ipopema

Marvipol Development

Return to dividend payments on track

We keep our positive approach towards Marvipol Development and reiterate a BUY recommendation with FV of PLN 11.15/share (previously PLN 10.07), taking into consideration: 1) changes in pre-sale volumes, 2) 2024E dividend proposal, 3) lower 2023 net debt (impact of divestments in logistics segment and more favourable changes in working capital), and 4) current WACC assumptions. We note that given further demand recovery and announced offer expansion in 2024E, we have upgraded the pre-sale volumes by 4% in 2024E and by 3% in 2025E. Additionally, we highlight 2024E DPS proposal with a value of PLN 1.06, which implies a yield of 12.9%, and we suppose that the group will continue the payments in coming years. What is more, we do not underestimate solid cash position and potential disposal of logistics portfolio. On our forecasts, the company currently trades at P/E ratios of 8.5x in 2024E, and 6.3x in 2025E (which implies a discount vs. Polish peers), concurrently with a P/BV of 0.5x.

Drop in 2024E results and strong recovery in 2025E. We reiterate our expectation of a deterioration in 2024E financial results as the group will end only 3 projects in 2024E. We assume that the company will report gross margin of 20.1% (vs. 31.4% in 2023) and a net profit of PLN 40m (-26.8% y/y). On the other hand, we anticipate that Marvipol will significantly improve its results in 2025E, driven by 1) solid presale volumes in 2024E-25E, 2) increase in number of deliveries (from 584 units in 2024E to 692 flats in 2025E), and 3) higher gross margin (22.0%, +1.9p.p. y/y). Hence, 2025E net profit may amount to PLN 55m.

Attractive 2024E dividend proposal. We point to the management board proposal regarding this-year's dividend, which assumes DPS of PLN 1.06 (yield of 12.9%; above our forecast in recent recommendation - we anticipated DPS of PLN 0.67). We firmly believe that the developer will return to recurrent payments and will establish its DPR on a level of 50% in long-term.

Possible divestments in logistics segment as a potential cash booster. The developer has two existing logistics projects (with an estimated value of PLN 142.6m) and three other in preparation in its portfolio, which are expected to be sold. In our view, the potential transactions may take place not earlier than in 2025E, as the investment market is likely to recover gradually starting from 2H24E. We note that aforementioned divestments would additionally underpin company's strong balance-sheet (net debt/BV ratio stood at 0.2x as of end-2023).

Multiple valuation. On our forecasts, Marvipol Development currently trades at a P/E of 8.5x in 2024E and 6.3x in 2025E. As to P/BV multiples, we arrive at 0.5x in 2024E and 2025E, which implies a 66% discount vs. peers.

			(5))
Figure 1. Marvi	pol Development	t – Financial sur	nmary (PLNm)

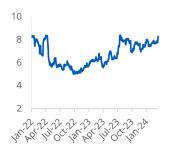
	2021	2022	2023	2024E	2025E	2026E
Revenues	394	589	378	456	475	493
EBITDA	119	122	91	62	74	80
EBIT	116	122	81	52	65	72
Net profit	96	90	55	40	55	61
P/E (x)	3.6	3.8	6.2	8.5	6.3	5.7
P/BV (x)	0.6	0.5	0.5	0.5	0.5	0.4
ROE (%)	16%	14%	8%	6%	7%	8%
DPS (PLN)	0.95	1.14	0.00	1.06	0.49	0.66
Div.yield (%)	11.5%	13.8%	0.0%	12.9%	5.9%	8.0%

Source: Company, IPOPEMA Research

Real Estate

Marvipol Development BUY FV PLN 11.15 from PLN 10.07 35.0% upside

Price as of 19 March 2024 PLN 8.26 Recommendation maintained



Share data

Number of shares (m)	41.7
Market cap (EUR m)	79.6
12M avg daily volume (k)	18.4
12M avg daily turnover (EUR m)	0.03
12M high/low (PLN)	8.76/5.30
WIG weight	0.02%
Reuters	MVP.WA
Bloomberg	MVP PW

Total	performance	

1M	+5.1%
3M	+12.2%
12M	+31.1%

Shareholders

Książek Holding	66.05%
Mariusz Książek	4.99%
Other	28.96%

Analyst

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MARV	IPOL	DEVEL	.OPME	INT

BUY

Mkt Cap EUR 80m

FV PLN 11.15

Upside +35.0%

Valuation multiples	2022	2023	2024E	2025E	2026E
P/E (x)	3.8	6.2	8.5	6.3	5.7
EV/EBITDA (x)	4.8	5.7	8.5	7.1	6.5
EV/Sales (x)	1.0	1.4	1.1	1.1	1.0
P/BV (x)	0.5	0.5	0.5	0.5	0.4
FCF yield (%)	10%	27%	12%	6%	9%
DY (%)	14%	0%	13%	6%	8%

Per share	2022	2023	2024E	2025E	2026E
No. of shares (m units)	41.7	41.7	41.7	41.7	41.7
EPS (PLN)	2.2	1.3	1.0	1.3	1.5
BVPS (PLN)	15.7	17.1	17.0	17.8	18.6
FCFPS (PLN)	0.8	2.3	1.0	0.5	0.7
DPS (PLN)	1.14	0.00	1.06	0.49	0.66

Change y/y (%)	2022	2023	2024E	2025E	2026E
Revenues	49.5%	-35.9%	20.9%	4.1%	3.7%
Gross profit	27.8%	-17.1%	-22.7%	14.3%	8.7%
EBITDA	2.4%	-25.9%	-32.1%	20.3%	8.2%
EBIT	4.4%	-33.4%	-35.6%	24.9%	10.8%
Net profit	-6.0%	-38.5%	-26.8%	36.0%	10.1%

Leverage and return	2022	2023	2024E	2025E	2026E
Gross margin (%)	24.3%	31.4%	20.1%	22.0%	23.1%
EBITDA margin (%)	20.8%	24.0%	13.5%	15.6%	16.3%
EBIT margin (%)	20.7%	21.5%	11.4%	13.7%	14.7%
Net margin (%)	15.3%	14.6%	8.9%	11.6%	12.3%
Net debt / EBITDA (x)	2.0	1.9	2.9	2.4	2.2
Net debt / Equity (x)	0.4	0.2	0.3	0.2	0.2
Net debt / Assets (x)	0.2	0.1	0.1	0.1	0.1
ROE (%)	13.7%	7.8%	5.7%	7.4%	7.8%
ROA (%)	6.5%	3.8%	2.8%	3.9%	4.2%
ROIC (%)	10.6%	7.1%	4.6%	5.5%	6.0%

