ipopema

Mirbud

Economic slowdown means stabilizing costs

Mirbud reported a strong cash position in 4Q22 which raise hopes for a higherthan-expected dividend payout in months ahead. As we consider the company's business model to stay intact in ensuing years (Mirbud is unlikely to divest investment properties), we believe the company's current activities should bring further improvements in results on a y/y basis in 2023. This predominantly stems from our forecast of 1% better gross margin on a y/y basis in 2023 on the back of a slightly lower cost base. We believe that costs may pick up again in 2024 on the back of reviving economic growth. On top of that, Mirbud recently filed the best bid for the S19 expressway with a planned budget of PLN 1.3bn, which does not yet appear in the company's backlog, but in case the deal is signed it will provide revenue generation beyond 2024 and substantiates our thesis that Mirbud is likely to grow its revenues above PLN 3.5bn in 2025E. All in all, we increase the EBITDA forecast by 40.6% for 2023E, by 8.0% for 2024E and by 11.4% for the 2025E period to PLN 259.9m (up 33.7% y/y) in 2023E, PLN 200.9m (down 22.7% y/y) in 2024E and PLN 208.6m (up 3.9% y/y) in 2025E. We increase our Fair Value by 96.4% to PLN 9.93, which provides 21.3% upside, and we reiterate our **BUY** recommendation.

2023E and 1Q23 results preview

According to Polskie Sklady Budowlane (PSB), a Polish branch organization monitoring the prices of materials in Poland, in March, construction material prices grew by 11% y/y, which is half of the growth recorded in April 2022. We expect the growth of costs to further decelerate in coming months and fall to single-digit values, underpinning our 2023E EBITDA growth projections for Mirbud. Due to less favourable weather, we expect the revenue level to arrive at PLN 451.8m, -10.0% y/y. As a result, we forecast EBITDA in 1Q23E at PLN 26.8m, -6.4% y/y. The gross profit line is expected to come in at PLN 38.4m, -7.7% y/y, which indicates an 8.5% margin, better than the 8.3% recorded a year ago.

Backlog still strong

Mirbud is systematically building a portfolio of orders. At the end of 4Q22, Mirbud had orders worth PLN 5.56bn. For the company it is crucial that the value of the portfolio should stay over PLN 5bn in each period. The great majority of orders (75%) for now comprise road investments, and the remaining 14% are public buildings, 9% production and warehouse construction and approximately 2% residential buildings.

Higher multiple warranted

Mirbud trades at a 2023E EV/EBITDA of 2.5x, which constitutes a 55.7% discount to international peers and a 69.9% discount to Budimex. Budimex is recognized due to its high dividend payout track record; however, we still feel the premium to Mirbud should be smaller due to Mirbud's continued inking of new contracts which we believe will allow the company to increase margins going forward.

Figure 1. Mirbud financial data, (PLN m)

	2021	2022	2023E	2024E	2025E
Revenue	2,505.6	3,319.3	3,348.9	3,427.0	3,575.8
EBIT	174.5	178.4	242.3	184.8	191.3
EBITDA	187.9	194.4	259.9	200.9	208.6
Net profit	128.0	119.2	168.2	132.9	142.2
DPS	0.08	0.20	0.39	0.55	0.43
P/E (x)	5.9	6.3	4.5	5.7	5.3
EV/EBITDA (x)	3.9	3.6	2.5	2.9	2.3

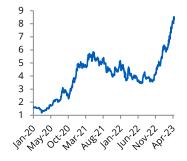
Source: Company, IPOPEMA Research

Construction

Mirbud

BUY FV PLN 9.93

21.3% upside Price as of 27 April 2023 PLN 8.19 Recommendation maintained



Share data

Number of shares (m)	91.7
Market cap (EUR m)	155.8
12M avg daily volume (k)	160.0
12M avg daily turnover (EUR m)	0.2
12M high/low (PLN)	8.12/2.90
WIG weight (%)	0.12
Reuters	MRB.WA
Bloomberg	MRB PW
Total performance	
1M	+21.15%
3M	+39.76%
12M	+161.39%

