

Buy	(EUR 10.70)	Value Indicators:	EUR	Warburg ESG Risk Score: ESG Score (MSCI based): Balance Sheet Score: Market Liquidity Score:	<b>1.2</b> 3.0 0.5 0.0	<b>Description:</b> elumeo is a vertically-integral multi-channel, precious jewel retailer	
		Market Snapshot:	EUR m	Shareholders:		Key Figures (WRe):	2023e
		Market cap:	15.7	Freefloat	21.80 %	Beta:	1.4
Price	EUR 2.76	No. of shares (m):	5.7	Blackflint ltd. (Boyé)	26.60 %	Price / Book:	1.5 x
Upside	226.1 %	EV:	14.1	Management	10.90 %	Equity Ratio:	48 %
-		Freefloat MC:	3.4				
		Ø Trad. Vol. (30d):	14.27 th				

## Solid execution and Jooli adds some fantasy

in EURm	Q4 2022	Q4 2021	% change	FY 2022	% change
Sales	11.39	12.97	-12.2%	45.84	-9.6%
Gross profit	6.77	8.13	-16.8%	25.19	-12.8%
Gross profit margin	59.4%	62.7%		54.9%	
selling expenses	4.58	5.47	-16.3%	17.95	-4.2%
admin. expenses	2.87	2.32	23.9%	8.79	5.3%
EBITDA	-0.88	0.63	>-100%	-0.46	>-100%
EBITDA-margin	-7.8%	4.8%		-1.0%	
adj. EBITDA	0.34	2.36	-85.8%	2.20	-54.6%
adj. EBITDA-margin	2.9%	18.2%		4.8%	

#### Comment on Figures:

- Q4 sales decreased 12% yoy, missing our estimates by around EUR 1m as we underestimated the lockdown-related tailwind that was included in the 2021 base.
- The decline in gross profit mostly reflects the headwinds arising from the weaker Euro. The recent strengthening of the currency will only be reflected in gross profit with some time delay.
- Underlying operating costs increased around 10% and thus reflect some inflationary pressure (including the payment of the inflation bonus for employees).
- Lower sales meant that adj. EBITDA was EUR 0.6m below our estimates
- The large difference between reported and adj. EBITDA reflects the employee participation programme, which led to EUR 1.1m one-time expenses in Q4 and on full-year level EUR 1.25m for Jooli.
- Elumeo's Q4 missed our estimates and we cut our DCF-based PT to EUR 9 to reflect the miss. That said, sales have started to increase again sequentially (+4% qoq) and, as there is no meaningful Christmas effect in elumeo's business (mostly woman buying for themselves), this is a promising sign. Furthermore, elumeo continues to outperform the TV-shopping market by a wide margin (22pp) and is performing in line with German online jewellery sales. We are cutting our estimates to reflect the FY 23 guidance for stable sales and adj. EBITDA. As even market-leading online players, such as Zalando, are forecasting a year of transition in 2023, we consider elumeo's outlook to be solid nevertheless.
- The exciting aspect of the equity story in 2023 is however the video shopping app "jooli". The app has now 1256 video channels in India and cumulative views of more than 7.6m (currently monthly 0.5m). Particularly reassuring for the business case is the increase in the daily retention rate from 1.8% in 2021 to currently 9% (April 2023) which confirms the network effects of the addition of new channels. Elumeo is right now in the process of launching a payment app and thereafter the monetization is to start in Q3, making the value of the asset more transparent.

Changes in E	stimates:					
FY End: 31.12. in EUR m	2023e (old)	+/-	2024e (old)	+ / -	2025e (old)	+/-
Sales	53.0	-13.2 %	59.0	-15.3 %	n.a.	n.m.
EBITDA adj.	3.9	-45.7 %	5.0	-40.0 %	n.a.	n.m.
EBT	1.7	n.m.	2.5	-95.8 %	n.a.	n.m.
EPS adj.	0.28	n.m.	0.41	-71.0 %	n.a.	n.m.
Net Debt	-4.9	n.m.	-6.5	n.m.	n.a.	n.m.

Q1

Q2 Q3

AGM

#### Comment on Changes:

- Lower 2022 base factored in (EUR 1.2m sales, EUR 0.6m adj. EBITDA) as well as the slight dilution (177k shares or 3.2%) from the employee participation programme.
- Our 2023 estimates are assuming small underlying sales growth (3%) from the Q4 level. As Q1 2022 still benefitted from lockdown-related tailwinds for e-com, this results in only stable sales.