Operational data	2022	2023	2024E	2025E	2026E
Pre-sales (units)	207	661	678	681	684
change y/y	-45%	219%	3%	0%	0%
Deliveries (units)	910	423	584	692	658
change y/y	64%	-54%	38%	19%	-5%
Avg value (PLNk)*	647	892	782	687	748
change y/y	-9%	38%	-12%	-12%	9%

P&L (PLN m)	2021	2022	2023	2024E	2025E	2026E
Revenues	394	589	378	456	475	493
COGS	-282	-446	-259	-365	-370	-379
Gross profit	112	143	118	92	105	114
SG&A	-41	-44	-38	-42	-44	-46
Profit on sales	71	99	80	49	61	68
Profit from JV	39	22	-4	3	5	5
Other operating income (cost)	7	0	5	0	0	C
EBITDA	119	122	91	62	74	80
EBIT	116	122	81	52	65	72
Financial income (cost) net	-3	-11	-12	-2	3	3
Pre-tax profit	114	111	69	50	68	75
Income tax	-18	-21	-13	-9	-13	-14
Net profit	96	90	55	40	55	61
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BALANCE SHEET (PLN m)	2021	2022	2023	2024E	2025E	2026E
Non-current assets	264	400	339	335	334	333
Intangible assets	0	0	0	0	0	0
PP&E	51	63	66	59	53	48
Long-term financial assets	81	215	182	182	182	182
Other non-current assets	133	122	91	94	99	104
Current assets	1,285	978	1,122	1,085	1,091	1,093
Inventories	1,008	768	812	827	863	893
Trade receivables	48	37	21	25	26	27
Cash and equivalents	218	168	287	231	199	171
Other current assets	11	4	3	231	3	3
Total assets	1,550	1,377	1,461	1,421	۔ 1,424	1,426
Equity	613	655	710	707	741	774
Minorities	013	0	0	0	0	0
			-			315
Non-current liabilities	296	412	366	347	331	
Loans and leasing	272	383	334	315	299	283
Other non-current liabilities	24	28	32	32	32	32
Current liabilities	641	311	385	367	352	336
Trade payables	58	46	39	48	50	52
Loans and leasing	95	31	128	97	78	60
Other current liabilities	488	233	217	223	224	225
Equity & liabilities	1,550	1,377	1,461	1,421	1,424	1,426
Cash conversion cycle (days)	913	465	757	634	636	635
Gross debt (PLN m)	367	415	462	411	377	343
Net debt (PLN m)	149	246	175	180	178	173
CASH FLOW (PLN m)	2021	2022	2023	2024E	2025E	2026E
Operating cash flow	67	85	64	44	22	33
Profit Before Tax	114	111	69	50	68	75
D&A	3	1	10	9	9	8
Change in WC	12	12	-26	-5	-34	-28
Other	-62	-39	12	-11	-21	-22
Investment cash flow	13	-50	30	-2	-2	-2
CAPEX (incl. inv.in properties)	-75	-53	-5	-2	-2	-2
Other	87	3	35	0	0	C
Financial cash flow	-52	-84	24	-97	-52	-59
Change in equity	0	1	2	3	4	5
Change in debt	5	-9	59	-51	-34	-34
Dividend	-40	-47	0	-44	-20	-28
Other	-17	-29	-37	-5	-1	-2
Change in cash	27	-50	118	-55	-32	-29

Source: Company data, IPOPEMA Research; *related to delivered dwellings

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Valuation

We value Marvipol Development using the SOTP method (80% weight) and discounted dividend method (weight of 20%). We add a multiples valuation for presentation purpose only.

Valuation method	Weight	FV (PLNps)	Upside (%)
SOTP valuation (PLN ps), incl.:	80%	11.77	42.5%
Residential segment (DCF method, EV of the segment)		8.99	
Logistics (market value of existing and planned projects)		6.86	
Net debt as of end-2023		-4.09	
DDM valuation (PLN ps)	20%	8.70	5.3%
Peer valuation (PLN ps)	0%	16.95	105.2%
Fair value (PLN ps)		11.15	35.0%

Source: Company, IPOPEMA Research

SOTP valuation

SOTP method is, in our view, the most appropriate valuation approach in the case of Marvipol Development. We use a DCF valuation to estimate the residential segment EV (see more details below). Regarding the logistics division, we calculate its value taking into consideration the market value of existing projects (in Warsaw and Poznan), adjusted for MVP's share in equity, and book value of planned projects (in Katowice and Lodz). We adjust the sum of values of both segments by 2023 net debt.

We base our DCF valuation of the residential segment on our free cash flow forecasts for 2024E-33E (for more details please refer to the "Financial forecasts" section). We apply a risk-free rate based on 10Y governmental bonds in forecasted years and in terminal, equity risk premium at 5.5% and beta of 1.0x and assume a terminal growth rate of 1.0%.