Shareholders

Jerzy Mirgos	45.34%
NN OFE	10.05%

Analyst

Robert Maj robert.maj@ipopema.pl + 48 22 236 92 90

MIRBUD						P&L (PLN m)	2020	2021	2022	2023E	2024E	2025E
						Revenues	1,242.9	2,505.6	3,319.3	3,348.9	3,427.0	3,575.8
BUY			F		9.93	COGS		-2,274.0			-3,131.7	
						Gross profit	137.3	231.6	270.5	306.3	295.3	306.6
Mkt Cap EUR 155.8m	I	l	Jpside/d	ownside	+21.3%	general construction	88.1	173.6	197.3	189.9	199.4	223.0
						real estate	27.7	33.6	38.3	50.5	44.7	53.8
						long term lease of investment p		22.9	33.6	22.4	11.8	12.2
	2024		20225	00045	20255	trade show activity	2.5	0.0	0.0	0.0	0.0	0.0
Valuation multiples	2021	2022	2023E	2024E	2025E	other	-1.3	3.1	1.6	0.8	1.1	1.1
	5.9 3.9	6.3	4.5 2.5	5.7	5.3 2.3	consolidation corrections	14.7	-1.6	-0.4	42.7	38.4	16.0
EV/EBITDA (x) EV/Sales (x)		3.6 0.21	2.5 0.19	2.9 0.17	2.3 0.13	EBITDA EBIT	98.3 84.3	187.9 174.5	194.4 178.4	259.9 242.3	200.9 184.8	208.6 191.3
	0.30	1.10	0.19	0.17	0.13		-14.0	-18.4	-27.2	-32.0	-20.7	-15.3
P/BV (x)	1.29					Financial income (cost) net						
FCF yield (%)	20%	17%	14%	18%	18%	Pre-tax	70.3	156.1	151.2	210.3	164.0	175.5
DY (%)	1%	2%	5%	7%	5%	Tax	-12.1	-28.0	-32.0	-42.1	-31.2	-33.4
Derchara	2021	2022	20225	20245	2025E	Net profit	58.2	128.0	119.2	168.2	132.9	142.2
Per share No. of shares (m units)	2021 91.7	2022 91.7	2023E 91.7	2024E 91.7	2025E 91.7	BALANCE SHEET (PLN m)	2020	2021E	2022	2023E	2024E	2025
EPS (PLN)	1.40	1.30	1.83	1.45	1.55	Non-current assets	677.9	714.7	729.7	736.4	746.6	757.0
BVPS (PLN)	6.35	7.43	8.88	9.78	10.89	Investment properties	422.3	506.3	489.0	489.0	489.0	489.0
FCFPS (PLN)	1.64	1.41	1.14	1.51	1.51	PP&E	217.0	153.0	170.5	177.3	186.6	195.0
DPS (PLN)	0.08	0.20	0.39	0.55	0.43	Receivables	9.6	6.0	3.6	3.6	3.7	3.9
	0.08	0.20	0.39	0.55	0.43	Current assets			1,518.3			
Change y/y (%)	2021	2022	2023E	2024E	2025E	Inventories	282.8	316.2	392.9	458.5	471.9	492.6
Revenues	101.6%	32.5%	0.9%	2.3%	4.3%	Trade receivables	282.8	498.0	575.5	580.6	594.1	619.9
EBITDA	91.1%	3.5%	33.7%	-22.7%	3.9%	Cash and equivalents	287.5	498.0	507.6	669.8	685.4	715.2
EBIT	106.9%	2.2%	35.8%	-23.7%	3.5%	Other current assets	1.9	43.9	42.4	42.4	42.4	42.4
Pre-tax	122.1%	-3.1%	39.1%	-22.0%	7.0%	Total assets			2,248.0			
Net profit	120.0%	-6.9%	41.2%	-21.0%	7.0%	Equity	461.6	582.3	682.0	814.5	896.9	999.2
Netprone	120.070	0.970	41,270	21.070	7.070	Minorities	0.0	0.0	0.0	0.0	0.0	0.0
Leverage and return	2021	2022	2023E	2024E	2025E	Non-current liabilities	605.8	668.4	648.6	648.2	655.5	666.9
Gross margin (%)	9.2%	8.1%	9.1%	8.6%	8.6%	Loans and leasing	293.6	366.7	395.3	395.3	395.3	395.3
EBITDA margin (%)	7.5%	5.9%	7.8%	5.9%	5.8%	Other non-current liabilities	312.3	301.6	253.3	252.8	260.2	271.6
EBIT margin (%)	7.0%	5.4%	7.2%	5.4%	5.3%	Current liabilities	471.7	790.0		1,025.0	988.0	960.9
Net margin (%)	5.1%	3.6%	5.0%	3.9%	4.0%	Trade payables	359.1	673.3	847.2	833.6	858.0	895.7
Net debt / EBITDA (x)	-0.06	-0.30	-0.39	-0.88	-1.31	Loans and leasing	79.2	90.4	53.0	174.2	112.3	46.8
Net debt / Equity (x)	-0.02	-0.09	-0.12	-0.20	-0.27	Other current liabilities	33.4	26.3	17.2	17.3	17.7	18.4
Leverage Ratio (x)	0.98	0.87	0.72	0.20	0.66	Equity & liabilities			2,248.0			
ROE (%)	24.5%	18.9%	22.5%	15.5%	15.0%	Inventories turnover (days)	93.4	50.7	47.0	55.0	55.0	55.0
ROA (%)	25.0%	21.8%	28.4%	21.5%	22.9%	Receivable turnover (days)	84.4	72.5	63.3	63.3	63.3	63.3
ROCE (%)	14.0%	13.4%	16.6%	11.9%	11.5%	Net debt (PLN m)	83.8	-10.7		-100.3		
110 02 (70)	1 110 / 0	1011/0	101070	111370	111070		0010	1017	0512	10010		2/0/0
Assumptions	2021	2022	2023E	2024E	2025E	CASH FLOW (PLN m)	2020	2021E	2022	2023E	2024E	2025E
Assumptions Sales (PLN m)		2022 3,319.3				CASH FLOW (PLN m) Operating cash flow	2020 247.9	2021E 205.4	2022 133.3	2023E 100.6	2024E 152.9	
					3,575.8							160.4
Sales (PLN m)	2,505.6	3,319.3	3,348.9 3,165.0	3,427.0	3,575.8 3,439.6	Operating cash flow	247.9	205.4	133.3	100.6	152.9	160.4 142.2
Sales (PLN m) General constr.(PLN m)	2,505.6 2,344.0	3,319.3 3,265.9	3,348.9 3,165.0	3,427.0 3,323.3	3,575.8 3,439.6	Operating cash flow Net income	247.9 58.2	205.4 128.0	133.3 119.2	100.6 168.2	152.9 132.9	160.4 142.2 17.3
