SPA	2.95	4.6	4.5	4.3	1.5	1.5	1.5	13.1	11.6	10.8	33%	34%	36%	5.8%	6.7%	6.8%
Prosieben	11.50	5.4	5.3	5.0	1.2	1.2	1.1	5.8	5.5	5.2	23%	23%	23%	9.1%	9.3%	9.6%
RTL Group	47.98	6.3	6.3	6.1	1.3	1.2	1.2	10.7	10.6	10.4	20%	20%	20%	8.3%	8.4%	8.9%
TF1-TV Francaise	9.01	3.6	3.6	3.3	0.8	0.7	0.7	10.4	9.8	8.6	21%	21%	22%	4.9%	5.2%	6.8%
Median		5.4	5.3	5.0	1.4	1.4	1.4	10.4	10.0	9.9	23%	23%	23%	5.8%	6.7%	6.8%
Pay TV																
Cogeco	106.00	6.2	6.1	6.1	3.0	2.9	2.9	16.3	14.5	14.9	48%	48%	48%	2.0%	2.2%	2.3%
Comcast	43.77	8.6	8.1	7.8	2.7	2.5	2.5	14.6	13.1	12.0	31%	31%	32%	1.9%	2.1%	2.3%
Dish Network	31.72	8.7	10.2	11.8	1.7	1.8	1.9	12.9	17.7	22.0	19%	18%	16%	0.0%	0.0%	0.0%
Liberty Global	26.14	4.9	4.8	5.1	2.1	2.1	2.1	-	-	31.9	43%	43%	41%	0.0%	0.0%	
Shaw Communications	19.20	7.6	7.3	7.0	3.2	3.0	2.9	19.7	17.6	15.7	41%	42%	42%	8.3%	8.3%	8.5%
Median		7.6	7.3	7.0	2.7	2.5	2.5	15.4	16.1	15.7	41%	42%	41%	1.9%	2.1%	2.3%

Source: Dom Maklerski mBanku (stocks marked with bold), Bloomberg

IT company 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																
Asseco Poland	55.70	4.8	4.4	4.2	0.7	0.7	0.6	14.9	14.5	14.3	15%	15%	15%	5.5%	4.1%	4.1%
Comarch	171.00	6.2	5.6	5.2	0.9	0.8	0.8	14.8	13.4	12.6	15%	15%	15%	0.9%	0.9%	0.9%
Median		5.5	5.0	4.7	0.8	0.8	0.7	14.9	14.0	13.5	15%	15%	15%	3.2%	2.5%	2.5%
Foreign companies																
Atos Origin	68.14	6.7	6.4	6.2	0.9	0.9	0.9	7.7	7.2	6.9	13%	14%	14%	2.5%	2.8%	2.9%
CapGemini	106.90	9.0	8.4	8.0	1.3	1.2	1.2	16.4	14.9	13.8	14%	15%	15%	1.7%	1.9%	2.1%
IBM	134.32	8.0	7.9	8.0	1.9	1.9	1.9	9.7	9.5	9.2	24%	24%	24%	4.8%	5.0%	5.1%
Indra Sistemas	6.87	4.9	4.6	4.3	0.5	0.5	0.5	8.6	7.6	6.9	11%	11%	11%	1.8%	2.9%	3.8%
Microsoft	137.78	18.6	16.6	14.6	8.0	7.2	6.5	30.0	27.0	23.3	43%	43%	44%	1.3%	1.4%	1.6%
Oracle	53.19	10.7	10.2	9.9	5.0	4.9	4.7	15.5	14.1	13.2	47%	48%	48%	1.6%	1.7%	1.9%
SAP	107.98	16.5	14.2	12.8	5.1	4.8	4.4	22.4	20.0	17.9	31%	34%	35%	1.5%	1.6%	1.8%
TietoEnator	22.54	7.4	7.1	6.9	1.1	1.1	1.1	12.1	11.5	11.1	15%	15%	15%	6.5%	6.7%	6.9%
Median		8.5	8.2	8.0	1.6	1.6	1.5	13.8	12.8	12.1	20%	20%	20%	1.8%	2.3%	2.5%