Rel. Performance vs CDAX:	
1 month:	-1.4 %
6 months:	0.2 %
Year to date:	-21.8 %
Trailing 12 months:	-45.1 %
Company events:	

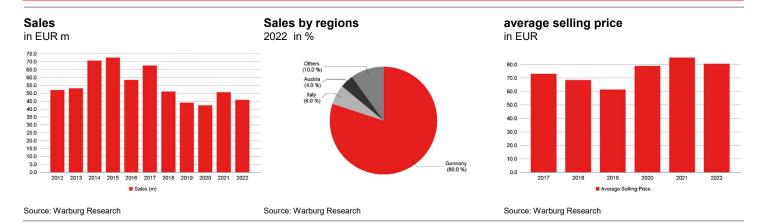
FY End: 31.12.	CAGR							
in EUR m	(22-25e)	2019	2020	2021	2022	2023e	2024e	2025e
Sales	6.3 %	44.1	42.4	50.7	45.8	46.0	50.0	55.0
Change Sales yoy		-13.7 %	-3.8 %	19.5 %	-9.5 %	0.3 %	8.7 %	10.0 %
Gross profit margin		46.8 %	52.4 %	57.0 %	54.9 %	55.5 %	55.5 %	55.5 %
EBITDA adj.	26.8 %	-0.3	0.9	4.9	2.2	2.1	3.0	4.5
Margin		-5.3 %	-0.1 %	7.8 %	2.8 %	2.6 %	4.3 %	6.7 %
EBIT	-	-2.3	0.3	2.0	-1.4	-0.8	0.2	1.7
Margin		-5.3 %	0.7 %	3.9 %	-3.1 %	-1.7 %	0.3 %	3.1 %
Net income	-	-2.6	0.2	5.4	-3.3	-0.6	0.1	1.2
EPS	-	-0.47	0.03	0.99	-0.60	-0.11	0.01	0.21
EPS adj.	-	-0.47	-0.03	0.51	-0.12	0.00	0.12	0.31
DPS	-	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.
FCFPS		0.11	0.40	0.15	-0.27	0.13	0.14	0.29
EV / Sales		0.3 x	0.3 x	0.7 x	0.5 x	0.3 x	0.3 x	0.2 x
EV / EBITDA		n.a.	10.7 x	11.8 x	n.a.	140.7 x	13.7 x	5.0 x
EV / EBIT		n.a.	45.3 x	17.4 x	n.a.	n.a.	91.2 x	7.3 x
P/E		n.a.	73.8 x	6.7 x	n.a.	n.a.	209.3 x	13.2 x
P / E adj.		n.a.	n.a.	13.0 x	n.a.	n.a.	23.2 x	8.8 x
FCF Potential Yield		-6.3 %	6.5 %	17.6 %	-12.9 %	-0.2 %	4.6 %	13.8 %
Net Financial Debt		-0.4	-2.3	-2.8	-1.4	-1.7	-2.1	-3.4
ROE		-47.8 %	3.6 %	60.3 %	-27.0 %	-5.7 %	0.7 %	10.6 %
ROCE (NOPAT)		n.a.	4.1 %	64.2 %	n.a.	n.a.	1.2 %	14.2 %
Guidance:	Stable sales	and low-single	digit EURm	adj. EBITDA	١			

12.05.23

23.06.23

11.08.23



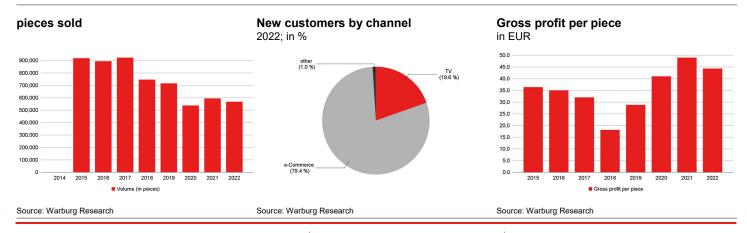


## **Company Background**

- 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.



