

<b>Buy</b> <b>EUR 3.90</b>  Price EUR 2.26 <b>Upside 72.6 %</b>	<b>Value Indicators:</b> EUR DCF: 3.90	<b>Warburg Risk Score:</b> <b>0.0</b> Balance Sheet Score: 0.0 Market Liquidity Score: 0.0	<b>Description:</b> elumeo is a vertically-integrated, multi-channel, precious jewellery retailer
	<b>Market Snapshot:</b> EUR m Market cap: 13.4 No. of shares (m): 5.9 EV: 14.9 Freefloat MC: 8.4 Ø Trad. Vol. (30d): 14.50 th	<b>Shareholders:</b> Freefloat 62.50 % Blackflint Ltd. (Boyé) 25.80 % Management 11.70 %	<b>Key Figures (WRe):</b> 2025e Beta: 1.5 Price / Book: 7.3 x Equity Ratio: 12 %

## Success of restructuring now evident

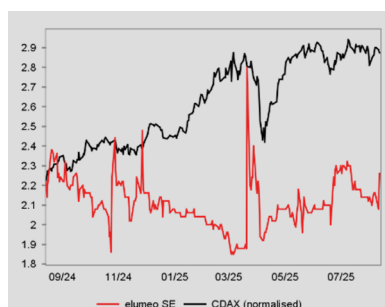
### Stated Figures Q2/2025:

in EURm	Q2 2025	Q2 2024	% change	H1 2025	% change
<b>Sales</b>	9.16	11.18	<b>-18.1%</b>	<b>20.24</b>	<b>-10.1%</b>
<b>Gross profit</b>	4.38	5.55	<b>-21.1%</b>	<b>9.33</b>	<b>-15.5%</b>
<b>Gross profit margin</b>	47.8%	49.6%		<b>46.1%</b>	
<b>EBITDA</b>	-0.46	-0.25		<b>-1.10</b>	
<b>EBITDA-margin</b>	-5.0%	-2.2%		<b>-5.4%</b>	
<b>adj. EBITDA</b>	0.07	0.18	<b>-59.0%</b>	<b>-0.48</b>	<b>&gt;-100%</b>
<b>adj. EBITDA-margin</b>	0.8%	1.6%		<b>-2.4%</b>	

### Comment on Figures:

- The sales decline of 18% reflected the combined impact of the reduction in live hours by a third, the reduction in low-margin entry price-points and a weak economy. Bearing in mind that in the reduced live hours alone, elumeo used to generate 19% of sales, this is a solid showing and in line with our expectations.
- While there was a gross-margin decline yoy due to higher precious metals prices, the margin showed a sequential improvement of 3pp, reflecting the change in pricing strategy and less discounting.
- Operating expenses declined 16% or nearly EUR 0.9m in Q2. Adjusting for the cost of the restructuring, costs declined by as much as 24% in the quarter. Thus, elumeo delivered a positive adj. EBITDA in Q2 after a loss of more than EUR 0.5m in Q1.

- Elumeo's restructuring is progressing according to plan, and the company returned to profitability on an adjusted EBITDA basis in the quarter. Even better, early indications point to further improvement in Q3. Firstly, sales declined by less than 10% in early Q3. The webshop returned to 3% growth in Q2 and now accounts for 39% of sales. This underscores that the reason for Elumeo's challenges is related to the significant cord-cutting by cable TV viewers following a regulatory change in Germany last year (live TV sales declined by 27% in Q2). Management reported a positive reception of new merchandise, which particularly bolstered margins in June. We are therefore confident that, with an increasing share of new merchandise, the gross margin should continue to rise and return to its historical level of around 50%. Bearing in mind that profitability should continue to increase in H2, the company is well on track to deliver on its guidance of an adjusted EBITDA loss of no more than EUR -0.5m. Indeed, management even raised the upper end of the guidance by EUR 100k to up to EUR +0.1m in adjusted EBITDA.
- Beyond 2025, international sales should increasingly contribute to sales as management is expanding the reach and will add further markets. Thus, international sales crossed an annualised level of EUR 1m for the first time in Q2, growing by 9% qoq. Elumeo continues to expand its international reach and plans to add Poland as the next market.
- Although management can obviously not disclose its legal strategy for securing claims for overpaid-fee against a cable operator, the case remains on track and we continue to expect a successful resolution for Elumeo.
- On the back of the expectation of continued margin progress, we reiterate our Buy rating and confirm our estimates.



### Rel. Performance vs CDAX:

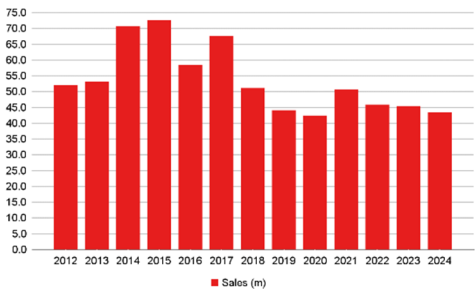
1 month:	-0.6 %
6 months:	9.3 %
Year to date:	-8.9 %
Trailing 12 months:	-28.2 %

### Company events:

12.11.25 Q3

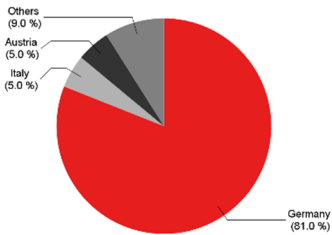
FY End: 31.12. in EUR m	CAGR (24-27e)	2021	2022	2023	2024	2025e	2026e	2027e
<b>Sales</b>	0.5 %	50.7	45.8	45.4	43.4	39.0	41.0	44.0
Change Sales yoy		19.5 %	-9.5 %	-1.0 %	-4.4 %	-10.1 %	5.1 %	7.3 %
<b>Gross profit margin</b>		57.0 %	54.9 %	50.0 %	47.1 %	47.0 %	49.0 %	49.5 %
<b>EBITDA adj.</b>	-	4.9	2.2	-0.4	-0.8	-0.4	2.3	2.8
Margin		9.7 %	4.8 %	-0.8 %	-1.9 %	-1.0 %	5.6 %	6.4 %
<b>EBIT</b>	-	2.0	-1.4	-2.9	-3.3	-2.1	1.7	2.2
Margin		3.9 %	-3.1 %	-6.3 %	-7.6 %	-5.3 %	4.0 %	4.9 %
<b>Net income</b>	-	5.4	-3.3	-1.1	-4.4	-2.3	1.4	2.0
<b>EPS</b>	-	0.99	-0.60	-0.19	-0.77	-0.38	0.24	0.33
<b>EPS adj.</b>	-	0.51	-0.12	-0.50	-0.68	-0.33	0.24	0.33
<b>DPS</b>	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dividend Yield		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>FCFPS</b>		0.15	-0.27	0.01	-0.04	-0.15	0.17	0.35
<b>EV / Sales</b>		0.7 x	0.5 x	0.3 x	0.3 x	0.4 x	0.3 x	n.a.
<b>EV / EBITDA</b>		11.8 x	n.a.	n.a.	n.a.	n.a.	6.2 x	n.a.
<b>EV / EBIT</b>		17.4 x	n.a.	n.a.	n.a.	n.a.	8.7 x	n.a.
<b>P / E</b>		6.7 x	n.a.	n.a.	n.a.	n.a.	9.4 x	6.9 x
<b>P / E adj.</b>		13.0 x	n.a.	n.a.	n.a.	n.a.	9.4 x	6.9 x
<b>FCF Potential Yield</b>		17.6 %	-12.9 %	-17.0 %	-27.9 %	-11.2 %	13.8 %	n.a.
<b>Net Financial Debt</b>		-2.8	-1.4	-0.2	0.1	1.4	0.8	-0.9
<b>ROE</b>		60.3 %	-27.0 %	-11.8 %	-72.7 %	-76.4 %	56.1 %	46.0 %
<b>ROCE (NOPAT)</b>		64.2 %	n.a.	n.a.	n.a.	n.a.	41.6 %	47.4 %
<b>Guidance:</b>	2025: adj. EBITDA of EUR -0.5m to EUR 0.1m							