Gaming company valuations

		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
Gaming																
11 bit studios	402.00	18.9	23.4	6.0	10.9	9.7	3.9	26.9	38.4	9.5	58%	42%	66%	0.0%	0.0%	0.0%
CD Projekt	239.40	-	8.7	8.7	73.1	6.6	7.1	-	11.7	12.1	14%	76%	82%	0.0%	0.0%	0.0%
Activision Blizzars	49.08	15.2	12.8	12.1	5.4	4.9	4.6	22.7	19.1	16.9	36%	38%	38%	0.8%	0.8%	0.9%
Capcom	2870.00	14.5	13.2	11.9	3.5	3.8	3.5	23.4	21.4	20.0	24%	29%	29%	1.2%	1.4%	1.5%
Take Two	132.39	18.1	20.3	18.4	4.4	4.8	4.5	28.0	30.3	27.3	24%	24%	24%	-	-	-
Ubisoft	72.50	8.1	8.3	7.6	4.0	3.7	3.4	24.3	24.0	20.4	49%	44%	45%	0.0%	-	-
Electronic Arts	94.62	16.4	14.1	12.9	5.2	4.8	4.6	24.1	20.9	18.6	32%	34%	35%	-	-	-
Paradox Interactive	133.80	16.3	12.8	10.5	9.8	8.1	7.0	31.0	24.0	20.2	60%	63%	66%	1.0%	1.2%	1.6%
Mediana		16.3	13.0	11.2	5.3	4.9	4.5	24.3	22.7	19.3	34%	40%	42%	0.4%	0.8%	0.9%

Construction 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
Construction																
Acciona	95.85	8.4	7.9	7.7	1.4	1.4	1.4	20.3	18.3	17.1	17%	18%	18%	3.7%	3.9%	4.2%
Astaldi	0.66	4.5	4.4	4.4	0.5	0.5	0.5	1.1	1.0	0.8	10%	10%	11%	-	-	-
Budimex	132.00	7.3	7.2	6.8	0.3	0.4	0.4	16.8	16.2	14.0	5%	5%	5%	6.2%	4.6%	4.9%
Ferrovial	25.48	52.7	35.2	35.3	3.9	3.8	3.7	65.8	42.3	35.1	7%	11%	10%	2.9%	3.0%	3.1%
Hochtief	98.10	3.5	3.4	3.2	0.2	0.2	0.2	10.3	9.7	9.3	6%	6%	6%	6.3%	6.6%	6.9%
Mota Engil	1.93	4.0	3.7	3.4	0.6	0.5	0.5	12.1	8.2	6.9	15%	15%	15%	2.2%	4.3%	7.3%
NCC	149.05	6.3	5.4	5.1	0.3	0.3	0.3	14.6	10.8	9.9	4%	5%	5%	4.0%	5.0%	5.2%
Skanska	177.35	9.6	8.5	8.1	0.4	0.4	0.4	14.8	13.5	12.7	5%	5%	5%	3.9%	4.1%	4.5%
Strabag	29.50	2.5	2.5	2.5	0.2	0.2	0.1	9.9	9.8	9.5	6%	6%	6%	4.5%	4.6%	4.4%
Median		6.3	5.4	5.1	0.4	0.4	0.4	14.6	10.8	9.9	6%	6%	6%	4.0%	4.4%	4.7%