Sales (PLN m) General constr.(PLN m) Engineering (PLN m)	2,505.6 2,344.0 1,341.8	3,319.3 3,265.9 1,782.3	3,348.9 3,165.0 1,582.5	3,427.0 3,323.3 1,661.6	3,575.8 3,439.6 1,719.8	Operating cash flow Net income D&A	247.9 58.2 14.0	205.4 128.0 13.4	133.3 119.2 16.1	100.6 168.2 17.6	152.9 132.9 16.1	160.4 142.2 17.3 -8.8
Sales (PLN m) General constr.(PLN m) Engineering (PLN m) Trade show (PLN m)	2,505.6 2,344.0 1,341.8 0.0	3,319.3 3,265.9 1,782.3 0.0	3,348.9 3,165.0 1,582.5 0.0	3,427.0 3,323.3 1,661.6 0.0	3,575.8 3,439.6 1,719.8 0.0	Operating cash flow Net income D&A Change in WC	247.9 58.2 14.0 166.8	205.4 128.0 13.4 52.7	133.3 119.2 16.1 -37.2	100.6 168.2 17.6 -84.3	152.9 132.9 16.1 -2.6	160.4 142.2 17.3 -8.8 9.7
Sales (PLN m) General constr.(PLN m) Engineering (PLN m) Trade show (PLN m) Long term lease (PLN m	2,505.6 2,344.0 1,341.8 0.0 42.1	3,319.3 3,265.9 1,782.3 0.0 54.4	3,348.9 3,165.0 1,582.5 0.0 56.0	3,427.0 3,323.3 1,661.6 0.0 58.8	3,575.8 3,439.6 1,719.8 0.0 60.9	Operating cash flow Net income D&A Change in WC Other	247.9 58.2 14.0 166.8 -55.4	205.4 128.0 13.4 52.7 135.0	133.3 119.2 16.1 -37.2 170.5	100.6 168.2 17.6 -84.3 -0.9	152.9 132.9 16.1 -2.6 6.5	160.4 142.2 17.3 -8.8 9.7 - 25.3
Sales (PLN m) General constr.(PLN m) Engineering (PLN m) Trade show (PLN m) Long term lease (PLN m Consolidation corr(PLN	2,505.6 2,344.0 1,341.8 0.0 42.1 -98.9	3,319.3 3,265.9 1,782.3 0.0 54.4 -177.4	3,348.9 3,165.0 1,582.5 0.0 56.0 -100.0	3,427.0 3,323.3 1,661.6 0.0 58.8 -166.2	3,575.8 3,439.6 1,719.8 0.0 60.9 -172.0	Operating cash flow Net income D&A Change in WC Other Investment cash flow	247.9 58.2 14.0 166.8 -55.4 0.0	205.4 128.0 13.4 52.7 135.0 - 54.5	133.3 119.2 16.1 -37.2 170.5 -4.0 -7.1	100.6 168.2 17.6 -84.3 -0.9 -22.2 -22.2	152.9 132.9 16.1 -2.6 6.5 -25.0	160.4 142.2 17.3 -8.8 9.7 - 25.3 -25.3
Sales (PLN m) General constr.(PLN m) Engineering (PLN m) Trade show (PLN m) Long term lease (PLN m Consolidation corr(PLN Other sales (PLN m)	2,505.6 2,344.0 1,341.8 0.0 42.1 -98.9 72.0	3,319.3 3,265.9 1,782.3 0.0 54.4 -177.4 45.0	3,348.9 3,165.0 1,582.5 0.0 56.0 -100.0 51.0	3,427.0 3,323.3 1,661.6 0.0 58.8 -166.2 53.2 157.9	3,575.8 3,439.6 1,719.8 0.0 60.9 -172.0 55.6	Operating cash flow Net income D&A Change in WC Other Investment cash flow CAPEX	247.9 58.2 14.0 166.8 -55.4 0.0 -4.8	205.4 128.0 13.4 52.7 135.0 -54.5 -1.1	133.3 119.2 16.1 -37.2 170.5 -4.0	100.6 168.2 17.6 -84.3 -0.9 -22.2	152.9 132.9 16.1 -2.6 6.5 -25.0 -25.0	160.4 142.2 17.3 -8.8 9.7 -25.3 -25.3 0.0
Sales (PLN m) General constr.(PLN m) Engineering (PLN m) Trade show (PLN m) Long term lease (PLN m Consolidation corr(PLN Other sales (PLN m) Real estate rev.(PLN m)	2,505.6 2,344.0 1,341.8 0.0 42.1 -98.9 72.0 146.4	3,319.3 3,265.9 1,782.3 0.0 54.4 -177.4 45.0 131.5	3,348.9 3,165.0 1,582.5 0.0 56.0 -100.0 51.0 176.9	3,427.0 3,323.3 1,661.6 0.0 58.8 -166.2 53.2	3,575.8 3,439.6 1,719.8 0.0 60.9 -172.0 55.6 191.7	Operating cash flow Net income D&A Change in WC Other Investment cash flow CAPEX Investment properties	247.9 58.2 14.0 166.8 -55.4 0.0 -4.8 4.8 0.0	205.4 128.0 13.4 52.7 135.0 -54.5 -1.1 -40.1 -13.4	133.3 119.2 16.1 -37.2 170.5 -4.0 -7.1 2.8 0.3	100.6 168.2 17.6 -84.3 -0.9 -22.2 -22.2 0.0	152.9 132.9 16.1 -2.6 6.5 -25.0 -25.0 0.0 0.0	160. 4 142.2 17.3 -8.8 9.7 -25.3 -2 5.3 0.0
Sales (PLN m) General constr.(PLN m) Engineering (PLN m) Trade show (PLN m) Long term lease (PLN m Consolidation corr(PLN Other sales (PLN m) Real estate rev.(PLN m) Poland GDP (%)	2,505.6 2,344.0 1,341.8 0.0 42.1 -98.9 72.0 146.4 6.8%	3,319.3 3,265.9 1,782.3 0.0 54.4 -177.4 45.0 131.5 4.8%	3,348.9 3,165.0 1,582.5 0.0 56.0 -100.0 51.0 176.9 0.3%	3,427.0 3,323.3 1,661.6 0.0 58.8 -166.2 53.2 157.9 3.5%	3,575.8 3,439.6 1,719.8 0.0 60.9 -172.0 55.6 191.7 3.5%	Operating cash flow Net income D&A Change in WC Other Investment cash flow CAPEX Investment properties Other	247.9 58.2 14.0 166.8 -55.4 0.0 -4.8 4.8	205.4 128.0 13.4 52.7 135.0 -54.5 -1.1 -40.1	133.3 119.2 16.1 -37.2 170.5 -4.0 -7.1 2.8	100.6 168.2 17.6 -84.3 -0.9 -22.2 -22.2 0.0 0.0	152.9 132.9 16.1 -2.6 6.5 -25.0 -25.0 0.0 0.0	2025E 160.4 142.2 17.3 - 8.8 9.7 - 25.3 - 25.3 0.0 0.0 - 105.4