DCF (PLNm)	2024E	2025E	2026E	2027E	2028E	2029E	2030E	2031E	2032E	2033E	Fermina Year
Revenues	456	475	493	523	538	548	557	566	574	582	587
EBIT	49	60	67	67	68	69	69	70	71	72	72
Tax on EBIT	-9	-11	-13	-13	-13	-13	-13	-13	-13	-14	-14
NOPLAT	40	49	54	55	55	55	56	57	57	58	59
Depreciation	9	9	8	7	6	6	5	5	5	4	4
Capital expenditures	-2	-2	-2	-3	-3	-3	-3	-3	-3	-3	-4
Change in working capital	-5	-34	-28	-26	-19	-19	-19	-18	-17	-17	-14
Free cash flow	42	21	32	33	39	39	40	41	42	42	45
Risk-free rate	5.5%	5.6%	5.7%	5.8%	5.8%	5.9%	6.0%	6.0%	6.0%	6.0%	6.0%
Equity risk premium	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%
Beta	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Cost of equity	11.0%	11.1%	11.2%	11.3%	11.3%	11.4%	11.5%	11.5%	11.5%	11.5%	11.5%
Cost of debt (pre-tax)	10.0%	10.1%	10.2%	10.3%	10.3%	10.4%	10.5%	10.5%	10.5%	10.5%	10.5%
Effective tax rate	19.0%	19.0%	19.0%	19.0%	19.0%	19.0%	19.0%	19.0%	19.0%	19.0%	19.0%
After-tax cost of debt	8.1%	8.2%	8.3%	8.3%	8.4%	8.4%	8.5%	8.5%	8.5%	8.5%	8.5%
Weight of debt	28.6%	26.1%	23.7%	21.3%	18.9%	16.5%	15.2%	14.0%	12.7%	11.5%	11.5%
Weight of equity	71.4%	73.9%	76.3%	78.7%	81.1%	83.5%	84.8%	86.0%	87.3%	88.5%	88.5%
WACC	10.2%	10.3%	10.5%	10.6%	10.8%	10.9%	11.1%	11.1%	11.1%	11.2%	11.2%
Discount factor	93%	84%	76%	68%	61%	55%	49%	44%	40%	35%	
PV of FCF	39	18	24	22	24	22	20	18	17	15	
Sum of FCF PV's	218										
FCF terminal growth rate	1.0%										
Terminal value	443										
PV of terminal value	157										
Enterprise value	375										
EV per share (PLN)	8.99										
DCF sensitivity (PLN)								WACC in t	erminal ye	ear	
Terminal growth						9.2%	10.2%	11.2%	12.2%	13.2%	
0.0%						9.41	8.99	8.66	8.37	8.14	
1.0%						9.92	9.41	8.99	8.66	8.37	
2.0%						10.57	9.92	9.41	8.99	8.66	

Existing projects	GLA (k sqm)	Rent (EUR/sqm)	Occupancy rate (%)	NOI (EURm)	NOI (PLNm)	Exit yield (%)	MVP's share in project (%)	MV adj. (EURm)*	MV adj (PLNm) ¹
Warsaw III	41.0	4.3	93%	2.0	8.5	6.25%	50%	15.6	67.7
Poznan	61.0	3.8	93%	2.6	11.2	6.75%	45%	17.3	75.0
Total	102.0	4.0	93%	4.6	19.7	6.53%	47%	32.9	142.6
Planned projects**									143.0
Total value per share									285. <i>6.8</i>

Source: Company, IPOPEMA Research; *MV adjusted of MVP's share in the project; **book value of investment as of end-4Q23

DDM valuation

We value Marvipol Development using the DDM method based on our financial forecasts and assumptions regarding the dividend payout ratio. The company cancelled its previous dividend policy in April'23, due to an unfavourable market environment), concurrently with a decision of no dividend payment in 2023. The management board proposed a pay out of PLN 1.06ps. from 2023 earnings (we expected PLN 0.67ps.). In our model, we assume that the group will return to regular payments with a dividend payout ratio of 50% in long-term.

Figure 5. Marvipol Development – DDM valuation (PLNm)

DDM	2024E	2025E	2026E	2027E	2028E	2029E	2030E	2031E	2032E	2033E	Terminal Year
DPS (PLN ps)	1.06	0.49	0.66	0.73	0.73	0.73	0.74	0.74	0.75	0.76	1.30
Cost of equity	11.0%	11.1%	11.2%	11.3%	11.3%	11.4%	11.5%	11.5%	11.5%	11.5%	11.5%
Discount multiple	92%	83%	74%	67%	60%	54%	48%	43%	38%	34%	
Discounted DPS (PLN ps)	0.98	0.40	0.49	0.48	0.43	0.39	0.35	0.32	0.29	0.26	
Sum of discounted DPS (PLN ps)											4.40
Terminal growth											1.0%
Discounted value of terminal DPS (PLN ps)											4.30
Fair Value (PLN ps)											8.70

Source: Company, IPOPEMA Research

Peer comparison

We present a multiples valuation by comparing Marvipol Development to domestic residential developers, based on the P/E and P/BV multiples. In our analysis, we give 0% weight to the method.

Given our forecasts for 2024E-26E, the company currently trades at a P/E multiple of 8.5/6.3/5.7x. In the case of the P/BV multiple, the average discount to its peers is close to 66%.

Figure 6. Marvipol Development – peer comparison

Company	mCap		P/E (x)		P/BV (x)				
	(PLNm)	2024E	2025E	2026E	2024E	2025E	2026E		
Dom Development	4,317	8.9	8.9	8.6	2.6	2.4	2.2		
Atal	2,662	9.2	8.2	7.3	1.4	1.4	1.3		
Develia	2,327	8.4	8.0	7.8	1.5	1.5	1.4		
Archicom	1,691	26.5	7.0	3.9	1.4	1.2	1.0		
Lokum Deweloper	443	23.1	8.3	8.1	0.9	0.9	0.8		
Median		9.2	8.2	7.8	1.4	1.4	1.3		
Marvipol Development	344	8.5	6.3	5.7	0.5	0.5	0.4		
Premium/discount (%)		-7%	-23%	-27%	-66%	-66%	-66%		
Implied FV/share (PLN)		12.20	7.93	10.34	24.67	23.34	23.22		
Average implied FV/share (PLN)		16.95							

Source: Bloomberg, IPOPEMA Research

Financial forecasts

1Q24E: We expect uninspiring 1Q24E results as the group has already informed about project schedules (there are no new projects to be ended in the current quarter). Thus, similarly as in 4Q23, we predict a single-digit number of delivered apartments. As of now, we anticipate that the developer will report revenues of PLN 21.1m, concurrently with a gross margin of 37.2%. We assume that the EBIT loss will amount to PLN 0.5m, concurrently with a net loss of PLN 2.0m (vs. profit of PLN 5.7m in 1Q23). Simultaneously, we expect that Marvipol Development will expand its offer as it was stated during recent conference call, which in turn will support pre-sale volumes (the company may pre-sell 170 units, +59% y/y).

2024E perspectives: According to the latest investor presentation, the company will end the construction of only 3 projects in 2024E, including In Place I (3Q24E), Motława Gaden (2Q24E) and Gardenia Lagom (3Q24E). Given such a deliveries mix, we expect a decline in gross margin from 31.4% in 2023 (we point to an extra-ordinary favourable mix) to 20.1% in 2024E. In our base case scenario, we predict that the group will report revenues of PLN 456.2m, EBIT of PLN 52.6m and a net profit of PLN 40.5m (+21%/-36%/-27% y/y, respectively). Regarding pre-sale, we suppose that Marvipol Development may increase the volume from 661 units in 2023 to 678 flats in 2024E.