## elumeo



DCF model														
	Detailed	d forecas	t period				Т	ransition	al period					Term. Value
Figures in EUR m	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	2032e	2033e	2034e	2035e	
Sales	46.0	50.0	55.0	59.4	63.6	67.4	70.7	74.3	78.0	81.9	86.0	90.3	92.1	
Sales change	-9.5 %	0.3 %	8.7 %	8.0 %	7.0 %	6.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	2.0 %	2.0 %
EBIT	1.2	2.2	3.7	4.5	5.1	5.4	5.7	5.9	6.2	6.6	6.9	7.2	7.4	
EBIT-margin	2.6 %	4.3 %	6.7 %	7.5 %	8.0 %	8.0 %	8.0 %	8.0 %	8.0 %	8.0 %	8.0 %	8.0 %	8.0 %	
Tax rate (EBT)	-19.7 %	1.4 %	12.5 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	
NOPAT	1.4	2.1	3.2	4.2	4.8	5.1	5.4	5.6	5.9	6.2	6.5	6.9	7.0	
Depreciation	0.9	0.9	0.8	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.8	
in % of Sales	2.0 %	1.7 %	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	
Change in Liquidity from														
- Working Capital	0.0	0.0	0.0	0.4	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.6	0.3	
- Capex	0.1	0.4	0.4	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.8	
Capex in % of Sales	0.1 %	0.8 %	0.7 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	
- Other	0.4	0.4	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	2.2	3.2	3.8	4.2	4.5	4.9	5.1	5.4	5.6	5.9	6.2	6.7	5
PV of FCF	1.7	1.8	2.5	2.6	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	19
share of PVs		12.54 %						48.30	) %					39.16 %

Model parameter				Valuation (m)			
Derivation of WACC:		Derivation of Beta:		Present values 2034e	29		
				Terminal Value	19		
Debt ratio	0.00 %	Financial Strength	1.20	Financial liabilities	0		
Cost of debt (after tax)	3.8 %	Liquidity (share)	2.50	Pension liabilities	0		
Market return	8.25 %	Cyclicality	1.00	Hybrid capital	0		
Risk free rate	2.75 %	Transparency	1.10	Minority interest	0		
		Others	1.00	Market val. of investments	2		
				Liquidity	1	No. of shares (m)	5.7
WACC	10.23 %	Beta	1.36	Equity Value	51	Value per share (EUR)	9.00

Selis	ilivity va	iue per Sii	are (EUK	)													
		Terminal (	Growth								Delta EBIT	Γ-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
1.63	11.7 %	7.38	7.49	7.54	7.60	7.67	7.73	7.88	1.63	11.7 %	2.37	6.56	7.08	7.60	8.13	8.65	12.84
1.54	11.2 %	7.76	7.88	7.95	8.02	8.09	8.17	8.34	1.54	11.2 %	2.51	6.92	7.47	8.02	8.57	9.12	13.53
1.45	10.7 %	8.18	8.32	8.40	8.48	8.57	8.66	8.87	1.45	10.7 %	2.66	7.32	7.90	8.48	9.07	9.65	14.31
1.36	10.2 %	8.64	8.81	8.91	9.00	9.11	9.22	9.47	1.36	10.2 %	2.83	7.77	8.39	9.00	9.62	10.24	15.18
1.27	9.7 %	9.16	9.36	9.47	9.59	9.72	9.85	10.15	1.27	9.7 %	3.02	8.28	8.94	9.59	10.25	10.91	16.16
1.18	9.2 %	9.74	9.98	10.12	10.26	10.41	10.58	10.95	1.18	9.2 %	3.24	8.86	9.56	10.26	10.96	11.66	17.28
1.09	8.7 %	10.40	10.69	10.85	11.03	11.22	11.42	11.88	1.09	8.7 %	3.50	9.52	10.28	11.03	11.78	12.54	18.56