Change in debt

Change in cash

Cash as of eop

Dividend

Other

-54.3

-1.8

-10.9

180.8

289.0

22.0

-7.3

13.2

178.8

467.8

-17.7

-18.3

-53.4

39.8

507.6

121.2

-35.8

163.8

669.8

0.0

-61.8

-50.5

15.6

685.4

0.0

-65.5

-39.9

29.7

715.2

0.0

3.86

4.56

3.75

4.68

3.65

4.68

3.65

4.68

4.46

4.68

USD PLN (avg)

EURPLN (avg)

4Q22 results overview/1Q23 results preview

Our main take away after the 4Q22 call with the management was that the profitability is likely to be at least maintained in 2023 vs 2022. We believe that this is an overly conservative guidance. We forecast EBITDA in 1Q23E at PLN 26.8m, -6.4% y/y. The gross profit line is expected to come in at PLN 38.4m, -7.7% y/y, which indicates an 8.5% margin, better than the 8.3% recorded a year ago.

Figure 2. Mirbud: 1Q23 results preview

	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	3Q22	4Q22	1Q23	y/y	q/q
Sales	298.3	574.2	774.6	858.4	501.8	849.3	951.8	1,016.5	451.8	-10.0%	-55.6%
General construction	264.9	545.1	741.3	792.6	495.8	858.5	943.2	968.3	450.0	-9.2%	-53.5%
Real estate projects	30.9	33.2	32.9	49.4	12.1	17.7	43.8	57.9	7.8	-36.1%	-86.6%
Long term lease	8.0	9.0	12.4	12.6	13.5	13.7	13.4	13.8	14.0	3.9%	1.2%
Others	6.5	12.1	14.6	38.7	4.1	10.0	15.5	15.3	5.0	20.9%	-67.3%
Corrections	-12.0	-25.2	-26.7	-35.0	-23.8	-50.6	-64.2	-38.8	-25.0	5.2%	-35.6%
Cost of goods & products sold	-260.0	-523.3	-703.5	-787.1	-460.3	-788.0	-869.3	-931.3	-413.4	-10.2%	-55.6%
Gross profit	38.4	50.9	71.1	71.2	41.5	61.3	82.5	85.1	38.4	-7.7%	-55.0%
General construction	25.7	43.5	55.0	49.4	30.7	50.6	62.9	53.0	27.0	-12.1%	-49.1%
Real estate projects	7.8	7.6	7.6	10.6	2.9	5.7	11.7	18.0	2.1	-28.0%	-88.5%
Long term lease	3.4	3.9	7.8	7.8	7.7	9.1	8.3	8.5	5.6	-27.6%	-34.3%
Others	-0.3	0.5	1.8	1.2	1.3	-0.7	1.8	-0.9	0.2	-84.5%	na
Corrections	1.7	-4.5	-1.0	2.2	-1.1	-3.4	-2.3	6.5	3.5	na	-46.0%
SG&A	-13.3	-17.1	-17.0	-18.0	-16.0	-19.4	-18.7	-19.2	-18.0	12.2%	-6.3%
Other operating activity net	12.1	2.2	1.8	-3.3	-0.6	-1.4	-1.8	-15.0	2.0	na	na
EBIT	37.1	33.0	56.5	47.8	24.9	40.5	62.0	50.9	22.4	-10.2%	-56.1%
Net financial activity	-4.6	-4.6	-3.5	-5.7	-4.7	-6.3	-1.7	-14.5	-8.0	68.7%	-44.8%
Pre-tax profit	32.6	28.4	52.9	42.1	20.1	34.3	60.3	36.5	14.4	-28.7%	-60.6%
Tax	-5.1	-6.2	-9.7	-7.1	-5.0	-10.0	-12.1	-4.9	-2.9	-42.2%	-41.8%
Net income	27.5	22.2	43.2	35.1	15.2	24.3	48.2	31.5	11.5	-24.3%	-63.6%
EBITDA	40.3	36.3	59.9	51.4	28.6	44.5	66.1	55.3	26.8	-6.4%	-51.6%

Source: Company, IPOPEMA Research

Changes in forecast

Figure 3. Changes in forecasts

	2023E			2024E			2025E		
PLN m	OLD	NEW	Diff. %	OLD	NEW	Diff. %	OLD	NEW	Diff. %
Sales	3,152.7	3,348.9	6.2%	3,308.8	3,699.9	11.8%	3,260.7	3,575.8	9.7%
Gross profit	249.9	306.3	22.6%	255.3	326.5	27.9%	252.8	306.6	21.3%
EBIT	169.9	242.3	42.6%	171.3	207.2	20.9%	170.0	191.3	12.5%
Net income	117.2	168.2	43.5%	120.7	156.4	29.6%	121.1	142.2	17.4%
EBITDA	184.86	259.91	40.6%	186.02	200.85	8.0%	187.22	208.62	11.4%

Source: Company, IPOPEMA Research

Ipopema vs. Consensus

Figure 4. Ipopema vs. Consensus

	2023E			2024E			2025E		
PLN m	Bloomberg	IPOPEMA	Diff. %	Bloomberg	IPOPEMA	Diff. %	Bloomberg	IPOPEMA	Diff. %
Sales	3,364.0	3,348.9	0%	3,452.0	3,427.0	-1%	3,407.0	3,575.8	5%
EBITDA	199.0	259.9	31%	194.0	200.9	4%	191.0	208.6	9%
EBIT	185.0	242.3	31%	179.0	184.8	3%	175.0	191.3	9%
Net profit	128.0	168.2	31%	135.0	132.9	-2%	134.0	142.2	6%
EBITDA marg	in 5.9%	7.8%		5.6%	5.9%		5.6%	5.8%	
EBIT margin	5.5%	7.2%		5.2%	5.4%		5.1%	5.3%	
Net margin	3.8%	5.0%		3.9%	3.9%		3.9%	4.0%	

Source: Bloomberg, IPOPEMA Research

Valuation

Our valuation approach for construction companies uses two methods: the discounted cash flow (DCF) and the dividend discount model (DDM). We calculate our Fair Value for Mirbud by taking the average of the two results. The two methods are aligned, as they are both based on the same financial model. The model assumes cashflow projections over a 10-year period for the firm based on our forecasts for the construction market, GDP in Poland as well as other parameters including volume growth, product mix changes, changes in the financing model, efficiency gains, production cost increases, capital expenditures and working capital needs. Our dividend projections are a derivative of the earnings forecasts in our financial model. Payout levels are determined by corporate policy in the short-term (15%) and then drift towards a target payout ratio of 50% in the long-term. The DDM is also a useful tool for understanding P/E multiples [P/E = (D/E)/(k-g)], with differences explained by a combination of earnings growth and dividend payout. Both our DCF and DDM models have terminal values with a growth rate of 1%.

Our assumptions for cost-of-equity were established by using a variable risk-free rate (equal to the 12-month forward interest rate) and adding a 5.5% equity risk premium each year. The 12-month forward interest rates were derived from the yield curve of the 2023-2032 period. We also consistently use a beta of one (1) so as not to distort the WACC and the comparability of our valuations.

Figure 5. DCF Valuation (PLN m)

PLN m	2023E	2024E	2025E	2026E	2027E	2028E	2029E	2030E	2031E	2032E	Terminal Year
Revenues	3,348.9	3,427.0	3,575.8	3,699.9	3,826.8	3,958.2	4,093.7	4,233.6	4,378.0	4,527.1	4,527.1
EBIT	242.3	184.8	191.3	207.2	215.0	223.0	219.6	212.0	195.1	221.8	221.8
Tax on EBIT	41.7	33.2	40.4	41.4	40.9	42.4	41.7	40.3	37.1	42.1	42.1
NOPLAT	193.8	149.7	154.9	167.8	174.2	180.6	177.9	171.8	158.1	179.6	179.6
Depreciation	17.6	16.1	17.3	18.6	19.9	21.2	22.5	23.7	24.9	26.2	26.2
Capital expenditures	-22.2	-25.0	-25.3	-25.4	-25.4	-25.2	-23.6	-24.8	-26.1	-27.5	-27.5
Change in working capital	-84.3	-2.6	-8.8	-8.7	-7.8	-8.1	-6.9	-6.6	-5.7	-11.3	-11.3
Free cash flow	105.0	138.2	138.1	152.3	160.9	168.6	169.9	164.0	151.1	167.0	167.0
Risk-free rate	5.95%	5.98%	6.03%	6.08%	6.12%	6.19%	6.58%	6.58%	6.58%	6.58%	6.58%
Equity risk premium	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%
Beta	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Cost of equity	11.45%	11.48%	11.53%	11.58%	11.62%	11.69%	12.08%	12.08%	12.08%	12.08%	12.08%
Cost of debt (pre-tax)	8.4%	8.5%	8.5%	8.6%	8.6%	8.7%	9.1%	9.1%	9.1%	9.1%	9.1%
Effective tax rate	17.2%	18.0%	21.1%	20.0%	19.0%	19.0%	19.0%	19.0%	19.0%	19.0%	19.0%
After-tax cost of debt	7.0%	7.0%	6.7%	6.9%	7.0%	7.0%	7.4%	7.4%	7.4%	7.4%	7.4%
Weight of debt	28.0%	24.7%	21.2%	23.9%	12.8%	8.7%	5.0%	1.5%	-1.2%	-4.4%	-4.4%
Weight of equity	72.0%	75.3%	78.8%	76.1%	87.2%	91.3%	95.0%	98.5%	101.2%	104.4%	104.4%
WACC	10.2%	10.4%	10.5%	10.5%	11.0%	11.3%	11.8%	12.0%	12.1%	12.3%	12.3%
Discount fact	0.91	0.82	0.74	0.67	0.61	0.55	0.49	0.44	0.39	0.35	0.31
PV of FCF	95.2	113.6	102.8	102.6	97.6	91.9	82.8	71.4	58.7	57.7	51.4
Sum of FCF PV's	874.3										
FCF terminal growth rate	1.0%										
Terminal value	1,494.5										
PV of terminal value	460.0										
Unwind of discount	42.2										
Enterprise value	1,376.4										
Net debt 2022	-59.2										
Employees liabilities	-211.3										
Dividend paid out in 2023 (ytd terms)	0.0										
Equity value	1,224.3										
Per share value (PLN)	13.34										