Sales  
in EUR m



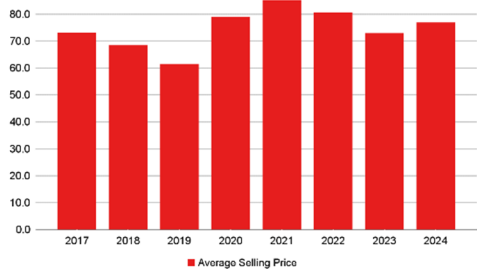
Source: Warburg Research

Sales by regions  
2024 in %



Source: Warburg Research

average selling price  
in EUR



Source: Warburg Research

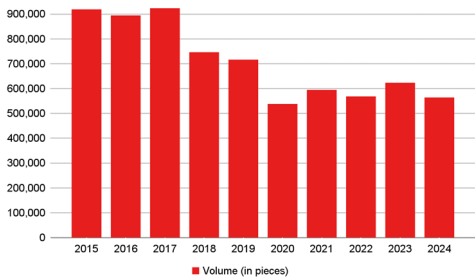
Company Background

- Elumeo is a precious jewellery retailer offering a broad range of gemstones mostly in the price range of EUR 25 to EUR 1,000. Products priced at more than EUR 1,000 generate about 15% of sales.
- Elumeo is a multi-channel retailer. Revenues generated in the live business, shows broadcasted via TV and internet amount to over 60% of sales while e-commerce generates around 30%.
- On its TV channels, Elumeo sells its products exclusively in a Dutch auction-like process. The auction starts with a high price, which is gradually lowered until customers bid at a price level they deem attractive.
- Elumeo has a range of collections targeting a variety of target customers with specific design elements.
- Due to the vertically integrated structure, elumeo is the price leader in (online-) jewellery.

Competitive Quality

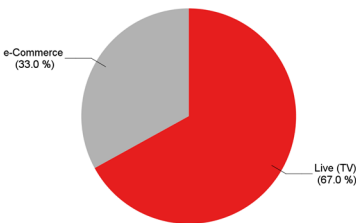
- Elumeo's vertically integrated business model cuts out several steps in the supply chain. It uses its cost leadership for a price differentiation to peers and prices are significantly lower than the competition.
- The integration of design and production processes in combination with distribution via a proprietary TV channel represent high barriers to entry. This model ensures very short lead times and a wide product assortment.
- The auction process leads to a higher customer engagement while the limited product availability coupled with the continuous supply of "fresh" merchandise prompts frequent purchases.
- The internet is already responsible for attracting about 60% of new customers. Structural growth of the internet sales channel should also be a major driver of growth for the company.

pieces sold



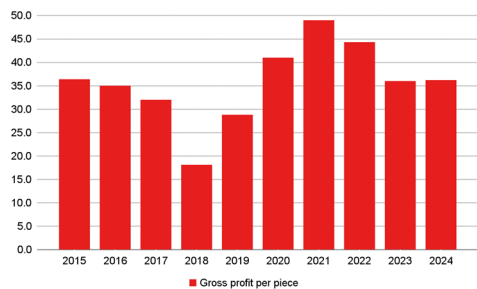
Source: Warburg Research

Sales by channel  
2024; in %



Source: Warburg Research

Gross profit per piece  
in EUR



Source: Warburg Research

## DCF model

Figures in EUR m	Detailed forecast period			Transitional period										Term. Value
	2025e	2026e	2027e	2028e	2029e	2030e	2031e	2032e	2033e	2034e	2035e	2036e	2037e	
Sales	39.0	41.0	44.0	47.5	50.8	53.9	56.6	59.4	62.4	65.5	68.8	72.2	73.7	2.0 %
Sales change	-10.1 %	5.1 %	7.3 %	8.0 %	7.0 %	6.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	2.0 %	
EBIT	-1.1	1.7	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.4	3.6	3.7	5.0 %
EBIT-margin	-2.7 %	4.0 %	4.9 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	
Tax rate (EBT)	-89.0 %	0.0 %	3.5 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %
NOPAT	-2.0	1.7	2.1	2.3	2.4	2.6	2.7	2.8	3.0	3.1	3.3	3.4	3.5	
Depreciation	0.7	0.7	0.7	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.4	1.4	1.5	2.0 %
in % of Sales	1.7 %	1.6 %	1.5 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	
Changes in provisions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Change in Liquidity from														
- Working Capital	0.0	0.0	0.0	1.8	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.2	0.2
- Capex	0.1	0.1	0.3	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.4	1.4	1.5	
Capex in % of Sales	0.2 %	0.3 %	0.6 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %
- Other	0.4	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Free Cash Flow (WACC Model)	-1.9	1.7	2.1	0.4	1.9	2.1	2.3	2.4	2.5	2.6	2.8	2.9	3.3	3
PV of FCF	-1.8	1.4	1.6	0.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.9	8
share of PVs	6.85 %			51.70 %										41.44 %

## Model parameter

Derivation of WACC:		Derivation of Beta:	
Debt ratio	0.00 %	Financial Strength	1.50
Cost of debt (after tax)	3.8 %	Liquidity (share)	3.00
Market return	8.25 %	Cyclicality	1.00
Risk free rate	2.75 %	Transparency	1.10
		Others	1.00
<b>WACC</b>	<b>11.11 %</b>	<b>Beta</b>	<b>1.52</b>

## Valuation (m)

Present values 2037e	11		
Terminal Value	8		
Financial liabilities	2		
Pension liabilities	0		
Hybrid capital	0		
Minority interest	0		
Market val. of investments	5		
Liquidity	2	No. of shares (m)	5.9
<b>Equity Value</b>	<b>23</b>	<b>Value per share (EUR)</b>	<b>3.90</b>