- We expect a return to mid single-digit sales growth and assume 2% growth in the terminal value
- The group EBITDA margin should reach the 10%-level, less than 70% of the historical peak margin of 15% in Germany (2014)
- We assume a beta of 1.4 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		2019	2020	2021	2022	2023e	2024e	2025e
Net Income before minorities		-2.6	0.2	5.4	-3.4	-0.6	0.1	1.2
+ Depreciation + Amortisation		2.0	0.9	1.0	0.9	0.9	0.9	0.8
- Net Interest Income		-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0
- Maintenance Capex		0.4	0.4	0.4	0.4	0.4	0.3	0.3
+ Other		0.0	0.0	0.0	0.0	0.0	0.0	0.0
= Free Cash Flow Potential		-0.7	0.8	6.1	-2.8	0.0	0.6	1.7
FCF Potential Yield (on market EV)		-6.3 %	6.5 %	17.6 %	-12.9 %	-0.2 %	4.6 %	13.8 %
WACC	10	0.23 %	10.23 %	10.23 %	10.23 %	10.23 %	10.23 %	10.23 %
= Enterprise Value (EV)		11.1	13.1	34.4	21.4	14.1	13.7	12.4
= Fair Enterprise Value		n.a.	8.3	59.3	n.a.	n.a.	6.2	16.7
- Net Debt (Cash)		11.3	2.0	0.4	0.0	0.0	0.0	0.0
- Pension Liabilities		7.5	4.5	4.0	0.5	0.1	0.1	0.1
- Other		0.0	0.0	0.0	0.0	0.0	0.0	0.0
<ul> <li>Market value of minorities</li> </ul>		0.0	0.0	0.0	0.0	0.0	0.0	0.0
+ Market value of investments		0.0	0.0	0.0	0.0	0.0	0.0	0.0
= Fair Market Capitalisation		n.a.	1.8	54.9	n.a.	n.a.	6.0	16.6
Number of shares, average		5.5	5.5	5.5	5.5	5.7	5.7	5.7
= Fair value per share (EUR)		n.a.	0.32	9.98	n.a.	n.a.	1.06	2.93
premium (-) / discount (+) in %							-61.5 %	6.0 %
Sensitivity Fair value per Share (E	:UR)							
1	3.23 %	n.a.	n.a.	7.54	n.a.	n.a.	0.84	2.33
	2.23 %	n.a.	0.08	8.22	n.a.	n.a.	0.91	2.52
	1.23 %	n.a.	0.19	9.02	n.a.	n.a.	1.00	2.75
	0.23 %	n.a.	0.32	9.98	n.a.	n.a.	1.06	2.93
	9.23 %	n.a.	0.49	11.15	n.a.	n.a.	1.22	3.35
	8.23 %	n.a.	0.69	12.60	n.a.	n.a.	1.37	3.76
	7.23 %	n.a.	0.95	14.46	n.a.	n.a.	1.56	4.28

<sup>•</sup> We estimate maintenance capex in line with depreciation

# elumeo



Valuation							
	2019	2020	2021	2022	2023e	2024e	2025e
Price / Book	1.7 x	2.6 x	2.7 x	2.1 x	1.5 x	1.5 x	1.3 x
Book value per share ex intangibles	0.66	0.71	2.43	1.89	1.82	1.84	2.05
EV / Sales	0.3 x	0.3 x	0.7 x	0.5 x	0.3 x	0.3 x	0.2 x
EV / EBITDA	n.a.	10.7 x	11.8 x	n.a.	140.7 x	13.7 x	5.0 x
EV / EBIT	n.a.	45.3 x	17.4 x	n.a.	n.a.	91.2 x	7.3 x
EV / EBIT adj.*	n.a.	n.a.	8.7 x	16.9 x	11.7 x	6.4 x	3.4 x
P / FCF	11.5 x	5.2 x	44.0 x	n.a.	21.7 x	19.7 x	9.5 x
P/E	n.a.	73.8 x	6.7 x	n.a.	n.a.	209.3 x	13.2 x
P / E adj.*	n.a.	n.a.	13.0 x	n.a.	n.a.	23.2 x	8.8 x
Dividend Yield	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
FCF Potential Yield (on market EV)	-6.3 %	6.5 %	17.6 %	-12.9 %	-0.2 %	4.6 %	13.8 %
*Adjustments made for: -							

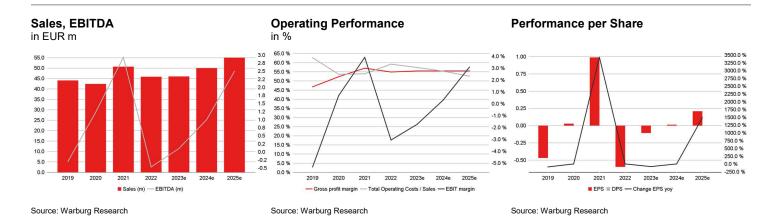
Company Specific Items							
	2019	2020	2021	2022	2023e	2024e	2025e
Active Customers	59,750	58,821	81,328	75,195	78,955	90,798	99,878
Revenue per Customer	737.87	721.00	623.12	609.67	582.61	0.00	0.00
Average Selling Price	61.54	79.00	85.21	80.66	80.94	82.22	83.74
Volume (in pieces)	716,395	538,019	594,730	568,344	568,344	608,128	656,778
Gross profit per piece	28.80	41.00	49.00	44.32	44.92	45.63	46.48