Real-estate developers

		EV	/EBITD	A		P/BV			P/E		EBIT	DA mar	gin		DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
RE Developers																
Atal	32.70	6.7	7.0	6.4	1.5	1.5	1.4	7.0	7.3	6.6	24%	23%	23%	14.4%	13.0%	12.4%
Dom Development	77.20	7.8	7.2	8.1	1.9	1.8	1.8	8.7	7.8	8.6	17%	18%	17%	11.7%	11.5%	12.8%
Echo Investment	4.26	15.0	12.0	16.1	1.2	1.1	1.0	7.4	6.9	7.3	35%	42%	29%	9.4%	9.1%	5.9%
GTC	9.26	14.7	12.8	10.6	1.0	0.9	0.9	10.1	9.8	7.1	86%	90%	100%	0.2%	0.2%	0.2%
LC Corp	2.30	7.3	10.0	9.0	0.6	0.6	0.6	-	-	-	32%	28%	27%	13.0%	10.9%	7.0%
CA Immobilien Anlagen	31.30	25.5	23.2	21.4	1.0	1.0	0.8	23.6	20.8	15.7	76%	68%	50%	3.1%	3.4%	3.9%
Deutsche Euroshop AG	23.20	14.5	14.5	14.5	0.7	0.7	0.7	10.1	10.2	10.0	88%	88%	88%	6.7%	6.8%	6.9%
Immofinanz AG	24.25	29.2	27.4	24.9	0.9	0.9	0.9	19.9	19.7	15.2	49%	53%	48%	3.5%	3.7%	4.2%
Klepierre	27.41	18.2	18.1	17.8	0.7	0.8	0.8	10.3	10.0	10.1	88%	87%	87%	7.9%	8.2%	8.2%
Segro	768.00	34.4	31.1	28.3	1.1	1.0	1.0	31.9	29.5	28.7	76%	78%	81%	0.0%	0.0%	0.0%
Median		14.8	13.6	15.3	1.0	0.9	0.9	10.1	10.0	10.0	63%	60%	49%	7.3%	7.5%	6.4%

Source: Dom Maklerski mBanku (stocks marked with bold), Bloomberg



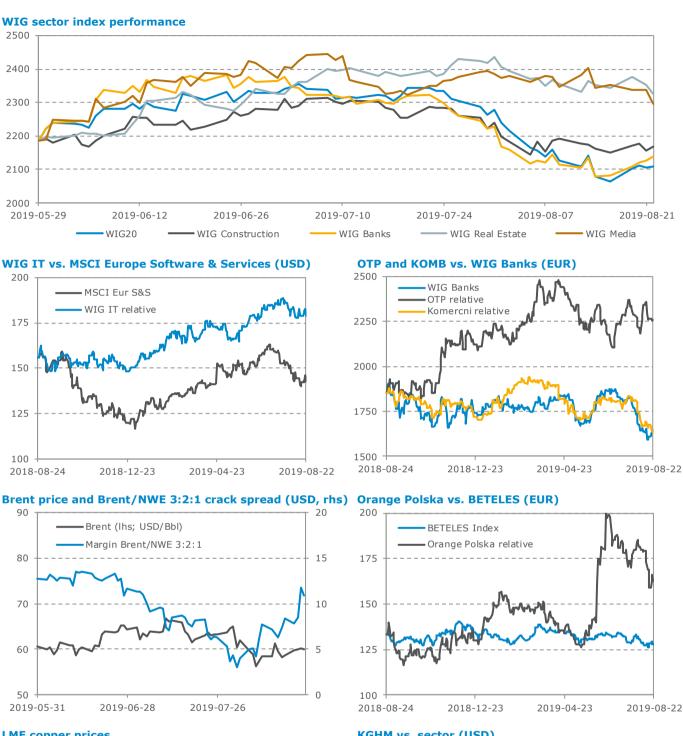
Clothing and footwear company valuations