## Sensitivity Value per Share (EUR)

Terminal Growth									Delta EBIT-margin								
Beta	WACC	1.04 %	1.54 %	1.79 %	2.04 %	2.29 %	2.54 %	3.04 %	Beta	WACC	-5.0 pp	-1.0 pp	-0.5 pp	+0.0 pp	+0.5 pp	+1.0 pp	+5.0 pp
1.79	12.6 %	3.29	3.33	3.35	3.37	3.40	3.42	3.47	1.79	12.6 %	-0.67	2.56	2.97	3.37	3.78	4.18	7.42
1.70	12.1 %	3.44	3.48	3.51	3.53	3.56	3.59	3.65	1.70	12.1 %	-0.70	2.69	3.11	3.53	3.95	4.38	7.76
1.61	11.6 %	3.60	3.65	3.68	3.71	3.74	3.77	3.84	1.61	11.6 %	-0.72	2.82	3.26	3.71	4.15	4.59	8.14
1.52	11.1 %	3.78	3.84	3.87	3.90	3.94	3.98	4.06	1.52	11.1 %	-0.75	2.97	3.44	3.90	4.37	4.83	8.55
1.43	10.6 %	3.97	4.04	4.08	4.12	4.16	4.21	4.31	1.43	10.6 %	-0.78	3.14	3.63	4.12	4.61	5.10	9.02
1.34	10.1 %	4.19	4.27	4.32	4.37	4.42	4.47	4.60	1.34	10.1 %	-0.81	3.33	3.85	4.37	4.88	5.40	9.54
1.25	9.6 %	4.43	4.53	4.59	4.64	4.71	4.77	4.92	1.25	9.6 %	-0.85	3.55	4.10	4.64	5.19	5.74	10.13

- We expect a return to mid single-digit sales growth and assume 2% growth in the terminal value
- The group EBITDA margin should approach the 10%-level, ca. 2/3 of the historical peak margin of 15% in Germany (2014)
- We assume a beta of 1.5 to account for the low liquidity and the execution risk for the gross margin increase
- More than EUR 50m tax loss carry-forwards are not recognized as tax assets, thus the low tax rate in the outer years

## Free Cash Flow Value Potential

Warburg Research's valuation tool "FCF Value Potential" reflects the ability of the company to generate sustainable free cash flows. It is based on the "FCF potential" - a FCF "ex growth" figure - which assumes unchanged working capital and pure maintenance capex. A value indication is derived via the perpetuity of a given year's "FCF potential" with consideration of the weighted costs of capital. The fluctuating value indications over time add a timing element to the DCF model (our preferred valuation tool).

in EUR m	2021	2022	2023	2024	2025e	2026e	2027e	
Net Income before minorities	5.4	-3.4	-3.3	-4.4	-2.3	1.4	n.a.	
+ Depreciation + Amortisation	1.0	0.9	0.9	0.7	0.7	0.7	n.a.	
- Net Interest Income	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1	n.a.	
- Maintenance Capex	0.4	0.4	0.4	0.3	0.3	0.3	n.a.	
+ Other	0.0	0.0	0.0	0.0	0.0	0.0	n.a.	
<b>= Free Cash Flow Potential</b>	<b>6.1</b>	<b>-2.8</b>	<b>-2.6</b>	<b>-3.8</b>	<b>-1.7</b>	<b>2.0</b>	<b>n.a.</b>	
FCF Potential Yield (on market EV)	17.6 %	-12.9 %	-17.0 %	-27.9 %	-11.2 %	13.8 %	n/a	
WACC	11.11 %	11.11 %	11.11 %	11.11 %	11.11 %	11.11 %	11.11 %	
<b>= Enterprise Value (EV)</b>	<b>34.4</b>	<b>21.4</b>	<b>15.5</b>	<b>13.6</b>	<b>14.9</b>	<b>14.3</b>	<b>n.a.</b>	
<b>= Fair Enterprise Value</b>	<b>54.6</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>17.7</b>	<b>n.a.</b>	
- Net Debt (Cash)	2.0	0.4	0.0	0.0	0.0	1.1	n.a.	
- Pension Liabilities	4.5	4.0	0.5	0.1	0.1	0.1	n.a.	
- Other	0.0	0.0	0.0	0.0	0.0	0.0	n.a.	
- Market value of minorities	0.0	0.0	0.0	0.0	0.0	0.0	n.a.	
+ Market value of investments	0.0	0.0	0.0	0.0	0.0	0.0	n.a.	
<b>= Fair Market Capitalisation</b>	<b>48.1</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>16.5</b>	<b>n.a.</b>	
Number of shares, average	5.5	5.5	5.7	5.7	5.9	5.9	5.9	
<b>= Fair value per share (EUR)</b>	<b>8.74</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>2.79</b>	<b>n.a.</b>	
premium (-) / discount (+) in %						23.3 %		
<b>Sensitivity Fair value per Share (EUR)</b>								
WACC	14.11 %	6.63	n.a.	n.a.	n.a.	n.a.	2.32	n.a.
	13.11 %	7.23	n.a.	n.a.	n.a.	n.a.	2.51	n.a.
	12.11 %	7.92	n.a.	n.a.	n.a.	n.a.	2.74	n.a.
	<b>11.11 %</b>	<b>8.74</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>2.79</b>	<b>n.a.</b>
	10.11 %	9.73	n.a.	n.a.	n.a.	n.a.	3.32	n.a.
	9.11 %	10.92	n.a.	n.a.	n.a.	n.a.	3.71	n.a.
	8.11 %	12.42	n.a.	n.a.	n.a.	n.a.	4.20	n.a.

■ We estimate maintenance capex in line with depreciation

Valuation	2021	2022	2023	2024	2025e	2026e	2027e
Price / Book	2.7 x	2.1 x	1.9 x	3.2 x	7.3 x	4.1 x	2.6 x
Book value per share ex intangibles	2.43	1.89	1.39	0.67	0.30	0.55	0.88
EV / Sales	0.7 x	0.5 x	0.3 x	0.3 x	0.4 x	0.3 x	n.a.
EV / EBITDA	11.8 x	n.a.	n.a.	n.a.	n.a.	6.2 x	n.a.
EV / EBIT	17.4 x	n.a.	n.a.	n.a.	n.a.	8.7 x	n.a.
EV / EBIT adj.*	8.7 x	16.9 x	n.a.	n.a.	n.a.	8.7 x	n.a.
P / FCF	44.0 x	n.a.	200.5 x	n.a.	n.a.	13.2 x	6.4 x
P / E	6.7 x	n.a.	n.a.	n.a.	n.a.	9.4 x	6.9 x
P / E adj.*	13.0 x	n.a.	n.a.	n.a.	n.a.	9.4 x	6.9 x
Dividend Yield	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
FCF Potential Yield (on market EV)	17.6 %	-12.9 %	-17.0 %	-27.9 %	-11.2 %	13.8 %	n.a.
*Adjustments made for: -							

Company Specific Items	2021	2022	2023	2024	2025e	2026e	2027e
Active Customers	81,328	75,195	82,911	72,000	74,160	81,576	89,734
Revenue per Customer	623.12	609.67	547.00	0.00	0.00	0.00	0.00
Average Selling Price	85.21	80.66	73.00	76.93	98.78	98.90	101.09
Volume (in pieces)	594,730	568,344	623,371	564,000	394,800	414,540	435,267
Gross profit per piece	49.00	44.32	36.00	36.21	46.43	48.46	50.04