Source: Company, IPOPEMA Research

Mirbud

Figure 6. DDM Valuation (PLN m)

PLNm	2023E	2024E	2025E	2026E	2027E	2028E	2029E	2030E	2031E	2032E	Terminal Year
Dividends	35.8	50.5	39.9	42.7	46.9	67.3	82.6	83.7	92.4	87.7	87.7
Discount rate	11.5%	11.5%	11.6%	11.6%	11.7%	12.1%	12.1%	12.1%	12.1%	12.1%	12.1%
Discount factor	0.90	0.80	0.72	0.65	0.58	0.52	0.46	0.41	0.37	0.33	0.29
Discounted dividend	32.1	40.6	28.7	27.5	27.1	34.7	38.0	34.4	33.8	28.7	25.6
Sum of DD PV's	325.6										
DIV terminal growth rate	1.0%										
Terminal value	799.5										
PV of terminal value	233.2										
Discount unwind	39.6										
Equity value	598.4										
Per share value (PLN)	6.52										

Source: Company, IPOPEMA Research

Figure 7. Valuation Summary

PLN m	
DCF	13.34
DDM	6.52
Average	9.93
General Constant IDODEMA Decemb	

Source: Company, IPOPEMA Research

Figure 8. DCF Valuation Summary

	Equity risk premium								
FCF terminal growth	3.0%	4.0%	5.5%	6.0%	7.0%				
0.5%	16.91	15.15	13.11	12.55	11.56				
0.8%	17.15	15.32	13.22	12.65	11.64				
1.0%	17.40	15.51	13.34	12.76	11.73				
2.0%	18.58	16.36	13.89	13.23	12.10				
3.0%	20.11	17.43	14.56	13.81	12.53				

Source: Company, IPOPEMA Research

Relative valuation

Mirbud trades at a 2022E EV/EBITDA of 3.1x, which constitutes a 37.5% discount to international peers and a 38.2% discount to the most prominent Polish construction company, which is Budimex. Budimex is recognized due to its high dividend payout track record; however, we still feel the premium to Mirbud should be smaller due to Mirbud's continued inking of new contracts which we believe will allow the company to increase margins going forward.

Figure 9. Relative Valuation

PRICE	Ticker	NAME	P/E			EV/EBITI	DA		Dividend yield			
(LCU)			2023	2024	2025	2023	2024	2025	2023	2024	2025	
14.0	ABGV.VI	PORR	6.9	5.9	5.4	1.1	1.0	1.0	5.4	5.7	7.1	
40.7	STRV.VI	STRABAG	9.0	9.0	9.2	2.4	2.4	2.5	5.0	5.0	NaN	
26.8	WBSV.VI	WIENERBERGER	8.1	7.5	7.7	5.1	4.8	4.8	3.8	4.1	4.4	
32.0	TKFEN.IS	TEKFEN HOLDING	4.3	2.9	2.3	3.3	2.4	2.5	8.0	9.6	NaN	
29.4	ENKAI.IS	ENKA INSAAT	14.6	12.9	11.2	8.9	8.0	7.3	2.8	1.9	1.4	
37.7	CIMSA.IS	CIMSA CIMENTO	6.0	4.9	NaN	6.4	4.4	NaN	NaN	NaN	NaN	
87.4	BALF.L	BALFOUR BEATTY PLC	11.8	11.4	12.7	5.6	5.4	5.0	2.9	3.1	3.1	
.5	B5AG.DE	BAUER AG	9.1	5.7	10.9	4.1	3.6	3.7	0.5	0.8	3.4	
		FOMENTO DE										
9.1	FCC.MC	CONSTRUCCIONES Y	10.4	10.1	8.3	6.5	6.2	5.9	4.4	5.0	4.4	
		CONTRATAS SA										
0.7	HOTG.DE	HOCHTIEF AG	11.7	11.1	10.5	5.7	5.6	5.3	5.3	5.6	5.7	
.0	SCYR.MC	SACYR SA	10.5	8.9	7.8	7.5	7.2	6.5	3.8	4.2	5.6	
60.2	SKAb.ST	SKANSKA AB	10.9	10.8	9.7	7.7	7.0	6.1	4.8	5.1	5.5	
32.7	BOUY.PA	BOUYGUES SA	10.6	9.0	8.1	5.3	4.8	4.5	5.3	5.4	6.9	
.9	MOTA.LS	MOTA ENGIL SGPS SA	8.4	7.9	NaN	3.8	3.4	3.3	4.7	4.4	NaN	
1.3	ACS.MC	ACS ACTIVIDADES DE CONSTRUCCION Y SERVICIOS S/	A ^{14.2}	13.3	11.5	5.5	5.3	4.9	6.4	6.5	6.4	
72.7	ANA.MC	ACCIONA SA	17.8	18.6	19.7	8.2	8.2	7.7	2.8	2.9	2.9	
8.2	FER.MC	FERROVIAL SA	65.4	49.9	39.3	31.5	26.3	22.7	2.7	2.8	2.9	
06.5	FOUG.PA	EIFFAGE SA	10.1	9.3	8.9	6.3	6.1	5.8	3.8	4.1	4.3	
6.5	GBFG.DE	BILFINGER SE	14.0	10.9	10.1	4.5	3.9	3.8	4.0	4.7	4.6	
2.2	YIT.HE	YIT OYJ	18.5	9.2	7.4	13.9	9.0	7.5	4.7	5.9	7.3	
1.9	WBD.MI	SALINI IMPREGILO SPA	10.9	10.3	8.3	3.6	3.2	2.8	3.1	3.1	3.1	
11.4	SGEF.PA	VINCI SA	13.9	12.8	12.0	7.6	7.1	6.7	4.0	4.3	4.6	
		MEDIAN	10.7	9.7	9.5	5.7	5.4	5.0	4.0	4.4	4.5	
.2	MRB.WA	MIRBUD	4.5	5.7	5.3	2.5	2.9	2.3	4.8	6.7	5.3	
		Premium/discount to median										
		Mirbud	-58.4%	-41.9%	-44.1%	-55.7%	-46.7%	-54.5%	18.5%	52.0%	17.7%	