Consolidated profit and loss							
In EUR m	2019	2020	2021	2022	2023e	2024e	2025
Sales	44.1	42.4	50.7	45.8	46.0	50.0	55.0
Change Sales yoy	-13.7 %	-3.8 %	19.5 %	-9.5 %	0.3 %	8.7 %	10.0 %
COGS	23.5	20.2	21.8	20.7	20.5	22.3	24.5
Gross profit	20.6	22.2	28.9	25.2	25.5	27.8	30.5
Gross margin	46.8 %	52.4 %	57.0 %	54.9 %	55.5 %	55.5 %	55.5 %
Research and development	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sales and marketing	18.1	15.6	18.7	18.0	18.0	19.0	19.8
Administration expenses	8.3	7.0	8.5	8.8	8.3	8.6	9.0
Other operating expenses	1.2	0.2	0.1	0.4	0.1	0.1	0.1
Other operating income	4.7	0.9	0.5	0.6	0.1	0.1	0.1
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	-0.3	1.2	2.9	-0.5	0.1	1.0	2.5
Margin	-0.7 %	2.9 %	5.8 %	-1.0 %	0.2 %	2.0 %	4.5 %
Depreciation of fixed assets	2.0	0.9	1.0	0.9	0.9	0.9	0.8
EBITDA adj.	-0.3	0.9	4.9	2.2	2.1	3.0	4.5
Margin	-0.7 %	2.1 %	9.7 %	4.8 %	4.6 %	6.0 %	8.2 %
Goodwill amortisation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	-2.3	0.3	2.0	-1.4	-0.8	0.2	1.7
Margin	-5.3 %	0.7 %	3.9 %	-3.1 %	-1.7 %	0.3 %	3.1 %
EBIT adj.	-2.3	-0.1	4.0	1.3	1.2	2.2	3.7
Interest income	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Interest expenses	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Other financial income (loss)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBT	-2.6	0.2	1.9	-1.5	-0.8	0.1	1.6
Margin	-5.9 %	0.4 %	3.8 %	-3.2 %	-1.8 %	0.2 %	3.0 %
Total taxes	0.0	0.0	-3.5	1.9	-0.2	0.0	0.5
Net income from continuing operations	-2.6	0.2	5.4	-3.4	-0.6	0.1	1.2
Income from discontinued operations (net of tax)	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Net income before minorities	-2.6	0.2	5.4	-3.3	-0.6	0.1	1.2
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income	-2.6	0.2	5.4	-3.3	-0.6	0.1	1.2
Margin	-5.9 %	0.4 %	10.7 %	-7.2 %	-1.3 %	0.1 %	2.2 %
Number of shares, average	5.5	5.5	5.5	5.5	5.7	5.7	5.7
EPS	-0.47	0.03	0.99	-0.60	-0.11	0.01	0.21
EPS adj.	-0.47	-0.03	0.51	-0.12	0.00	0.12	0.31
*Adjustments made for:							

Guidance: Stable sales and low-single digit EURm adj. EBITDA

Financial Ratios								
	2019	2020	2021	2022	2023e	2024e	2025e	
Total Operating Costs / Sales	62.8 %	53.7 %	54.0 %	59.2 %	57.4 %	55.4 %	52.6 %	
Operating Leverage	6.3 x	n.a.	30.0 x	n.a.	-126.4 x	n.a.	103.0 x	
EBITDA / Interest expenses	n.m.	9.1 x	50.5 x	n.m.	2.0 x	20.0 x	49.9 x	
Tax rate (EBT)	0.0 %	0.0 %	-183.0 %	-131.5 %	28.0 %	28.0 %	28.0 %	
Dividend Payout Ratio	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	
Sales per Employee	n.a.	n.a.	227,251	205,578	n.a.	n.a.	n.a.	