## Consolidated profit and loss

In EUR m	2021	2022	2023	2024	2025e	2026e	2027e
<b>Sales</b>	<b>50.7</b>	<b>45.8</b>	<b>45.4</b>	<b>43.4</b>	<b>39.0</b>	<b>41.0</b>	<b>44.0</b>
Change Sales yoy	19.5 %	-9.5 %	-1.0 %	-4.4 %	-10.1 %	5.1 %	7.3 %
COGS	21.8	20.7	22.7	23.0	20.7	20.9	22.2
<b>Gross profit</b>	<b>28.9</b>	<b>25.2</b>	<b>22.7</b>	<b>20.4</b>	<b>18.3</b>	<b>20.1</b>	<b>21.8</b>
<i>Gross margin</i>	<i>57.0 %</i>	<i>54.9 %</i>	<i>50.0 %</i>	<i>47.1 %</i>	<i>47.0 %</i>	<i>49.0 %</i>	<i>49.5 %</i>
Research and development	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sales and marketing	18.7	18.0	16.9	16.2	13.7	12.7	13.5
Administration expenses	8.5	8.8	8.9	7.7	6.5	5.5	5.9
Other operating expenses	0.1	0.4	0.6	0.1	0.2	0.2	0.2
Other operating income	0.5	0.6	0.9	0.3	0.0	0.0	0.0
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>EBITDA</b>	<b>2.9</b>	<b>-0.5</b>	<b>-2.0</b>	<b>-2.5</b>	<b>-1.4</b>	<b>2.3</b>	<b>2.8</b>
<i>Margin</i>	<i>5.8 %</i>	<i>-1.0 %</i>	<i>-4.3 %</i>	<i>-5.9 %</i>	<i>-3.6 %</i>	<i>5.6 %</i>	<i>6.4 %</i>
Depreciation of fixed assets	1.0	0.9	0.9	0.7	0.7	0.7	0.7
<b>EBITDA adj.</b>	<b>4.9</b>	<b>2.2</b>	<b>-0.4</b>	<b>-0.8</b>	<b>-0.4</b>	<b>2.3</b>	<b>2.8</b>
<i>Margin</i>	<i>9.7 %</i>	<i>4.8 %</i>	<i>-0.8 %</i>	<i>-1.9 %</i>	<i>-1.0 %</i>	<i>5.6 %</i>	<i>6.4 %</i>
Goodwill amortisation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>EBIT</b>	<b>2.0</b>	<b>-1.4</b>	<b>-2.9</b>	<b>-3.3</b>	<b>-2.1</b>	<b>1.7</b>	<b>2.2</b>
<i>Margin</i>	<i>3.9 %</i>	<i>-3.1 %</i>	<i>-6.3 %</i>	<i>-7.6 %</i>	<i>-5.3 %</i>	<i>4.0 %</i>	<i>4.9 %</i>
<b>EBIT adj.</b>	<b>4.0</b>	<b>1.3</b>	<b>-1.3</b>	<b>-1.6</b>	<b>-1.1</b>	<b>1.7</b>	<b>2.2</b>
Interest income	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Interest expenses	0.1	0.1	0.1	0.2	0.2	0.2	0.1
Other financial income (loss)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>EBT</b>	<b>1.9</b>	<b>-1.5</b>	<b>-3.0</b>	<b>-3.5</b>	<b>-2.3</b>	<b>1.5</b>	<b>2.1</b>
<i>Margin</i>	<i>3.8 %</i>	<i>-3.2 %</i>	<i>-6.5 %</i>	<i>-8.0 %</i>	<i>-5.8 %</i>	<i>3.7 %</i>	<i>4.7 %</i>
Total taxes	-3.5	1.9	0.3	1.0	0.0	0.1	0.1
<b>Net income from continuing operations</b>	<b>5.4</b>	<b>-3.4</b>	<b>-3.3</b>	<b>-4.4</b>	<b>-2.3</b>	<b>1.4</b>	<b>2.0</b>
Income from discontinued operations (net of tax)	0.0	0.1	2.2	0.0	0.0	0.0	0.0
<b>Net income before minorities</b>	<b>5.4</b>	<b>-3.3</b>	<b>-1.1</b>	<b>-4.4</b>	<b>-2.3</b>	<b>1.4</b>	<b>2.0</b>
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Net income</b>	<b>5.4</b>	<b>-3.3</b>	<b>-1.1</b>	<b>-4.4</b>	<b>-2.3</b>	<b>1.4</b>	<b>2.0</b>
<i>Margin</i>	<i>10.7 %</i>	<i>-7.2 %</i>	<i>-2.4 %</i>	<i>-10.2 %</i>	<i>-5.8 %</i>	<i>3.5 %</i>	<i>4.4 %</i>
Number of shares, average	5.5	5.5	5.7	5.7	5.9	5.9	5.9
<b>EPS</b>	<b>0.99</b>	<b>-0.60</b>	<b>-0.19</b>	<b>-0.77</b>	<b>-0.38</b>	<b>0.24</b>	<b>0.33</b>
EPS adj.	0.51	-0.12	-0.50	-0.68	-0.33	0.24	0.33

\*Adjustments made for:

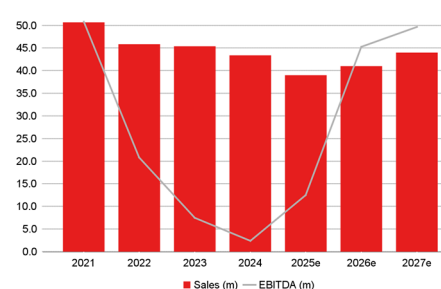
**Guidance: 2025: adj. EBITDA of EUR -0.5m to EUR 0.1m**

## Financial Ratios

	2021	2022	2023	2024	2025e	2026e	2027e
Total Operating Costs / Sales	54.0 %	59.2 %	58.2 %	55.3 %	52.3 %	45.0 %	44.6 %
Operating Leverage	30.0 x	n.a.	-103.8 x	-3.4 x	3.6 x	n.a.	4.1 x
EBITDA / Interest expenses	50.5 x	n.m.	n.m.	n.m.	n.m.	15.3 x	28.0 x
Tax rate (EBT)	-183.0 %	-131.5 %	-10.9 %	-27.5 %	0.0 %	5.0 %	5.0 %
Dividend Payout Ratio	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sales per Employee	227,251	205,578	n.a.	n.a.	n.a.	n.a.	n.a.