Source: Reuters, IPOPEMA Research

ESG Section

Environment

Mirbud takes environmental concerns very seriously. The company has implemented several measures to control its dust emissions and to prevent it producing excessive waste. The company is enhancing its environmental policy by reducing its use of natural resources. Furthermore, the company has endeavoured to optimise its use of resources by focusing on recycling, waste control and water circulation.

Governance

Mirbud maintains transparent and continuous communications with its employees and shareholders. Regular meetings are held between employees and managers to provide updates and consolidate the company's strategy. It publishes quarterly and annual reports in a timely manner.

Risks to fair value

Demand volatility

With its asset-heavy business model, Mirbud is fully exposed to local demand for construction services. Weak demand may lead to sharp declines in profitability.

Unfavourable trend in prices of materials and services

Adverse trends such as rising raw material costs or inflation of transport service costs may hamper the company's profitability.

Potential rise in competition

Given the company's superior profitability, arising from complex solutions and a growing scale of operations, several local competitors might attempt to copy Mirbud's business model, which could potentially increase competition in the company's most important segments.

Workforce shortages

A shortage of skilled labour in the construction industry could result in Mirbud having insufficient employees to operate its business. There are no shortages at the moment, which would likely allow the company to lower its cost base and cost of third parties in quarters ahead.

Rise in receivables

The biggest threat to Mirbud would be a rapid increase in receivables stemming from construction contracts, which would cast a shadow over the profitability of the executed contracts.

Economy slowdown

Estimates for the Polish economy point to lower growth rates going forward. As a result, some investments could be suspended, which would raise questions about the level of Mirbud's future backlog. Decreasing EU funds are likely to accentuate the problem.

Financials

Figure 10. INCOME STATEMENT (PLN m)

-	2019	2020	2021	2022	2023E	2024E	2025E
Sales	949.1	1,242.9	2,505.6	3,319.3	3,348.9	3,427.0	3,575.8
Cost of goods & products sold	-848.5	-1,105.6	-2,274.0	-3,048.8	-3,042.6	-3,131.7	-3,269.1
Gross profit	100.6	137.3	231.6	270.5	306.3	295.3	306.6
SG&A	-54.1	-59.2	-65.5	-73.4	-72.0	-95.5	-99.7
EBIT	52.2	84.3	174.5	178.4	242.3	184.8	191.3
Net financial activity	-15.2	-14.0	-18.4	-27.2	-32.0	-20.7	-15.7
Shares in affiliates	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pre-tax profit	37.0	70.3	156.1	151.2	210.3	164.0	175.5
Tax	-8.9	-12.1	-28.0	-32.0	-42.1	-31.2	-33.4
Minorities	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income	28.1	58.2	128.0	119.2	168.2	132.9	142.2
EBITDA	63.9	98.3	187.9	194.4	259.9	200.9	208.6

Source: Company, IPOPEMA Research

Figure 11. BALANCE SHEET (PLN m)

	2019	2020	2021	2022	2023E	2024E	2025E
Long-term assets	518.6	677.9	714.7	729.7	736.4	746.6	757.0
Tangible assets	217.5	217.0	153.0	170.5	177.3	186.6	195.0
Investment properties	249.6	422.3	506.3	489.0	489.0	489.0	489.0
Receivables and loans	12.3	9.6	6.0	3.6	3.6	3.7	3.9
Deferred assets	23.1	21.8	33.2	50.0	50.5	51.6	53.9
Others	16.1	7.1	16.3	16.6	16.1	15.7	15.3
Current assets	627.8	861.2	1,325.9	1,518.3	1,751.2	1,793.8	1,870.1
Inventories	261.0	282.8	316.2	392.9	458.5	471.9	492.6
Trade receivables and other	256.8	287.5	498.0	575.5	580.6	594.1	619.9
Cash	108.2	289.0	467.8	507.6	669.8	685.4	715.2
Other	1.9	1.9	43.9	42.4	42.4	42.4	42.4
Total assets	1,146.4	1,539.1	2,040.6	2,248.0	2,487.7	2,540.4	2,627.1
Equity	405.3	461.6	582.3	682.0	814.5	896.9	999.2
Long-term liabilities	347.2	605.8	668.4	648.6	648.2	655.5	666.9
Interest bearing	164.3	293.6	366.7	395.3	395.3	395.3	395.3
Deferred tax	34.2	24.3	22.8	34.5	34.4	35.4	37.0
Provisions	3.2	4.4	6.1	7.4	7.5	7.7	8.0
Other liabilities	145.5	283.6	272.7	211.3	210.9	217.1	226.6
Short-term liabilities	394.0	471.7	790.0	917.5	1,025.0	988.0	960.9
Interest bearing	98.2	79.2	90.4	53.0	174.2	112.3	46.8
tax/financial liabilities	2.4	16.1	19.7	11.6	11.6	11.9	12.5
Provisions	3.1	7.4	5.5	4.6	4.6	4.7	5.0
Other ST liabilities	26.9	9.9	1.1	1.0	1.0	1.0	1.0
Trade liabilities	263.4	359.1	673.3	847.2	833.6	858.0	895.7
Total liabilities& equity	1,146.4	1,539.1	2,040.6	2,248.0	2,487.7	2,540.4	2,627.1

Source: Company, IPOPEMA Research

Figure 12. CASH FLOW STATEMENT (PLN m)