We note that we do not include the effect of potential divestments in the logistics division, but the group intends to dispose of its logistics projects (during recent conference call, Mr. Bartosz Puzdrowski stated that the developer is under negotiations, but he does not believe that the company will sell any project earlier than in 2025E).

2025E outlook and dividend policy: Given the ongoing pre-sales recovery and project pipeline, we suppose that the developer will present a solid rebound in financial results in 2025E. We estimate that the net profit will reach PLN 55.0m. In the long-term perspective, we assume that Marvipol Development will be able to pre-sell and to deliver 650-700 dwellings per year, with margin of 22-23% in the following years, vs. the historical average of 23.7%.

In the case of dividend payments, we highlight that the management board recommended a pay out of PLN 1.06ps. (or PLN 44.1m) from 2023 earnings. In long-term, we assume that the group will return to recurrent dividend payments with a DPR of 50% (we do not exclude that this number may be too conservative, taking into consideration improving market conditions and company's strong balance-sheet).

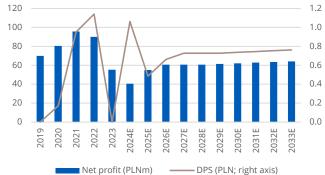
	2020	2021	2022	2023	2024E	2025E	2026E	2027E	2028E	2029E	2030E	2031E	2032E	2033E
Revenues	431	394	589	378	456	475	493	523	538	548	557	566	574	582
Gross profit	106	112	143	118	92	105	114	116	118	120	122	123	125	126
EBITDA	93	120	122	91	62	74	80	79	79	79	80	80	81	81
EBIT	90	116	122	81	52	65	72	72	73	74	75	75	76	77
EBT	100	114	111	69	50	68	75	75	75	76	76	77	78	79
Net profit	80	96	90	55	40	55	61	61	61	61	62	63	63	64
Gross margin	24.5%	28.4%	24.3%	31.4%	20.1%	22.0%	23.1%	22.2%	21.9%	21.9%	21.8%	21.8%	21.7%	21.7%
EBITDA margin	21.5%	30.4%	20.8%	24.0%	13.5%	15.6%	16.3%	15.2%	14.7%	14.5%	14.4%	14.2%	14.1%	14.0%
EBIT margin	20.8%	29.6%	20.7%	21.5%	11.4%	13.7%	14.7%	13.8%	13.5%	13.4%	13.4%	13.3%	13.3%	13.2%
Net margin	18.6%	24.3%	15.3%	14.6%	8.9%	11.6%	12.3%	11.6%	11.3%	11.2%	11.1%	11.1%	11.0%	11.0%
Pre-sales (units)	1,086	376	207	661	678	681	684	687	696	704	711	717	722	727
Deliveries (units)	791	554	910	423	584	692	658	674	685	692	697	702	707	710
Avg.price (PLNk)	545	711	647	892	782	687	748	777	784	792	799	806	812	819
DPS (PLN)	0.2	0.9	1.1	0.0	1.1	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8
DY (%)	2.1%	11.6%	13.9%	0.0%	12.9%	5.9%	8.1%	8.9%	8.9%	8.9%	9.0%	9.1%	9.2%	9.3%
Net debt (PLNm)	157	129	239	170	175	173	167	164	154	144	134	124	113	102
ND/BV (x)	0.3	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
ROE (%)	14%	16%	14%	8%	6%	7%	8%	8%	7%	7%	7%	7%	7%	6%

Figure 7. Marvipol Development - results' estimates in 2024E-2032E (PLNm)

Figure 8. Marvipol Development – gross and net margins (%)

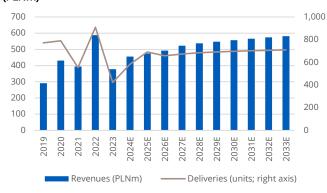


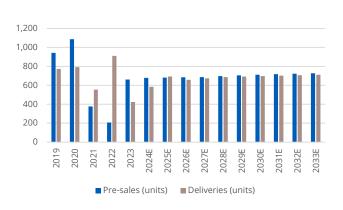
Figure 9. Marvipol Development – DPS (PLN) and net profit (PLNm)



Source: Company, IPOPEMA Research

Figure 10. Marvipol Development - deliveries (units) and revenuesFigure 11. Marvipol Development – pre-sales and deliveries (units) (PLNm)



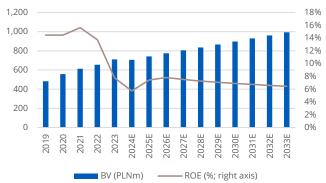


Source: Company, IPOPEMA Research

Figure 12. Marvipol Development – avg.dwelling price (PLNk)



Figure 13. Marvipol Development - ROE (%)



Source: Company, IPOPEMA Research

Figure 14. Marvipol Development – change in estimates in 2024E-2026E (PLNm)

		2024E			2025E			2026E	
	New	Old	Change	New	Old	Change	New	Old	Change
Revenues	456	454	0%	475	483	-2%	493	483	2%
EBITDA	62	64	-4%	74	79	-6%	80	81	-1%
EBIT	52	54	-3%	65	71	-8%	72	73	-1%
Net profit	40	44	-8%	55	58	-5%	61	60	1%
EBITDA margin	13.5%	14.1%		15.6%	16.4%		16.3%	16.8%	
EBIT margin	11.4%	11.9%		13.7%	14.7%		14.7%	15.1%	
net margin	8.9%	9.7%		11.6%	12.0%		12.3%	12.4%	

4Q23 results summary

The company posted its 4Q23 results on 15th March. Below are our key takeaways.

Volumes: The company delivered 5 dwellings vs. 296 flats in 4Q22) and pre-sold 200 units (+264% y/y) in 4Q23.

Revenues: Marvipol Development revenues arrived at PLN 22.5m (-87% y/y, 103% above our expectations). The result was driven by lower volume of deliveries (-98% y/y) and an increase in average dwelling price to PLN 4.5m (we point to more favorable deliveries mix).