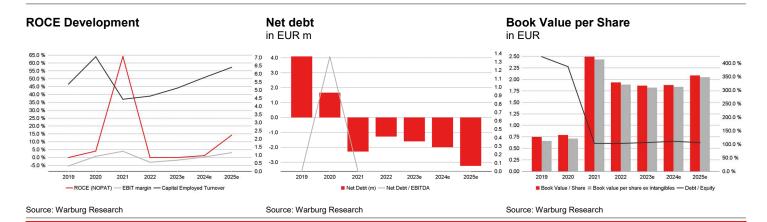






Consolidated balance sheet							
In EUR m	2019	2020	2021	2022	2023e	2024e	2025e
Assets							
Goodwill and other intangible assets	0.5	0.4	0.3	0.3	0.2	0.2	0.2
thereof other intangible assets	0.5	0.4	0.3	0.3	0.2	0.2	0.2
thereof Goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Property, plant and equipment	1.6	1.3	1.2	8.0	0.7	0.7	0.8
Financial assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other long-term assets	3.3	3.0	2.4	2.3	1.9	1.5	1.1
Fixed assets	5.4	4.7	3.9	3.3	2.8	2.4	2.1
Inventories	13.4	12.1	13.1	13.0	12.4	13.0	14.3
Accounts receivable	1.4	1.2	2.3	1.7	1.4	1.5	1.7
Liquid assets	0.9	2.3	2.8	1.4	1.7	2.1	3.4
Other short-term assets	0.5	0.8	1.6	1.1	1.1	1.1	1.1
Current assets	16.2	16.5	19.8	17.3	16.6	17.7	20.4
Total Assets	21.6	21.2	27.9	22.7	21.9	22.5	24.4
Liabilities and shareholders' equity							
Total equity	4.1	4.3	13.7	11.2	10.6	10.6	11.8
Provisions	7.5	6.9	4.0	3.4	3.0	2.6	2.2
thereof provisions for pensions and similar obligations	4.5	4.0	0.5	0.1	0.1	0.1	0.1
Financial liabilities (total)	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Short-term financial liabilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Accounts payable	5.6	6.8	5.9	4.9	5.1	6.0	7.2
Other liabilities	3.8	3.2	4.3	3.3	3.3	3.3	3.3
Liabilities	17.5	16.8	14.2	11.6	11.3	11.8	12.6
Total liabilities and shareholders' equity	21.6	21.2	27.9	22.7	21.9	22.5	24.4

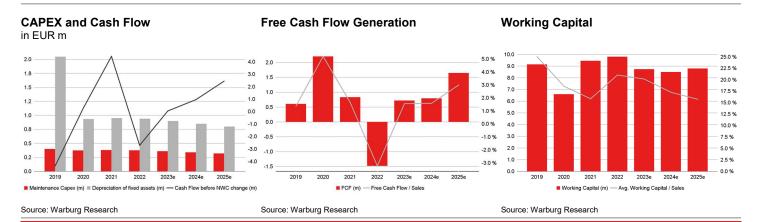
Financial Ratios							
	2019	2020	2021	2022	2023e	2024e	2025e
Efficiency of Capital Employment							
Operating Assets Turnover	4.1 x	5.4 x	4.8 x	4.3 x	4.9 x	5.5 x	5.7 x
Capital Employed Turnover	5.4 x	7.1 x	4.4 x	4.6 x	5.1 x	5.8 x	6.4 x
ROA	-47.9 %	3.3 %	138.6 %	-98.6 %	-21.5 %	3.1 %	56.9 %
Return on Capital							
ROCE (NOPAT)	n.a.	4.1 %	64.2 %	n.a.	n.a.	1.2 %	14.2 %
ROE	-47.8 %	3.6 %	60.3 %	<i>-</i> 27.0 %	-5.7 %	0.7 %	10.6 %
Adj. ROE	-47.8 %	-4.5 %	31.3 %	-5.5 %	-0.1 %	6.4 %	15.9 %
Balance sheet quality							
Net Debt	4.1	1.7	-2.3	-1.3	-1.6	<b>-</b> 2.0	-3.2
Net Financial Debt	-0.4	-2.3	-2.8	-1.4	-1.7	-2.1	-3.4
Net Gearing	99.4 %	38.3 %	-16.7 %	-11.4 %	-15.1 %	-18.7 %	-27.4 %
Net Fin. Debt / EBITDA	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Book Value / Share	0.7	0.8	2.5	1.9	1.9	1.9	2.1
Book value per share ex intangibles	0.7	0.7	2.4	1.9	1.8	1.8	2.0