	2019	2020	2021	2022	2023E	2024E	2025E
Net profit	28.1	58.2	128.0	119.2	168.2	132.9	142.2
Depreciation	11.7	14.0	13.4	16.1	17.6	16.1	17.3
Change in net working capital	-1.8	166.8	52.7	-37.2	-84.3	-2.6	-8.8
Other items	-9.7	8.9	11.3	35.2	-0.9	6.5	9.7
Operating cash flow	28.2	247.9	205.4	133.3	100.6	152.9	160.4
Purchases of tangibles & intangibles	-18.2	-4.8	-1.1	-7.1	-22.2	-25.0	-25.3
Others	-5.2	0.0	-9.6	0.5	0.0	0.0	0.0
Investing cash flow	-23.4	-4.7	-10.7	-6.7	-22.2	-25.0	-25.3
Change in interest-bearing debt	34.3	-54.3	22.0	-17.7	121.2	-61.8	-65.5
Dividends	0.0	-1.8	-7.3	-18.3	-35.8	-50.5	-39.9
Other	11.3	0.0	0.0	-31.6	0.0	0.0	0.0
Financing cash flow	45.6	-56.1	14.6	-67.6	85.4	-112.3	-105.4
Total cash flow	50.4	187.0	209.4	59.0	163.8	15.6	29.7
Cash at beginning of period	64.1	108.2	289.0	467.8	507.6	669.8	685.4
Cash at end of period	108.2	289.0	467.8	507.6	669.8	685.4	715.2

Source: Company, IPOPEMA Research

This document has been prepared by IPOPEMA Securities S.A. with its registered seat in Warsaw, Próżna 9, 00-107 Warsaw, Poland, entered into the Register of Entrepreneurs of the National Court Register maintained by the District Court for the City of Warsaw, XII Commercial Division of the National Court Register under entry number KRS 0000230737, the initial capital and paid capital in the amount of PLN 2.993.783,60, NIP 5272468122, www.ipopema.pl. IPOPEMA Securities S.A. is supervised by the Polish Financial Supervision Authority (Komisja Nadzoru Finansowego), Piękna 20, 00-549 Warsaw, Poland.

This document was prepared by IPOPEMA Securities S.A. for information purposes only. This document is addressed to IPOPEMA Securities S.A. clients entitled to receive it on the basis of contracts for the provision of services. This document, using mass media distribution channels, may also reach other investors. It has been produced independently of the company mentioned in this document and any forecasts, opinions and expectations are entirely those of IPOPEMA Securities S.A. Unless otherwise specified, the estimates and opinions contained in the document constitute an independent assessment of IPOPEMA Securities S.A. analysts preparing the document as of the date of issuing the document.

IPOPEMA Securities S.A. prepared this document with the preservation of all adequate diligence, thoroughness and reliability on the basis of publicly available information which IPOPEMA Securities S.A. believes to be reliable. The sources of data are primarily: Bloomberg, Reuters, EPFR, Polska Agencja Prasowa, WSE, Główny Urząd Statystyczny, Narodowy Bank Polski, financial press, online financial and economic services. While due diligence has been taken by IPOPEMA Securities S.A. to ensure that the facts stated herein are accurate and that any forecasts, opinions and expectations contained herein are fair and reasonable, IPOPEMA Securities S.A. has not independently verified all the information given in this document. Accordingly, no representation or warranty, express or implied, is made as to the fairness, accuracy, completeness or correctness of the information and opinions contained in this document. The opinions expressed in the document can change without notice and IPOPEMA Securities S.A. is under no obligation to keep these opinion current. None of the IPOPEMA Securities S.A. or any other person accepts any liability whatsoever for any loss howsoever arising from any use of this document or its contents or otherwise arising in connection therewith provided that IPOPEMA Securities S.A. has been exercised due diligence and integrity during its preparation. This document may be sent to the mass media, however its copying or publishing in whole or in part as well as dissemination of information enclosed to it is allowed only with prior permission of IPOPEMA Securities S.A. This document nor any copy hereof is not to be distributed directly or indirectly in the United States, Australia, Canada or Japan, subject to the following section.

Important disclosures for U.S. Persons: Auerbach Grayson & Company Inc. may distribute this document in the U.S. This document is provided for distribution to Major U.S. Institutional Investors in reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended and may not be furnished to any other person in the U.S. Each Major U.S. Institutional Investor that receives this document shall not distribute or provide it to any other person. Under no circumstances should any U.S. recipient of this document effect any transaction to buy or sell securities or related financial instruments through IPOPEMA Securities S.A. Any U.S. recipient of this document wishing to effect any transaction to buy or sell securities or related financial instruments based on the information provided in this document should do so only through Auerbach Grayson & Company Inc. 25 West 45th Street, Floor 16, New York, NY 10036 U.S. which is a registered broker dealer in the U.S. IPOPEMA Securities S.A. and a registered brokerdealer in the U.S. and, therefore, is not subject to U.S. rules regarding the preparation of research reports and the independence of research analysts. IPOPEMA Securities S.A. and its research analysts are not associated persons of Auerbach Grayson & Company, nor are they affiliated with Auerbach Grayson & Company. The author of this document whose name appears in this document is not registered or qualified as a research analyst with the Financial Industry Regulatory Authority ("FINRA"), is not subject to the SEC rules on research analysts and is not subject FINRA's rules on debt research analysts and debt research neports, equity research analysts and equity research reports. U.S. recipients should take into account that information on non-U.S. securities or related financial instruments discussed in this document may be limited. The financial instruments of non-U.S. issuers may not be registered with, or be subject to the regulations of, the SEC. Foreign com

This document does not constitute any offer to sell or induce any offer to buy or sell any financial instruments, cannot be relied on in connection with any contract or liability and does not constitute advertising or promotion of a financial instrument or the company. Investment decisions should only be made on the basis of a prospectus or other publicly available information and materials.

The document was prepared without taking into account the needs and situation of the recipients of the document. When preparing the document, IPOPEMA Securities S.A. does not examine the recipient's investment objectives, risk tolerance level, time horizon and financial standing of the investors. The company or the financial instruments discussed in the document may not be suitable for the users of the document, i.e. it may not be suitable for the specific objectives and time horizon or the financial istuation. Information included in the document cannot be regarded as a substitute for obtaining investment advice service. The value of financial instruments may fluctuate, including declines. Changes in FX rates may have an adverse effect on the value of investments. The investment in financial instruments is linked to investment risks including loss of entire or part of the invested capital. Past performance is not necessarily indicative of future results. IPOPEMA Securities S.A. points out that the price of financial instruments is affected by many different factors that are or may be independent of the company and the results of its operations. These include, among others changing economic, legal, political and tax conditions. IPOPEMA Securities S.A. may have issued in the past or may issue other documents in the future, presenting other conclusions, not consistent with those presented herein document. Such documents reflect different assumptions, points of view and analytical methods adopted by the analysts preparing them.