		EV	/EBITD/	4		EV/S			P/E		EBIT	DA mar	ain		DY	
	Price	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Polish companies																
CCC	130.70	6.8	5.3	5.2	1.1	0.9	0.8	48.8	20.1	17.8	16%	18%	16%	0.4%	1.5%	1.5%
LPP	7130.00	9.8	8.8	7.7	1.4	1.2	1.0	19.5	17.6	16.1	14%	14%	14%	0.8%	1.1%	0.9%
Monnari	4.80	4.6	3.8	2.5	0.3	0.2	0.2	9.5	9.4	8.1	7%	7%	7%	0.0%	0.0%	0.0%
VRG	4.28	8.5	7.2	6.4	1.0	0.9	0.8	13.6	11.8	10.7	12%	12%	12%	0.0%	0.0%	0.0%
Median		7.6	6.3	5.8	1.1	0.9	0.8	16.5	14.7	13.4	13%	13%	13%	0.2%	0.5%	0.4%
Foreign companies																
ABC Mart	6680.00	8.8	8.4	8.1	1.6	1.5	1.5	18.1	17.5	16.9	18%	18%	18%	2.4%	2.6%	2.5%
Adidas	262.55	15.3	13.9	12.7	2.2	2.0	1.9	26.9	23.9	21.1	14%	15%	15%	1.4%	1.7%	1.9%
Assoc Brit Foods	2263.00	8.5	7.9	7.4	1.1	1.0	1.0	16.6	14.8	13.8	13%	13%	13%	0.0%	0.0%	0.0%
Caleries	16.00	3.8	3.4	3.3	0.3	0.2	0.2	7.0	6.4	5.9	7%	7%	7%	1.8%	1.8%	1.8%
Crocs	24.55	12.4	10.4	8.6	1.5	1.4	1.4	22.5	18.0	-	12%	14%	16%	-	-	-
Foot Locker	41.93	4.5	4.2	4.0	0.5	0.5	0.5	9.2	8.1	7.4	11%	11%	12%	3.3%	3.7%	4.0%
Geox	1.25	6.0	4.8	3.9	0.4	0.4	0.3	31.3	16.9	11.0	6%	8%	9%	2.4%	3.2%	4.7%
H&M	178.66	10.0	9.5	9.1	1.2	1.2	1.1	23.3	21.8	20.7	12%	12%	12%	5.2%	5.0%	5.0%
Hugo Boss	50.58	6.4	6.0	5.5	1.2	1.1	1.1	13.4	12.0	10.9	19%	19%	20%	5.7%	6.3%	7.0%
Inditex	27.22	14.0	13.1	12.3	2.9	2.8	2.6	24.3	22.4	20.9	21%	21%	21%	2.9%	3.8%	4.1%
KappAhl	19.85	5.0	4.7	4.8	0.4	0.4	0.4	8.5	8.0	8.3	8%	8%	8%	7.2%	7.9%	6.8%
Lululemon	183.97	26.2	22.3	19.3	6.6	5.7	5.0	49.1	39.9	33.6	25%	26%	26%	0.0%	0.0%	0.0%
Nike	83.31	18.0	15.7	13.9	2.6	2.4	2.2	32.4	27.6	23.5	15%	15%	16%	1.0%	1.1%	1.2%
Under Armour	18.98	9.0	7.3	6.0	0.7	0.7	0.6	54.7	39.0	26.7	8%	9%	10%	0.0%	0.0%	0.0%
Median		8.9	8.2	7.8	1.2	1.2	1.1	22.9	17.8	16.9	12%	13%	14%	2.4%	2.6%	2.5%

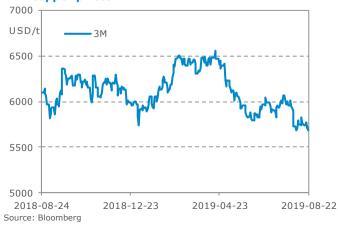
Luxury, e-commerce, and food retail company valuations