Gross margin: The margin grew by 8.7pp y/y, to 37.2% (we assumed 34.4%), which in our view is the effect of price increases and positive deliveries mix.

SG&A costs: SG&A expenses reached PLN 11.1m (vs. PLN 13.2m in 4Q22). SG&A's to sales ratio stood at 49.4%.

EBITDA: EBITDA came in at PLN -3.4m, (vs. PLN 31.7m in 4Q22).

Net profit: Net loss arrived at PLN 14.3m, (vs. profit of PLN 17.0m in 4Q22; we assumed PLN - 14.9m).

OCF: Marvipol Development posted OCF of PLN 13.4m (vs. PLN -13.0m in 4Q22; positive impact of changes in working capital).

Net debt: Net Debt/LTM EBITDA came in at 1.9x and net debt/BV arrived at 0.2x. At the end of 4Q23 Marvipol Development had PLN 287m in cash.

Figure 15. Marvipol Development - 4Q23 results summary (PLNm)

	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	Y/Y	Q/Q	IPO	diff.
Revenues	50.7	24.6	188.6	129.8	121.6	205.1	85.3	176.6	70.8	197.2	87.0	22.5	-87%	-74%	11.1	103%
Gross profit	12.7	7.4	48.5	43.2	29.5	41.7	21.3	50.4	14.0	63.8	32.3	8.4	-83%	-74%	3.8	120%
Profit on sales	4.6	-1.6	38.7	28.9	20.4	29.9	11.6	37.2	6.6	53.9	22.4	-2.7	n.a.	n.a.	-6.0	n.a.
EBITDA	8.5	27.7	41.4	41.8	33.7	36.5	20.5	31.7	9.3	59.9	24.7	-3.4	n.a.	n.a.	-3.5	n.a.
EBIT	7.8	26.9	40.6	41.1	32.9	34.4	18.3	36.1	7.0	57.5	22.3	-5.8	n.a.	n.a.	-6.0	n.a.
EBT	8.5	23.4	40.4	41.5	34.5	27.8	22.7	25.9	6.5	49.7	30.8	-18.4	n.a.	n.a.	-18.3	n.a.
Net profit	8.1	21.0	33.2	33.3	29.1	24.9	18.9	17.0	5.7	39.6	24.3	-14.3	n.a.	n.a.	-14.9	n.a.
Gross margin	25.0%	30.2%	25.7%	33.3%	24.3%	20.3%	25.0%	28.5%	19.8%	32.3%	37.2%	37.2%			34.4%	
EBITDA margin	16.8%	112.8%	21.9%	32.2%	27.7%	17.8%	24.1%	17.9%	13.2%	30.4%	28.4%	n.a.			n.a.	
EBIT margin	15.4%	109.4%	21.5%	31.7%	27.0%	16.8%	21.4%	20.4%	9.9%	29.2%	25.6%	n.a.			n.a.	
Net margin	16.0%	85.4%	17.6%	25.7%	23.9%	12.1%	22.2%	9.6%	8.0%	20.1%	28.0%	n.a.			n.a.	
Pre-sales (units)	83	73	89	131	67	41	44	55	107	141	213	200	264%	-6%	200	0%
Deliveries (units)	65	23	265	201	224	317	73	296	103	278	37	5	-98%	-86%	5	0%
Avg.price (PLNk)	780	1,070	712	646	543	647	1,168	597	688	709	2,351	4,494	653%	91%	2,212	103%
CFO	119.7	22.2	-75.6	0.7	34.4	-8.3	71.4	-13.0	-3.6	41.3	13.3	13.4				
CFI	0.7	-0.1	-44.3	56.3	-49.8	3.2	-10.0	6.4	-1.8	-3.7	-8.4	43.8				
CFF	-85.0	17.9	6.5	8.4	67.3	-73.9	-44.8	-32.9	-10.0	-0.9	40.1	-5.2				
Net debt	44.0	67.7	175.3	129.1	163.2	281.0	220.6	239.1	256.8	206.8	215.4	170.2				
Net debt / EBITDA	0.5	0.6	1.4	1.1	1.1	1.8	1.7	2.0	2.6	1.7	1.7	1.9				
Net debt / BV	0.1	0.1	0.3	0.2	0.3	0.5	0.3	0.4	0.4	0.3	0.3	0.2				

Risk factors

As major risk factors we point to:

- **Risk related to the demand for dwellings.** The company's results are dependent on pre-sales, which took place in previous quarters. Thus, in most cases a drop in demand will negatively affect the financial data and profitability. We note that in 2021-23, Marvipol Development pre-sold 376, 207 and 661 apartments, respectively, due to a limited offer and the above-mentioned deterioration in demand. Hence, the developer delivered 423 flats in 2023, in comparison with 910 units in 2022.
- Risk related to interest rate volatility. In 2022, demand surged, which was driven mainly by interest rate hikes implemented by the MPC. The clients lost their creditability, which decreased by 60-70% (according to market data). Moreover, the share of credit-buyers fell from 70-80% to ca. 20% as of end-2022. Nevertheless, starting from 1Q23, creditworthiness started to slowly recover, which has underpinned pre-sale volumes. Given recent BIK data, the number of granted mortgages in previous months has increased in y/y terms.
- **Risk related to the mortgage bank's policy.** The demand change may also be affected by the bank's attitude to mortgage policy. According to the latest NBP survey, the majority of sector representatives are planning to tighten credit policy in coming months, despite an improving market environment.
- **Risk related to costs.** The profitability of residential projects depends on two key factors on the cost side: 1) material prices, and 2) landplot prices. We observed increased volatility of core material prices in 2022, due to the negative impact of the war in Ukraine, which could leave a footprint on future projects. Nevertheless, the developers decided to increase selling prices and we suppose that the companies will be able to mitigate the above-mentioned factor. Furthermore, the developers reported that in 2023 the key material prices, have at least stabilized, which sounds quite supportive to us. Regarding landbanks, prices continue their long-term trend of hikes and the share of the landbank in the selling price grew from 20% to 22-24% as of now. In our model, we assume that gross profitability will gradually fall to nearly 22% (vs. a long-term average of 23.7%).
- **Risks related to the logistics market.** The logistics division is a supplementary activity within the company's business model. As of end-4Q23, the group has invested ca. PLN 168m in logistics projects and will regain this, if the projects are sold. As of now, we observe a slowdown in the investment market, which is caused by a deterioration in the macro environment and increase in exit yields, which has left a footprint on valuations. Nevertheless, the market may gradually recover in 2H24E.