### Sales, EBITDA

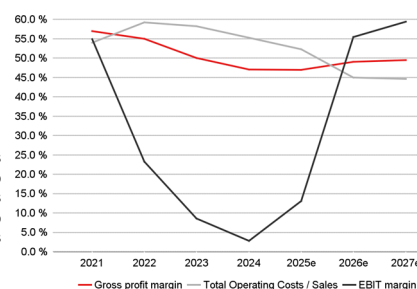
in EUR m



Source: Warburg Research

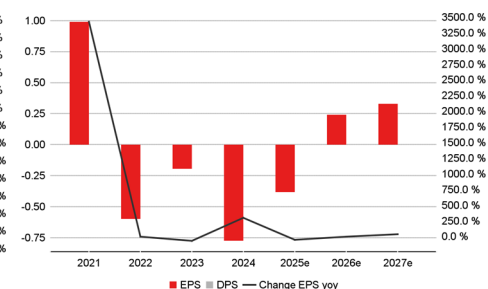
### Operating Performance

in %



Source: Warburg Research

### Performance per Share



Source: Warburg Research

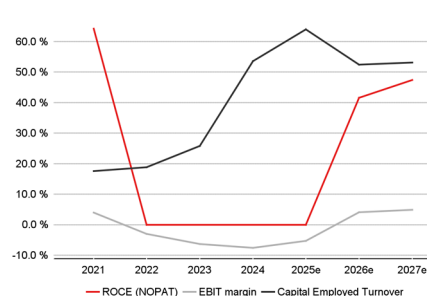
## Consolidated balance sheet

In EUR m	2021	2022	2023	2024	2025e	2026e	2027e
<b>Assets</b>							
Goodwill and other intangible assets	0.3	0.3	0.2	0.1	0.1	0.0	0.0
thereof other intangible assets	0.3	0.3	0.2	0.1	0.1	0.0	0.0
thereof Goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Property, plant and equipment	1.2	0.8	0.4	0.3	0.2	0.1	0.1
Financial assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other long-term assets	2.4	2.3	2.0	1.5	1.1	0.7	0.3
<b>Fixed assets</b>	<b>3.9</b>	<b>3.3</b>	<b>2.6</b>	<b>1.9</b>	<b>1.3</b>	<b>0.8</b>	<b>0.4</b>
Inventories	13.1	13.0	13.2	11.5	10.1	10.7	11.4
Accounts receivable	2.3	1.7	2.3	1.9	1.6	1.6	1.8
Liquid assets	2.8	1.4	1.3	1.7	0.4	1.0	2.7
Other short-term assets	1.6	1.1	1.1	0.8	0.8	0.8	0.8
<b>Current assets</b>	<b>19.8</b>	<b>17.3</b>	<b>18.0</b>	<b>15.8</b>	<b>12.9</b>	<b>14.1</b>	<b>16.7</b>
<b>Total Assets</b>	<b>27.9</b>	<b>22.7</b>	<b>22.2</b>	<b>18.5</b>	<b>15.0</b>	<b>15.6</b>	<b>17.7</b>
<b>Liabilities and shareholders' equity</b>							
<b>Total equity</b>	<b>13.7</b>	<b>11.2</b>	<b>8.1</b>	<b>4.1</b>	<b>1.8</b>	<b>3.3</b>	<b>5.2</b>
Provisions	4.0	3.4	2.6	2.1	1.7	1.3	0.9
thereof provisions for pensions and similar obligations	0.5	0.1	0.1	0.1	0.1	0.1	0.1
Financial liabilities (total)	0.0	0.0	1.1	1.8	1.8	1.8	1.8
Short-term financial liabilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Accounts payable	5.9	4.9	8.0	8.7	7.8	7.4	7.9
Other liabilities	4.3	3.3	2.4	1.9	1.9	1.9	1.9
<b>Liabilities</b>	<b>14.2</b>	<b>11.6</b>	<b>14.1</b>	<b>14.4</b>	<b>13.2</b>	<b>12.4</b>	<b>12.5</b>
<b>Total liabilities and shareholders' equity</b>	<b>27.9</b>	<b>22.7</b>	<b>22.2</b>	<b>18.5</b>	<b>15.0</b>	<b>15.6</b>	<b>17.7</b>

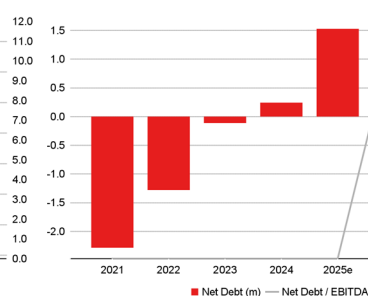
## Financial Ratios

	2021	2022	2023	2024	2025e	2026e	2027e
<b>Efficiency of Capital Employment</b>							
Operating Assets Turnover	4.8 x	4.3 x	5.7 x	8.7 x	9.6 x	8.2 x	8.2 x
Capital Employed Turnover	4.4 x	4.6 x	5.7 x	10.0 x	11.6 x	9.8 x	9.9 x
ROA	138.6 %	-98.6 %	-42.8 %	-232.0 %	-173.5 %	184.1 %	519.0 %
<b>Return on Capital</b>							
ROCE (NOPAT)	64.2 %	n.a.	n.a.	n.a.	n.a.	41.6 %	47.4 %
ROE	60.3 %	-27.0 %	-11.8 %	-72.7 %	-76.4 %	56.1 %	46.0 %
Adj. ROE	31.3 %	-5.5 %	-29.9 %	-64.2 %	-66.3 %	56.1 %	46.0 %
<b>Balance sheet quality</b>							
Net Debt	-2.3	-1.3	-0.1	0.2	1.5	0.9	-0.8
Net Financial Debt	-2.8	-1.4	-0.2	0.1	1.4	0.8	-0.9
Net Gearing	-16.7 %	-11.4 %	-1.4 %	5.9 %	83.4 %	28.0 %	-14.9 %
Net Fin. Debt / EBITDA	n.a.	n.a.	n.a.	n.a.	n.a.	34.1 %	n.a.
Book Value / Share	2.5	1.9	1.4	0.7	0.3	0.6	0.9
Book value per share ex intangibles	2.4	1.9	1.4	0.7	0.3	0.5	0.9