		E\	//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
Luxury goods																
Estee Lauder	202.56	14.6	13.3	12.3	3.1	2.9	2.7	38.9	35.1	32.1	21%	21%	22%	0.8%	0.9%	1.0%
Hermes Internetional	618.00	24.3	22.4	20.5	9.2	8.5	7.8	42.9	39.1	35.6	38%	38%	38%	0.9%	1.1%	1.1%
Kering	430.80	10.5	9.6	8.8	3.5	3.2	3.0	16.4	14.4	13.3	33%	34%	34%	2.7%	3.1%	3.5%
LVMH	361.10	13.9	12.9	12.0	3.6	3.4	3.2	24.9	22.8	20.9	26%	26%	27%	1.9%	2.1%	2.3%
Moncler	34.70	14.7	12.9	11.6	5.1	4.5	4.1	23.8	22.1	19.8	35%	35%	35%	1.3%	1.5%	1.8%
Median		14.6	12.9	12.0	3.6	3.4	3.2	24.9	22.8	20.9	33%	34%	34%	1.3%	1.5%	1.8%
E-commerce																
Asos	2268.00	14.5	10.5	8.0	0.7	0.6	0.5	44.8	28.8	20.1	5%	6%	6%	0.0%	0.0%	0.0%
boohoo.com	229.90	31.1	23.2	18.5	3.0	2.3	1.8	57.5	46.0	36.5	10%	10%	10%	0.0%	0.0%	0.0%
Zalando	42.86	33.6	26.2	19.5	1.5	1.3	1.1	-	-	68.0	5%	5%	6%	0.0%	0.0%	0.0%
Median		31.1	23.2	18.5	1.5	1.3	1.1	51.1	37.4	36.5	5%	6%	6%	0.0%	0.0%	0.0%
Retail																
Dino	149.60	21.8	17.1	13.6	2.0	1.5	1.2	38.4	29.3	23.4	9%	9%	9%	0.0%	0.0%	0.0%
Eurocash	18.20	7.6	6.7	5.7	0.1	0.1	0.1	35.2	24.9	17.6	2%	2%	2%	5.5%	1.4%	2.0%
Jeronimo Martins	14.67	9.1	8.3	7.8	0.5	0.5	0.4	20.8	18.7	17.8	6%	6%	6%	1.9%	2.0%	2.0%
Carrefour	15.64	4.9	4.6	4.3	0.2	0.2	0.2	13.5	11.7	10.8	5%	5%	5%	3.2%	3.5%	3.9%
AXFood	205.70	12.1	11.8	11.6	1.0	0.9	0.9	26.6	26.4	26.4	8%	8%	8%	3.4%	3.4%	3.2%
Tesco	213.50	6.9	5.8	5.5	0.4	0.4	0.4	15.0	12.5	11.2	5%	6%	6%	0.0%	0.0%	0.0%
Ahold	20.83	6.1	6.0	5.9	0.5	0.4	0.4	12.7	12.0	11.6	8%	7%	7%	3.6%	3.9%	4.1%
X 5 Retail	2194.50	6.4	5.8	5.4	0.5	0.4	0.4	16.1	14.2	13.4	7%	7%	7%	4.8%	5.6%	6.3%
Magnit	3535.00	5.1	4.5	4.0	0.4	0.3	0.3	10.2	9.5	8.5	7%	7%	7%	6.7%	6.2%	6.5%
Sonae	0.84	9.6	9.1	8.2	0.6	0.6	0.6	8.2	8.4	9.3	7%	7%	7%	5.4%	5.8%	6.0%
Median		7.3	6.4	5.8	0.5	0.4	0.4	15.6	13.4	12.5	7%	7%	7%	3.5%	3.5%	3.6%

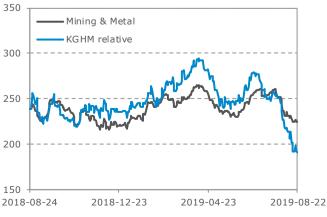
Source: Dom Maklerski mBanku (stocks marked with bold), Bloomberg