Key financial data

Figure 16. Marvipol Development – financial data 2019-2033E

Figure 16. Marvipol Developmen		-									-		-	-	
P&L (PLN m)	2019	2020	2021	2022	2023E	2024E	2025E	2026E	2027E	2028E	2029E	2030E	2031E	2032E	2033E
Revenues	291	431	394	589	378	456	475	493	523	538	548	557	566	574	582
COGS	-224	-326	-282	-446	-259	-365	-370	-379	-407	-420	-428	-436	-443	-450	-456
Gross profit	67	106	112	143	118	92	105	114	116	118	120	122	123	125	126
SG&A	-43	-47	-41	-44	-38	-42	-44	-46	-48	-50	-51	-52	-52	-53	-54
Profit on sales	24	59	71	99	80	49	61	68	68	68	69	70	71	72	72
Profit from JV	64	30	39	22	-4	3	5	5	5	5	5	5	5	5	5
Other operating income (cost)	2	1	7	0	5	0	0	0	-1	-1	-1	-1	-1	-1	-1
EBITDA	94	93	119	122	91	62	74	80	79	79	79	80	80	81	81
EBIT	91	90	116	122	81	52	65	72	72	73	74	75	75	76	77
Financial income (cost) net	-1	10	-3	-11	-12	-2	3	3	2	2	2	2	2	2	2
Pre-tax profit	90	100	114	111	69	50	68	75	75	75	76	76	77	78	79
Income tax	-20	-19	-18	-21	-13	-9	-13	-14	-14	-14	-14	-15	-15	-15	-15
Net profit	70	80	96	90	55	40	55	61	61	61	61	62	63	63	64
BALANCE SHEET (PLN m)	2019	2020	2021	2022	2023	2024E	2025E	2026E	2027E	2028E	2029E	2030E	2031E	2032E	2033E
Non-current assets	262	216	264	400	339	335	334	333	334	335	337	340	343	346	350
Intangible assets	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PP&E	32	31	51	63	66	59	53	48	43	39	36	34	32	30	28
Long-term financial assets	146	120	81	215	182	182	182	182	182	182	182	182	182	182	182
Other non-current assets	84	66	133	122	91	94	99	104	109	114	119	124	130	135	140
Current assets	1,012	1,098	1,285	978	1,122	1,085	1,091	1,093	1,093	1,092	1,091	1,107	1,123	1,138	1,153
Inventories	724	854	1,008	768	812	827	863	893	922	945	967	988	1,009	1,028	1,048
Trade receivables	46	53	48	37	21	25	26	27	29	29	30	30	31	31	32
Cash and equivalents	176	191	218	168	287	231	199	171	140	116	92	86	80	76	71
Other current assets	66	0	11	4	3	3	3	3	3	3	3	3	3	3	3
Total assets	1,275	1,314	1,550	1,377	1,461	1,421	1,424	1,426	1,426	1,427	1,428	1,447	1,466	1,484	1,503
Equity	483	557	613	655	710	707	741	774	805	835	866	897	929	961	994
Minorities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Minorities Non-current liabilities	0 326	0 259		0 412	0 366	0 347			0 300	0 284	0 268	0 252	0 237	0 221	1 205
	-		0				0	0							
Non-current liabilities	326	259	0 296	412	366	347	0 331	0 315	300	284	268	252	237	221	205
Non-current liabilities Loans and leasing	326 294	259 233	0 296 272	412 383	366 334	347 315	0 331 299	0 315 283	300 267	284 252	268 236	252 220	237 204	221 189	205 173
Non-current liabilities Loans and leasing Other non-current liabilities	326 294 32	259 233 26	0 296 272 24	412 383 28	366 334 32	347 315 32	0 331 299 32	0 315 283 32	300 267 32	284 252 32	268 236 32	252 220 32	237 204 32	221 189 32	205 173 32
Non-current liabilities Loans and leasing Other non-current liabilities Current liabilities	326 294 32 465	259 233 26 498	0 296 272 24 641	412 383 28 311	366 334 32 385	347 315 32 367	0 331 299 32 352	0 315 283 32 336	300 267 32 322	284 252 32 308	268 236 32 294	252 220 32 297	237 204 32 300	221 189 32 302	205 173 32 305
Non-current liabilities Loans and leasing Other non-current liabilities Current liabilities Trade payables	326 294 32 465 51	259 233 26 498 53	0 296 272 24 641 58	412 383 28 311 46	366 334 32 385 39	347 315 32 367 48	0 331 299 32 352 50	0 315 283 32 336 52	300 267 32 322 55	284 252 32 308 56	268 236 32 294 57	252 220 32 297 58	237 204 32 300 59	221 189 32 302 60	205 173 32 305 61
Non-current liabilities Loans and leasing Other non-current liabilities Current liabilities Trade payables Loans and leasing	326 294 32 465 51 147	259 233 26 498 53 143	0 296 272 24 641 58 95	412 383 28 311 46 31	366 334 32 385 39 128	347 315 32 367 48 97	0 331 299 32 352 50 78	0 315 283 32 336 52 60	300 267 32 322 55 42	284 252 32 308 56 23	268 236 32 294 57 5	252 220 32 297 58 5 5	237 204 32 300 59 5	221 189 32 302 60 5	205 173 32 305 61 5
Non-current liabilities Loans and leasing Other non-current liabilities Current liabilities Trade payables Loans and leasing Other current liabilities	326 294 32 465 51 147 267	259 233 26 498 53 143 302	0 296 272 24 641 58 95 488	412 383 28 311 46 31 233	366 334 32 385 39 128 217	347 315 32 367 48 97 223	0 331 299 32 352 50 78 224	0 315 283 32 336 52 60 225	300 267 32 322 55 42 226	284 252 32 308 56 23 229	268 236 32 294 57 5 231	252 220 32 297 58 5 234	237 204 32 300 59 5 235	221 189 32 302 60 5 237	205 173 32 305 61 5 239