Investors should be aware that IPOPEMA Securities S.A. or its related entities may have a conflict of interest that could affect this document's objectivity. The investor should assume that IPOPEMA Securities S.A. or its related entities may provide services in favour of the company and obtain remuneration on this account. They may also have another financial interest with respect to the company. IPOPEMA Securities S.A. or its related entities may seek to do business with the company or other entities mentioned in this document. IPOPEMA Securities S.A. has an organizational structure and internal regulations in place to ensure that the client's interests are not compromised in the event of a conflict of interest, in relation to preparing this document. Conflict of interest management policy is available on the website at https://www.ipopemasecurities.pl/analizy-i-rekomendacje.pl62. This document was prepared irrespective and independently of the interests of IPOPEMA Securities S.A., the company that is the subject of this document and holder of financial instrument issued by aforementioned company. IPOPEMA Securities S.A., its shareholders, employees and associates may hold long or short positions in the company's financial instruments.

IPOPEMA Securities S.A. has received remuneration for providing services of investment firms to Mirbud S.A. over the past twelve months. Aforementioned investment services included providing consulting services for enterprises regarding capital structure, enterprise strategy or other issues related to such a structure or strategy as well as offering of financial instruments.

On the order of the Warsaw Stock Exchange S.A. ("WSE"), IPOPEMA Securities S.A. creates analytical materials for the following companies: AC S.A., Capital Park S.A., Mirbud S.A., PKB Pekabex S.A., Vigo System S.A. The WSE has proprietary copyrights to these materials. For the preparation of IPOPEMA Securities S.A. receives remuneration from the WSE. Information on the program is available on the website https://www.gpw.pl/gpwpa.

On the order of the Bursa de Valori Bucuresti S.A. ("BVB"), IPOPEMA Securities S.A. creates analytical materials for the following companies: Bittnet Systems S.A. and Impact Developer & Contractor S.A. The BVB has proprietary copyrights to these materials. For the preparation of IPOPEMA Securities S.A. receives remuneration from the BVB.

IPOPEMA Securities S.A. uses a number of valuation methodologies including discounted cash flows models (such as discounted operating earnings or dividend discount model), and earnings and cash-flow based models, which are often related to comparisons with selected peer companies. Cash flow models encapsulate the cash streams forecast to flow to a company, and are widely used in the investment industry. Peer comparisons factor in amongst other factors, differential growth rates, and indicate how expensive one company might appear relative to a chosen comparator. The subjective opinions of the report's author or authors, formed by their knowledge and experience, play a significant role in the valuation. Also included are assumptions on numerous economic variables, particularly interest rates, inflation and exchange rates and varying these assumptions could results in significantly different opinions. The strength of the earnings and cash flow based models is the closer attention to a company on a standalone basis, and tying the valuation to its fundamental value. The weakness of such method is the number of assumptions, which need to be adopted and resulting sensitivity to those assumptions. The peer comparisons methods are less dependent on the analyst's judgment as to the individual parameters, however the problem with this method appears when the peer comparator is over- or undervalued. Moreover, leading multiples (based on the future earnings, book values, operating profit or cash flows) include an analyst's estimate of those values.

This document was not transferred to the company prior to its publication. This document was prepared according to the author's own view, assumptions and knowledge.

Recommendations issued by IPOPEMA Securities S.A. they are valid for a period of 12 months from the date of issue, unless they are updated during this period. IPOPEMA Securities S.A. updates the issued recommendations depending on the market situation and subjective analysts' assessment.

This document is an investment research within the meaning of Art. 36 par. 1 of the Commission Delegated Regulation (EU) 2017/565.

List of all recommendations regarding any financial instrument or issuer that have been disseminated within the last 12 months by IPOPEMA Securities S.A. is available on the website at https://www.ipopemasecurities.pl/analizy-i-rekomendacje.p162.



The date and the time stated on the front page is the date of the preparation of this document. The price used throughout the recommendation to calculate adequate ratios is the "last" price stated on the front page of this document.

- The definitions of terms used in the document include:
- NII Net interest income interest income minus interest expense.
- Net F&C Net fee and commission income fee and commission income minus fee and commission expense.
- LLP loan loss provisions an expense set aside as an allowance for bad loans. NPL – non-performing loan – loans that are in default or close to be in default.
- Cost/Income operating expenses divided by total banking revenue.
- ROE return on equity net income (or adjusted net income) divided by the average shareholders' equity.
- ROA return on assets net income (or adjusted net income) divided by the average assets.
- EBIT earnings before interests and tax.
- EBITDA earnings before interests, tax, depreciation and amortization.
- EPS earnings per share the net income (or adjusted net income divided by the number of shares outstanding.
- P/E price to earnings ratio price divided by earnings per share.
- PEG P/E ratio divided by the annual EPS growth, usually over a certain period of time.
- CAGR compound annual growth rate.
- BVPS book value per share, the book value of the Company's equity divided by the number of shares outstanding.
- P/BV price to book value price divided by the BVPS.
- DPS dividend per share dividend of a given year divided by the number of shares outstanding.
- DY dividend yield dividend of a given year divided by the current price.
- DDM dividend discount model a fundamental method of valuation based on the assumption that the value of stock equals the sum of all discounted future dividends.
- FV Fair Value, calculated based on valuation methods outlined in the document.

The author of this document has no conflict of interest with the company that is the subject of this document. The point of view expressed in the document reflects the personal opinion of the author of the document on the analyzed company and its financial instruments. Investors should be aware that flexible part of the author's compensation may depend on general financial performance of IPOPEMA Securities S.A.

IPOPEMA Securities S.A. shall act with due diligence, honestly, fairly, professionally and in accordance with the provisions of the applicable law.

IPOPEMA Securities S.A. does not guarantee achieving the investor's investment objective, the performance of company or prospective prices referred to herein.

When applying ratings for companies following criteria are used with regards to the difference between IPOPEMA's FV and company's price at the date of recommendation:

Rating	Difference between FV and price at recommendation
Buy	Above 10%
Hold	In between (and including) -10% and 10%
Sell	Below -10%

IPOPEMA Research - Distribution by rating category (1 January – 31 March 2023)

	Number	%
Виу	9	90%
Hold	1	10%
Sell	0	0%
Total	10	100%

Rating History – Mirbud							
Date	Recommendation	Fair Value	Price at recommendation	Author			
03/09/2020	BUY	PLN 3.14	PLN 2.26	Robert Maj			
04/03/2021	BUY	PLN 5.06	PLN 4.43	Robert Maj			
27/05/2021	BUY	PLN 6.60	PLN 4.97	Robert Maj			
13/12/2021	BUY	PLN 4.78	PLN 4.09	Robert Maj			
06/05/2022	HOLD	PLN 3.53	PLN 3.33	Robert Maj			
30/12/2022	BUY	PLN 5.06	PLN 4.47	Robert Maj			
27/04/2023	BUY	PLN 9.93	PLN 8.19	Robert Maj			