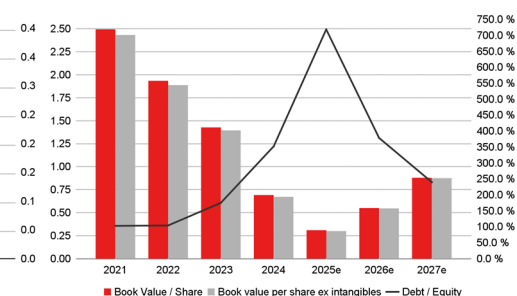
## ROCE Development



## Net debt in EUR m



## Book Value per Share in EUR



Source: Warburg Research

Source: Warburg Research

Source: Warburg Research

## Consolidated cash flow statement

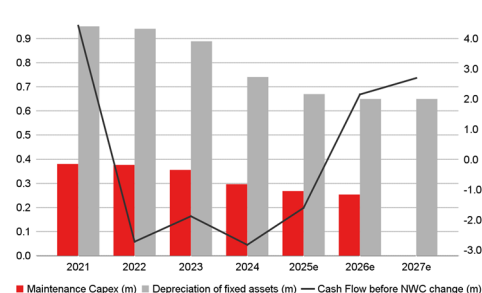
In EUR m	2021	2022	2023	2024	2025e	2026e	2027e
Net income	5.4	-3.3	-1.1	-4.4	-2.3	1.4	2.0
Depreciation of fixed assets	1.0	0.9	0.9	0.7	0.7	0.7	0.7
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Increase/decrease in long-term provisions	-2.4	-2.1	-0.2	0.0	0.0	0.0	0.0
Other non-cash income and expenses	0.5	1.8	-1.5	0.9	0.0	0.1	0.1
<b>Cash Flow before NWC change</b>	<b>4.4</b>	<b>-2.7</b>	<b>-1.9</b>	<b>-2.8</b>	<b>-1.6</b>	<b>2.2</b>	<b>2.7</b>
Increase / decrease in inventory	-1.0	0.1	-0.1	1.7	1.3	-0.5	-0.8
Increase / decrease in accounts receivable	-1.6	1.3	-0.9	1.0	0.3	-0.1	-0.1
Increase / decrease in accounts payable	-0.6	-0.1	3.0	0.0	-0.9	-0.4	0.5
Increase / decrease in other working capital positions	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Increase / decrease in working capital (total)	-3.2	1.3	2.0	2.7	0.8	-1.0	-0.4
<b>Net cash provided by operating activities [1]</b>	<b>1.2</b>	<b>-1.4</b>	<b>0.1</b>	<b>-0.1</b>	<b>-0.8</b>	<b>1.1</b>	<b>2.3</b>
Investments in intangible assets	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Investments in property, plant and equipment	0.4	0.1	0.0	0.1	0.1	0.1	0.2
Payments for acquisitions	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Financial investments	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Income from asset disposals	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Net cash provided by investing activities [2]</b>	<b>-0.4</b>	<b>-0.1</b>	<b>0.0</b>	<b>-0.1</b>	<b>-0.1</b>	<b>-0.1</b>	<b>-0.3</b>
Change in financial liabilities	-0.4	-0.4	0.1	0.1	-0.4	-0.4	-0.4
Dividends paid	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Purchase of own shares	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capital measures	0.0	0.6	0.0	0.5	0.0	0.0	0.0
Other	0.0	-0.3	0.0	0.0	0.0	0.0	0.0
<b>Net cash provided by financing activities [3]</b>	<b>-0.4</b>	<b>-0.2</b>	<b>0.1</b>	<b>0.6</b>	<b>-0.4</b>	<b>-0.4</b>	<b>-0.4</b>
<b>Change in liquid funds [1]+[2]+[3]</b>	<b>0.5</b>	<b>-1.7</b>	<b>0.1</b>	<b>0.3</b>	<b>-1.3</b>	<b>0.6</b>	<b>1.7</b>
Effects of exchange-rate changes on cash	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
<b>Cash and cash equivalent at end of period</b>	<b>2.8</b>	<b>1.4</b>	<b>1.3</b>	<b>1.7</b>	<b>0.4</b>	<b>1.0</b>	<b>2.7</b>

## Financial Ratios

	2021	2022	2023	2024	2025e	2026e	2027e
<b>Cash Flow</b>							
FCF	0.8	-1.5	0.1	-0.2	-0.9	1.0	2.1
Free Cash Flow / Sales	1.6 %	-3.2 %	0.2 %	-0.5 %	-2.3 %	2.5 %	4.8 %
Free Cash Flow Potential	6.1	-2.8	-2.6	-3.8	-1.7	2.0	n.a.
Free Cash Flow / Net Profit	15.3 %	45.0 %	-7.1 %	4.7 %	39.1 %	71.0 %	107.3 %
Interest Received / Avg. Cash	0.2 %	0.2 %	0.3 %	0.3 %	0.4 %	0.6 %	0.2 %
Interest Paid / Avg. Debt	n.a.	n.a.	18.6 %	14.6 %	11.3 %	8.5 %	5.7 %
<b>Management of Funds</b>							
Investment ratio	0.7 %	0.1 %	0.0 %	0.2 %	0.2 %	0.3 %	0.6 %
Maint. Capex / Sales	0.8 %	0.8 %	0.8 %	0.7 %	0.7 %	0.6 %	n.a.
Capex / Dep	37.4 %	6.3 %	1.8 %	10.7 %	10.4 %	18.5 %	38.5 %
Avg. Working Capital / Sales	15.8 %	21.0 %	19.1 %	14.1 %	11.0 %	10.8 %	11.6 %
Trade Debtors / Trade Creditors	38.1 %	34.6 %	29.4 %	21.4 %	20.0 %	22.2 %	22.2 %
Inventory Turnover	1.7 x	1.6 x	1.7 x	2.0 x	2.0 x	2.0 x	1.9 x
Receivables collection period (days)	16	14	19	16	15	15	15
Payables payment period (days)	100	87	128	138	138	129	130
Cash conversion cycle (Days)	137	157	103	60	56	72	72

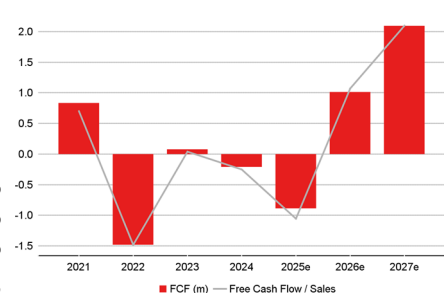
## CAPEX and Cash Flow

in EUR m



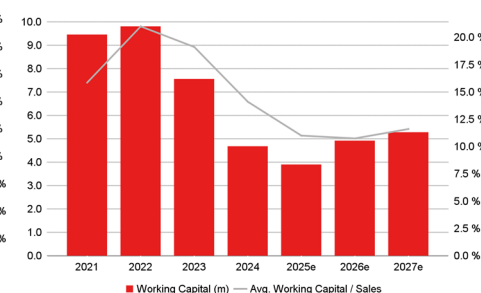
Source: Warburg Research

## Free Cash Flow Generation



Source: Warburg Research

## Working Capital



Source: Warburg Research



## LEGAL DISCLAIMER

This research report ("investment recommendation") was prepared by the Warburg Research GmbH, a fully owned subsidiary of the M.M.Warburg & CO (AG & Co.) KGaA and is passed on by the M.M.Warburg & CO (AG & Co.) KGaA. It is intended solely for the recipient and may not be passed on to another company without their prior consent, regardless of whether the company is part of the same corporation or not. It contains selected information and does not purport to be complete. The investment recommendation is based on publicly available information and data ("information") believed to be accurate and complete. Warburg Research GmbH neither examines the information for accuracy and completeness, nor guarantees its accuracy and completeness. Possible errors or incompleteness of the information do not constitute grounds for liability of M.M.Warburg & CO (AG & Co.) KGaA or Warburg Research GmbH for damages of any kind whatsoever, and M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are not liable for indirect and/or direct and/or consequential damages. In particular, neither M.M.Warburg & CO (AG & Co.) KGaA nor Warburg Research GmbH are liable for the statements, plans or other details contained in these investment recommendations concerning the examined companies, their affiliated companies, strategies, economic situations, market and competitive situations, regulatory environment, etc. Although due care has been taken in compiling this investment recommendation, it cannot be excluded that it is incomplete or contains errors. M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH, their shareholders and employees are not liable for the accuracy and completeness of the statements, estimations and the conclusions derived from the information contained in this investment recommendation. Provided a investment recommendation is being transmitted in connection with an existing contractual relationship, i.e. financial advisory or similar services, the liability of M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH shall be restricted to gross negligence and wilful misconduct. In case of failure in essential tasks, M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are liable for normal negligence. In any case, the liability of M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH is limited to typical, expectable damages. This investment recommendation does not constitute an offer or a solicitation of an offer for the purchase or sale of any security. Partners, directors or employees of M.M.Warburg & CO (AG & Co.) KGaA, Warburg Research GmbH or affiliated companies may serve in a position of responsibility, i.e. on the board of directors of companies mentioned in the report. Opinions expressed in this investment recommendation are subject to change without notice. The views expressed in this research report accurately reflect the research analyst's personal views about the subject securities and issuers. Unless otherwise specified in the research report, no part of the research analyst's compensation was, is, or will be directly or indirectly related to the specific recommendations or views contained in the research report. All rights reserved.