Non-current liabilities Loans and leasing Other non-current liabilities Current liabilities Trade payables Loans and leasing Other current liabilities Equity & liabilities	326 294 32 465 51 147 267 1,275	259 233 26 498 53 143 302 1,314	0 296 272 24 641 58 95 488 1,550	412 383 28 311 46 31 233 1,377	366 334 32 385 39 128 217 1,461	347 315 32 367 48 97 223 1,421	0 331 299 32 352 50 78 224 1,424	0 315 283 32 336 52 60 225 1,426	300 267 32 322 55 42 226 1,426	284 252 32 308 56 23 229 1,427	268 236 32 294 57 5 231 1,428	252 220 32 297 58 5 234 1,447	237 204 32 300 59 5 235 1,466	221 189 32 302 60 5 237 1,484	205 173 32 305 61 5 239 1,503
Non-current liabilities Loans and leasing Other non-current liabilities Current liabilities Trade payables Loans and leasing Other current liabilities Equity & liabilities Gross debt (PLN m)	326 294 32 465 51 147 267 1,275 441	259 233 26 498 53 143 302 1,314 376	0 296 272 24 641 58 95 488 1,550 367	412 383 28 311 46 31 233 1,377 415	366 334 32 385 39 128 217 1,461 462	347 315 32 367 48 97 223 1,421 411	0 331 299 32 352 50 78 224 1,424 377	0 315 283 32 336 52 60 225 1,426 343	300 267 32 322 55 42 226 1,426 309	284 252 32 308 56 23 229 1,427 275	268 236 32 294 57 5 231 1,428 241	252 220 32 297 58 58 5 234 1,447 225	237 204 32 300 59 5 235 235 1,466 210	221 189 32 302 60 5 237 1,484 194	205 173 32 305 61 5 239 1,503 178
Non-current liabilities Loans and leasing Other non-current liabilities Current liabilities Trade payables Loans and leasing Other current liabilities Equity & liabilities Gross debt (PLN m)	326 294 32 465 51 147 267 1,275 441	259 233 26 498 53 143 302 1,314 376	0 296 272 24 641 58 95 488 1,550 367	412 383 28 311 46 31 233 1,377 415	366 334 32 385 39 128 217 1,461 462 175	347 315 32 367 48 97 223 1,421 411 180	0 331 299 32 352 50 78 224 1,424 377 178	0 315 283 32 336 52 60 225 1,426 343	300 267 32 55 42 226 1,426 309 169	284 252 32 308 56 23 229 1,427 275	268 236 32 294 57 5 231 1,428 241 150	252 220 32 297 58 58 5 234 1,447 225	237 204 32 300 59 5 235 235 1,466 210	221 189 32 302 60 5 237 1,484 194	205 173 32 305 61 5 239 1,503 178
Non-current liabilities Loans and leasing Other non-current liabilities Current liabilities Trade payables Loans and leasing Other current liabilities Equity & liabilities Gross debt (PLN m) Net debt (PLN m)	326 294 32 465 51 147 267 1,275 441 265	259 233 26 498 53 143 302 1,314 376 185	0 296 272 24 641 58 95 488 1,550 367 149	412 383 28 311 46 31 233 1,377 415 246	366 334 32 385 39 128 217 1,461 462 175	347 315 32 367 48 97 223 1,421 411 180	0 331 299 32 352 50 78 224 1,424 377 178	0 315 283 32 336 52 60 225 1,426 343 173	300 267 32 55 42 226 1,426 309 169	284 252 32 308 56 23 229 1,427 275 159	268 236 32 294 57 5 231 1,428 241 150	252 220 32 297 58 5 234 1,447 225 140	237 204 32 300 59 5 235 1,466 210 129	221 189 32 302 60 5 237 1,484 194 118	205 173 32 305 61 5 239 1,503 178 107
Non-current liabilities Loans and leasing Other non-current liabilities Current liabilities Trade payables Loans and leasing Other current liabilities Equity & liabilities Gross debt (PLN m) Net debt (PLN m) CASH FLOW (PLN m)	326 294 32 465 51 147 267 1,275 441 265 2019	259 233 26 498 53 143 302 1,314 376 185 2020	0 296 272 24 641 58 58 488 1,550 367 149 2021	412 383 28 311 46 31 233 1,377 415 246 2022	366 334 32 385 39 128 217 1,461 462 175 2023	347 315 32 367 48 97 223 1,421 411 180 2024E	0 331 299 32 50 78 224 1,424 377 178 2025E	0 315 283 32 336 52 60 225 1,426 343 173 2026E	300 267 32 55 42 226 1,426 309 169 2027E	284 252 32 308 56 23 229 1,427 275 159 2028E	268 236 32 294 57 5 231 1,428 241 150 2029E	252 220 32 297 58 5 234 1,447 225 140 2030E	237 204 32 59 5 235 1,466 210 129 2031E	221 189 32 60 5 237 1,484 194 118 2032E	205 173 32 305 61 5 239 1,503 178 107 2033E
Non-current liabilities Loans and leasing Other non-current liabilities Current liabilities Trade payables Loans and leasing Other current liabilities Equity & liabilities Gross debt (PLN m) Net debt (PLN m) CASH FLOW (PLN m) Operating cash flow	326 294 32 465 51 147 267 1,275 441 265 2019 -27	259 233 26 498 53 143 302 1,314 376 185 2020 -49	0 296 272 24 641 58 85 488 1,550 367 149 2021 67	412 383 28 311 46 31 233 1,377 415 246 2022 85	366 334 32 385 39 128 217 1,461 462 175 2023 64	347 315 32 367 48 97 223 1,421 411 180 2024E 44	0 331 299 32 50 78 224 1,424 377 178 2025E 22	0 315 283 32 336 52 60 225 1,426 343 173 2026E 33	300 267 32 55 42 226 1,426 309 169 2027E 34	284 252 32 308 56 23 229 1,427 275 159 2028E 41	268 236 32 57 5 231 1,428 241 150 2029E 41	252 220 32 297 58 5 234 1,447 225 140 2030E 2030E	237 204 32 59 5 235 1,466 210 129 2031E 42	221 189 32 60 5 237 1,484 194 118 2032E 44	205 173 32 305 61 5 239 1,503 178 107 2033E 44