Consolidated cash flow statement							
In EUR m	2019	2020	2021	2022	2023e	2024e	2025e
Net income	-2.6	0.2	5.4	-3.3	-0.6	0.1	1.2
Depreciation of fixed assets	2.0	0.9	1.0	0.9	0.9	0.9	0.8
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	0.6	-0.3	-2.4	-2.1	0.0	0.0	0.0
Other non-cash income and expenses	-4.4	-0.5	0.5	1.8	-0.2	0.0	0.5
Cash Flow before NWC change	-4.4	0.3	4.4	-2.7	0.1	1.0	2.4
Increase / decrease in inventory	7.1	1.2	-1.0	0.1	0.6	-0.6	-1.3
Increase / decrease in accounts receivable	0.6	0.0	-1.6	1.3	0.3	-0.1	-0.2
Increase / decrease in accounts payable	<b>-</b> 2.5	0.9	-0.6	-0.1	0.1	0.9	1.2
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)	5.1	2.2	-3.2	1.3	1.1	0.2	-0.3
Net cash provided by operating activities [1]	0.8	2.4	1.2	-1.4	1.1	1.2	2.1
Investments in intangible assets	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Investments in property, plant and equipment	0.2	0.2	0.4	0.1	0.3	0.3	0.4
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
Net cash provided by investing activities [2]	-0.2	-0.2	-0.4	-0.1	-0.4	-0.4	-0.5
Change in financial liabilities	-2.2	-0.8	-0.4	-0.4	-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	0.0	0.0	0.6	0.0	0.0	0.0
Other	0.0	0.0	0.0	-0.3	0.0	0.0	0.0
Net cash provided by financing activities [3]	-2.2	-0.8	-0.4	-0.2	-0.4	-0.4	-0.4
Change in liquid funds [1]+[2]+[3]	-1.6	1.4	0.5	-1.7	0.3	0.4	1.2
Effects of exchange-rate changes on cash	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cash and cash equivalent at end of period	0.9	2.3	2.8	1.4	1.7	2.1	3.4

Financial Ratios							
	2019	2020	2021	2022	2023e	2024e	2025e
Cash Flow							
FCF	0.6	2.2	8.0	-1.5	0.7	0.8	1.6
Free Cash Flow / Sales	1.4 %	5.2 %	1.6 %	-3.2 %	1.6 %	1.6 %	3.0 %
Free Cash Flow Potential	-0.7	8.0	6.1	-2.8	0.0	0.6	1.7
Free Cash Flow / Net Profit	-23.5 %	1428.4 %	15.3 %	45.0 %	-118.4 %	1060.4 %	138.9 %
Interest Received / Avg. Cash	0.2 %	0.3 %	0.2 %	0.2 %	0.3 %	0.2 %	0.1 %
Interest Paid / Avg. Debt	19.5 %	60.0 %	n.a.	n.a.	n.a.	n.a.	n.a.
Management of Funds							
Investment ratio	0.4 %	0.5 %	0.7 %	0.1 %	0.9 %	0.8 %	0.9 %
Maint. Capex / Sales	0.9 %	0.9 %	0.8 %	0.8 %	0.8 %	0.7 %	0.6 %
Capex / Dep	8.7 %	23.9 %	37.4 %	6.3 %	44.4 %	47.1 %	62.5 %
Avg. Working Capital / Sales	25.0 %	18.6 %	15.8 %	21.0 %	20.2 %	17.2 %	15.7 %
Trade Debtors / Trade Creditors	24.8 %	18.2 %	38.1 %	34.6 %	27.3 %	25.0 %	23.1 %
Inventory Turnover	1.8 x	1.7 x	1.7 x	1.6 x	1.6 x	1.7 x	1.7 x
Receivables collection period (days)	12	11	16	14	11	11	11
Payables payment period (days)	88	122	100	87	90	98	107
Cash conversion cycle (Days)	132	108	137	157	142	126	118



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Company	Disclosure	Link to the historical price targets and rating changes (last 12 months)
elumeo	5	http://www.mmwarburg.com/disclaimer/disclaimer en/DE000A11Q059.htm



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

<u>"_"</u>	Rating suspended:	The available information currently does not permit an evaluation of the company.
-S-	Sell:	The price of the analysed financial instrument is expected to fall over the next 12 months.
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Rating	Number of stocks	% of Universe
Buy	162	76
Hold	40	19
Sell	8	4
Rating suspended	3	1
Total	213	100

#### 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	46	88
Hold	5	10
Sell	0	0
Rating suspended	1	2
Total	52	100

## PRICE AND RATING HISTORY ELUMEO AS OF 04.05.2023



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.



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