## COPYRIGHT NOTICE

This work including all its parts is protected by copyright. Any use beyond the limits provided by copyright law without permission is prohibited and punishable. This applies, in particular, to reproductions, translations, microfilming, and storage and processing on electronic media of the entire content or parts thereof.

## DISCLOSURE ACCORDING TO §85 OF THE GERMAN SECURITIES TRADING ACT (WPHG), MAR AND MIFID II INCL. COMMISSION DELEGATED REGULATION (EU) 2016/958 AND (EU) 2017/565

The valuation underlying the investment recommendation for the company analysed here is based on generally accepted and widely used methods of fundamental analysis, such as e.g. DCF Model, Free Cash Flow Value Potential, NAV, Peer Group Comparison or Sum of the Parts Model (see also <http://www.mmwarburg.de/disclaimer/disclaimer.htm#Valuation>). The result of this fundamental valuation is modified to take into consideration the analyst's assessment as regards the expected development of investor sentiment and its impact on the share price.

Independent of the applied valuation methods, there is the risk that the price target will not be met, for instance because of unforeseen changes in demand for the company's products, changes in management, technology, economic development, interest rate development, operating and/or material costs, competitive pressure, supervisory law, exchange rate, tax rate etc. For investments in foreign markets and instruments there are further risks, generally based on exchange rate changes or changes in political and social conditions.

This commentary reflects the opinion of the relevant author at the point in time of its compilation. A change in the fundamental factors underlying the valuation can mean that the valuation is subsequently no longer accurate. Whether, or in what time frame, an update of this commentary follows is not determined in advance.

Additional internal and organisational arrangements to prevent or to deal with conflicts of interest have been implemented. Among these are the spatial separation of Warburg Research GmbH from M.M.Warburg & CO (AG & Co.) KGaA and the creation of areas of confidentiality. This prevents the exchange of information, which could form the basis of conflicts of interest for Warburg Research GmbH in terms of the analysed issuers or their financial instruments.

The analysts of Warburg Research GmbH do not receive a gratuity – directly or indirectly – from the investment banking activities of M.M.Warburg & CO (AG & Co.) KGaA or of any company within the Warburg-Group.

All prices of financial instruments given in this investment recommendation are the closing prices on the last stock-market trading day before the publication date stated, unless another point in time is explicitly stated.

M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are subject to the supervision of the Federal Financial Supervisory Authority, BaFin. M.M.Warburg & CO (AG & Co.) KGaA is additionally subject to the supervision of the European Central Bank (ECB).

## SOURCES

All data and consensus estimates have been obtained from FactSet except where stated otherwise.

### Additional information for clients in the United States

1. This research report (the "Report") is a product of Warburg Research GmbH, Germany, a fully owned subsidiary of M.M.Warburg & CO (AG & Co.) KGaA, Germany (in the following collectively "Warburg"). Warburg is the employer of the research analyst(s), who have prepared the Report. The research analyst(s) reside outside the United States and are not associated persons of any U.S. regulated broker-dealer and therefore are not subject to the supervision of any U.S. regulated broker-dealer.
2. The Report is provided in the United States for distribution solely to "major U.S. institutional investors" under Rule 15a-6 of the U.S. Securities Exchange Act of 1934 by CIC.
3. CIC (Crédit Industriel et Commercial) and M.M.Warburg & CO have concluded a Research Distribution Agreement that gives CIC Market Solutions exclusive distribution in France, the US and Canada of the Warburg Research GmbH research product.
4. The research reports are distributed in the United States of America by CIC ("CIC") pursuant to a SEC Rule 15a-6 agreement with CIC Market Solutions Inc ("CICI"), a U.S. registered broker-dealer and a related company of CIC, and are distributed solely to persons who qualify as "Major U.S. Institutional Investors" as defined in SEC Rule 15a-6 under the Securities Exchange Act of 1934.
5. Any person who is not a Major U.S. Institutional Investor must not rely on this communication. The delivery of this research report to any person in the United States of America is not a recommendation to effect any transactions in the securities discussed herein, or an endorsement of any opinion expressed herein.

### Reference in accordance with section 85 of the German Securities Trading Act (WpHG) and Art. 20 MAR regarding possible conflicts of interest with companies analysed:

- 1- Warburg Research, or an affiliated company, or an employee of one of these companies responsible for the compilation of the research, hold a **share of more than 5%** of the equity capital of the analysed company.
- 2- Warburg Research, or an affiliated company, within the last twelve months participated in the **management of a consortium** for an issue in the course of a public offering of such financial instruments, which are, or the issuer of which is, the subject of the investment recommendation.
- 3- Companies affiliated with Warburg Research **manage financial instruments**, which are, or the issuers of which are, subject of the investment recommendation, in a market based on the provision of buy or sell contracts.
- 4- MMWB, Warburg Research, or an affiliated company, reached an agreement with the issuer to provide **investment banking and/or investment services** and the relevant agreement was in force in the last 12 months or there arose for this period, based on the relevant agreement, the obligation to provide or to receive a service or compensation - provided that this disclosure does not result in the disclosure of confidential business information.
- 5- The company compiling the analysis or an affiliated company had reached an **agreement on the compilation of the investment recommendation** with the analysed company.
- 6a- Warburg Research, or an affiliated company, holds a **net long position of more than 0.5%** of the total issued share capital of the analysed company.
- 6b- Warburg Research, or an affiliated company, holds a **net short position of more than 0.5%** of the total issued share capital of the analysed company.
- 6c- The issuer holds shares of more than 5% of the total issued capital of Warburg Research or an affiliated company.
- 7- The company preparing the analysis as well as its affiliated companies and employees have **other important interests** in relation to the analysed company, such as, for example, the exercising of mandates at analysed companies.

Company	Disclosure	Link to the historical price targets and rating changes (last 12 months)
elumeo	5	<a href="https://www.mmwarburg.com/disclaimer/disclaimer_en/DE000A11Q059.htm">https://www.mmwarburg.com/disclaimer/disclaimer_en/DE000A11Q059.htm</a>

## INVESTMENT RECOMMENDATION

Investment recommendation: expected direction of the share price development of the financial instrument up to the given price target in the opinion of the analyst who covers this financial instrument.