Non-current liabilities Loans and leasing Other non-current liabilities Current liabilities Trade payables Loans and leasing Other current liabilities Equity & liabilities Gross debt (PLN m) Net debt (PLN m) Operating cash flow Profit Before Tax D&A	326 294 32 465 51 147 267 1,275 441 265 2019 -27 90	259 233 26 498 53 143 302 1,314 376 185 2020 -49 100	0 296 272 24 641 58 95 488 1,550 367 149 2021 67 114	412 383 28 311 46 31 233 1,377 415 246 2022 85 111	366 334 32 385 39 128 217 1,461 462 175 2023 64 69	347 315 32 367 48 97 223 1,421 411 180 2024E 44 50	0 331 299 32 50 78 224 1,424 377 178 2025E 22 68	0 315 283 32 52 60 225 1,426 343 173 2026E 33 75	300 267 32 55 42 226 1,426 309 169 2027E 34 75	284 252 308 56 23 229 1,427 275 159 2028E 41 75	268 236 32 57 5 231 1,428 241 150 2029E 41 76	252 220 32 58 5 234 1,447 225 140 2030E 42 76	237 204 32 59 5 235 1,466 210 129 2031E 42 77	221 189 32 60 5 237 1,484 194 118 2032E 44 78	205 173 32 305 61 5 239 1,503 178 107 2033E 2033E 44 79
Non-current liabilities Loans and leasing Other non-current liabilities Current liabilities Trade payables Loans and leasing Other current liabilities Equity & liabilities Gross debt (PLN m) Net debt (PLN m) CASH FLOW (PLN m) Operating cash flow Profit Before Tax	326 294 32 51 147 267 1,275 441 265 2019 -27 90 3	259 233 26 498 53 143 302 1,314 376 185 2020 -49 100 3	0 296 272 24 641 58 95 488 1,550 367 149 2021 67 114 3	412 383 28 311 46 31 233 1,377 415 246 2022 85 111 1	366 334 32 385 39 128 217 1,461 462 175 2023 64 69 10	347 315 32 367 48 97 223 1,421 411 180 2024E 44 50 9	0 331 299 32 50 78 224 1,424 377 178 2025E 2025E 22 68 9	0 315 283 32 52 60 225 1,426 343 173 2026E 33 75 8	300 267 32 55 42 226 1,426 309 169 2027E 34 75 7	284 252 308 56 23 229 1,427 275 159 2028E 41 75 6	268 236 32 294 57 5 231 1,428 241 150 2029E 41 76 6	252 220 32 58 5 234 1,447 225 140 2030E 42 76 5	237 204 32 59 5 235 1,466 210 129 2031E 42 77 5	221 189 32 60 5 237 1,484 194 118 2032E 44 78 5	205 173 32 305 61 5 239 1,503 178 107 2033E 44 79 4
Non-current liabilities Loans and leasing Other non-current liabilities Current liabilities Trade payables Loans and leasing Other current liabilities Equity & liabilities Gross debt (PLN m) Net debt (PLN m) Operating cash flow Profit Before Tax D&A Change in WC	326 294 32 465 51 147 267 1,275 441 265 2019 -27 90 3 -45	259 233 26 498 53 143 302 1,314 376 185 2020 -49 100 3 -93	0 296 272 24 641 58 95 488 1,550 367 149 2021 67 114 3 12	412 383 28 311 46 31 233 1,377 415 246 2022 85 111 1 12	366 334 32 385 39 128 217 1,461 462 175 2023 64 69 10 -26	347 315 32 367 48 97 223 1,421 411 180 2024E 44 50 9 -5	0 331 299 32 50 78 224 1,424 377 178 2025E 222 68 9 -34	0 315 283 32 52 60 225 1,426 343 173 2026E 33 75 8 -28	300 267 32 55 42 226 1,426 309 169 2027E 34 75 7 7 -26	284 252 32 308 56 23 229 1,427 275 159 2028E 41 75 6 -19	268 236 32 294 57 5 231 1,428 241 150 2029E 41 76 6 6 -19	252 220 32 58 5 234 1,447 225 140 2030E 42 76 5 -19	237 204 32 59 5 235 1,466 210 129 2031E 42 77 5 -18	221 189 32 60 5 237 1,484 194 118 2032E 44 78 5 -17	205 173 32 305 61 5 239 1,503 178 107 2033E 2033E 44 79 4 -17 -23
Non-current liabilities Loans and leasing Other non-current liabilities Current liabilities Trade payables Loans and leasing Other current liabilities Equity & liabilities Gross debt (PLN m) Net debt (PLN m) Operating cash flow Profit Before Tax D&A Change in WC Other	326 294 32 465 51 147 267 1,275 441 265 2019 -27 90 3 -45 -75	259 233 26 498 53 143 302 1,314 376 185 2020 -49 100 3 -93 -58	0 296 272 24 641 58 95 488 1,550 367 149 2021 67 114 3 12 -62	412 383 28 311 46 31 233 1,377 415 246 2022 85 111 1 12 -39	366 334 32 385 39 128 217 1,461 462 175 2023 64 69 10 -26 12	347 315 32 367 48 97 223 1,421 411 180 2024E 44 50 9 -5 -11	0 331 299 32 50 78 224 1,424 377 178 2025E 222 68 9 -34 -21	0 315 283 32 52 60 225 1,426 343 173 2026E 333 75 8 -28 -22	300 267 32 55 42 226 1,426 309 169 2027E 34 75 7 7 -26 -22	284 252 32 308 56 23 229 1,427 275 159 2028E 41 75 6 -19 -21	268 236 32 294 57 5 231 1,428 241 150 2029E 41 76 6 -19 -22	252 220 32 58 5 234 1,447 225 140 225 140 2030E 42 76 5 -19 -22	237 204 32 59 5 235 1,466 210 129 2031E 42 77 5 -18 -22	221 189 32 60 5 237 1,484 194 118 2032E 44 78 5 -17 -22	205 173 32 305 61 5 239 1,503 178 107 2033E 2033E 44 79 4 -17
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Marvipol Development

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.

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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 October - 31 December 2023)

	Number	%
Buy	60	71%
Hold	18	21%
Sell	6	7%
Total	84	100%

Rating History – Marvipol Development								
Date	Recommendation	Fair Value	Price at recommendation	Author				
07/09/2023	BUY	PLN 10.49	PLN 8.00	Adrian Górniak				
12/12/2023	BUY	PLN 10.07	PLN 7.20	Adrian Górniak				
20/03/2024	BUY	PLN 11.15	PLN 8.26	Adrian Górniak				