Global Market Overview

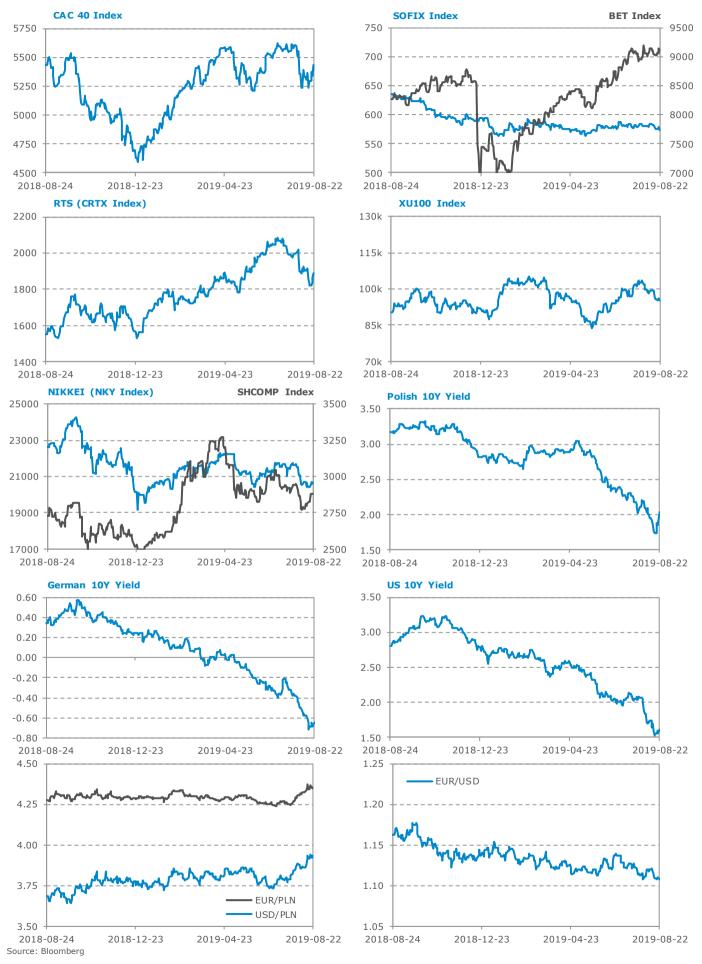
Index	Date	Open	Maximum	Minimum	Close	Change
DJIA	2019-08-22	26,271.64	26,388.78	26,099.01	26,252.24	+0.19%
S&P 500	2019-08-22	2,930.94	2,939.08	2,904.51	2,922.95	-0.05%
NASDAQ	2019-08-22	8,038.79	8,048.58	7,937.13	7,991.39	-0.36%
DAX	2019-08-22	11,756.21	11,853.14	11,715.26	11,747.04	-0.47%
CAC 40	2019-08-22	5,414.81	5,439.64	5,378.25	5,388.25	-0.87%
FTSE 100	2019-08-22	7,203.97	7,203.97	7,103.67	7,128.18	-1.05%
WIG20	2019-08-22	2,108.88	2,126.87	2,097.00	2,108.05	+0.10%
BUX	2019-08-22	39,645.28	39,882.60	39,271.43	39,394.71	-0.64%
ΡX	2019-08-22	1,038.00	1,044.43	1,038.00	1,042.32	+0.42%
RTS	2019-08-22	1,887.92	1,904.49	1,882.92	1,894.66	+0.45%
SOFIX	2019-08-22	579.56	579.56	573.86	574.70	-0.84%
BET	2019-08-22	9,144.96	9,150.27	9,119.36	9,119.36	-0.27%
XU100	2019-08-22	95,730.34	96,117.11	94,349.28	95,394.24	-0.13%
BETELES	2019-08-22	128.33	128.65	127.50	127.70	-0.40%
NIKKEI	2019-08-22	20,706.07	20,731.19	20,584.29	20,628.01	+0.05%
SHCOMP	2019-08-22	2,887.67	2,888.50	2,867.55	2,883.44	+0.11%
Copper (LME)	2019-08-22	5,731.00	5,736.00	5,671.00	5,683.00	-0.85%
Crude Oil (Brent)	2019-08-22	60.05	60.58	59.11	59.62	-1.13%
USD/PLN	2019-08-22	3.9223	3.9499	3.9160	3.9325	+0.26%
EUR/PLN	2019-08-22	4.3475	4.3787	4.3472	4.3568	+0.21%
EUR/USD	2019-08-22	1.1085	1.1113	1.1064	1.1080	-0.05%
USBonds10	2019-08-22	1.5876	1.6267	1.5520	1.6131	+0.0238
GRBonds10	2019-08-22	-0.6810	-0.6170	-0.6960	-0.6440	+0.0260
PLBonds10	2019-08-22	1.9900	2.0490	1.9460	2.0350	+0.0820













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 **PJF** or poperating profit to economic value **PJE** - (Price/Earnings) – price divided by annual net profit per share **ROE** - (Return on Equity) – annual net profit divided by average equity **PJBV** - (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:

Recommendations of Dom Maklerski mBanku: A recommendation is valid for a period of 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 investment will bear a loss greater than 15% Recommendations are updated at least once every nine months.

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Strong and weak points of valuation methods used in recommendations:

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.

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 weak point is high sensitivity to changes in the assumptions as to future dividends; the weak point market 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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