-B-	<b>Buy:</b>	The price of the analysed financial instrument is expected to rise over the next 12 months.
-H-	<b>Hold:</b>	The price of the analysed financial instrument is expected to remain mostly flat over the next 12 months.
-S-	<b>Sell:</b>	The price of the analysed financial instrument is expected to fall over the next 12 months.
“-“	<b>Rating suspended:</b>	The available information currently does not permit an evaluation of the company.

## WARBURG RESEARCH GMBH – ANALYSED RESEARCH UNIVERSE BY RATING

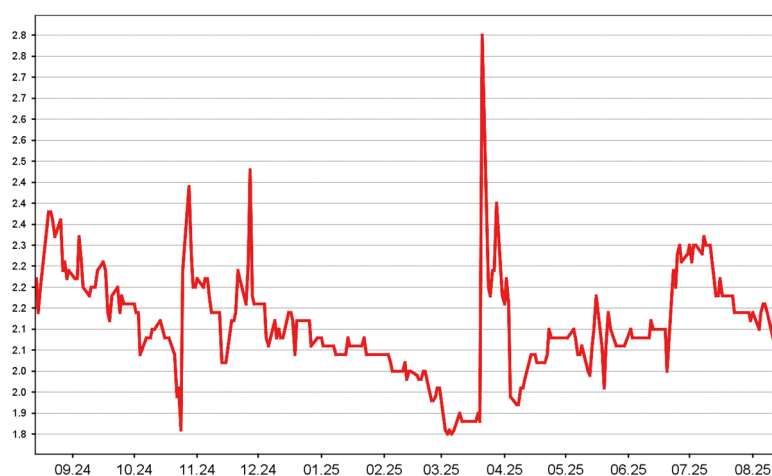
Rating	Number of stocks	% of Universe
Buy	141	71
Hold	50	25
Sell	5	3
Rating suspended	4	2
<b>Total</b>	<b>200</b>	<b>100</b>

## WARBURG RESEARCH GMBH – ANALYSED RESEARCH UNIVERSE BY RATING ...

... taking into account only those companies which were provided with major investment services in the last twelve months.

Rating	Number of stocks	% of Universe
Buy	38	75
Hold	10	20
Sell	1	2
Rating suspended	2	4
<b>Total</b>	<b>51</b>	<b>100</b>

## PRICE AND RATING HISTORY ELUMEO AS OF 13.08.2025



Markings in the chart show rating changes by Warburg Research GmbH in the last 12 months. Every marking details the date and closing price on the day of the rating change.

## EQUITIES

**Matthias Rode** +49 40 3282-2678  
Head of Equities mrode@mmwarburg.com

## RESEARCH

**Henner Rüschemeyer** +49 40 309537-270  
Head of Research hrueschmeier@warburg-research.com

**Stefan Augustin** +49 40 309537-168  
Cap. Goods, Engineering saugustin@warburg-research.com

**Christian Cohrs** +49 40 309537-175  
Industrials & Transportation ccohrs@warburg-research.com

**Dr. Christian Ehmann** +49 40 309537-167  
BioTech, Life Science cehmann@warburg-research.com

**Felix Ellmann** +49 40 309537-120  
Software, IT fellmann@warburg-research.com

**Jörg Philipp Frey** +49 40 309537-258  
Retail, Consumer Goods jfrey@warburg-research.com

**Marius Fuhrberg** +49 40 309537-185  
Financial Services mfuhrberg@warburg-research.com

**Fabio Hölscher** +49 40 309537-240  
Automobiles, Car Suppliers fhoelscher@warburg-research.com

**Philipp Kaiser** +49 40 309537-260  
Real Estate, Construction pkaiser@warburg-research.com

**Thilo Kleibauer** +49 40 309537-257  
Retail, Consumer Goods tkleibauer@warburg-research.com

**Hannes Müller** +49 40 309537-255  
Software, IT hmueller@warburg-research.com

**Andreas Pläsier** +49 40 309537-246  
Banks, Financial Services aplaesier@warburg-research.com

**Malte Schaumann** +49 40 309537-170  
Technology mschaumann@warburg-research.com

**Oliver Schwarz** +49 40 309537-250  
Chemicals, Agriculture oschwarz@warburg-research.com

**Simon Stippig** +49 40 309537-265  
Real Estate, Telco sstippig@warburg-research.com

**Marc-René Tonn** +49 40 309537-259  
Automobiles, Car Suppliers mtonn@warburg-research.com

**Robert-Jan van der Horst** +49 40 309537-290  
Technology rvanderhorst@warburg-research.com

**Andreas Wolf** +49 40 309537-140  
Software, IT awolf@warburg-research.com

## INSTITUTIONAL EQUITY SALES

**Klaus Schilling** +49 69 5050-7400  
Head of Equity Sales, Germany kschilling@mmwarburg.com

**Tim Beckmann** +49 40 3282-2665  
United Kingdom tbeckmann@mmwarburg.com

**Jens Buchmüller** +49 69 5050-7415  
Scandinavia, Austria jbuchmueller@mmwarburg.com

**Matthias Fritsch** +49 40 3282-2696  
United Kingdom, Ireland mfritsch@mmwarburg.com

**Roman Alexander Niklas** +49 69 5050-7412  
Switzerland, Poland, Italy rniklas@mmwarburg.com

**Sascha Propp** +49 40 3282-2656  
France spropp@mmwarburg.com

**Leyan Ilkbahar** +49 40 3282-2695  
Roadshow/Marketing lilkbahar@mmwarburg.com

**Antonia Möller** +49 69 5050-7417  
Roadshow/Marketing amoeller@mmwarburg.com

**Juliane Niemann** +49 40 3282-2694  
Roadshow/Marketing jniemann@mmwarburg.com

## SALES TRADING

**Oliver Merckel** +49 40 3282-2634  
Head of Sales Trading omerckel@mmwarburg.com

**Bastian Quast** +49 40 3282-2701  
Sales Trading bqast@mmwarburg.com

**Christian Salomon** +49 40 3282-2685  
Sales Trading csalomon@mmwarburg.com

## DESIGNATED SPONSORING

**Sebastian Schulz** +49 40 3282-2631  
Designated Sponsoring sschulz@mmwarburg.com

**Jörg Treptow** +49 40 3282-2658  
Designated Sponsoring jtreptow@mmwarburg.com

## MACRO RESEARCH

**Carsten Klude** +49 40 3282-2572  
Macro Research cklude@mmwarburg.com

**Dr. Christian Jasperneite** +49 40 3282-2439  
Investment Strategy cjasperneite@mmwarburg.com

## Our research can be found under:

Warburg Research research.mmwarburg.com/en/index.html  
Bloomberg RESP MMWA GO  
FactSet www.factset.com

LSEG www.lseg.com  
Capital IQ www.capitaliq.com

## For access please contact:

**Andrea Schaper** +49 40 3282-2632  
Sales Assistance aschaper@mmwarburg.com

**Kerstin Muthig** +49 40 3282-2703  
Sales Assistance kmuthig@mmwarburg.com