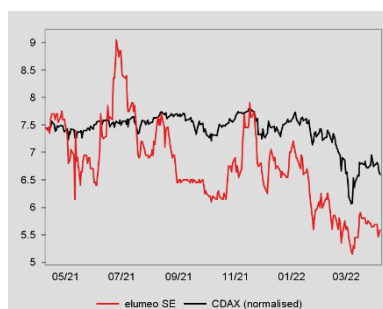


<div>Buy</div> <div>EUR 13.00</div> <div>PriceEUR 5.58</div> <div>Upside133.0 %</div>	<div>Value Indicators:</div> <div>EUR</div> <div>Warburg ESG Risk Score: 1.2</div> <div>ESG Score (MSCI based): 3.0</div> <div>Balance Sheet Score: 0.5</div> <div>Market Liquidity Score: 0.0</div>	<div>Description:</div> <div>elumeo is a vertically-integrated, multi-channel, precious jewellery retailer</div>
	<div>Market Snapshot:</div> <div>EUR m</div> <div>Market cap: 30.7</div> <div>No. of shares (m): 5.5</div> <div>EV: 26.1</div> <div>Freefloat MC: 6.7</div>	<div>Shareholders:</div> <div>Freefloat 21.8 %</div> <div>Blackflint Ltd. (Boyé) 26.6 %</div> <div>Management 10.9 %</div>

First Glance: 2021 results validate our long term margin assumptions

On Friday elumeo released preliminary 2021 figures:

- In 2021 elumeo generated EUR 50.7m (+20%), beating our estimates by EUR 1.2m. This implies 5% growth in Q4 2021 despite a demanding comparison base (+16%). Full year adj. EBITDA rose more than 5-fold to EUR 4.9m (prior year EUR 0.9m), this implies EUR 2.4m adj. EBITDA in Q4. We would not extrapolate the Q4 margin, that said the full year adj. EBITDA margin of 9.7% validates our long-term target margin of 10%. Due to some positive one-time effects (won a major lawsuit) reported net income of EUR 9.2m is substantially above EBITDA.
- Despite the strong finish to the year, the current e-commerce and consumer environment is challenging. Bearing in mind that elumeo is comparing against a H1 2021 comparison base which grew 30%, we expect a back-end loaded year 2022 and a difficult H1.
- The video shopping app Jooli is growing vigorously and has now more than 100 channels and more than 130000 users in Germany and India for a total of 1.6m viewed videos. While it is early days for the platform, this is a highly attractive growth project and it is therefore reassuring that elumeo founder Wolfgang Boyé is now fully focussing on Jooli while CSO Florian Spatz, who has already been handling most of the day to day business is taking on full operational leadership.
- We confirm our Buy rating as the strong 2021 profitability underpins our margin assumptions while Jooli has strong optionality and can add significant further upside in the long run.



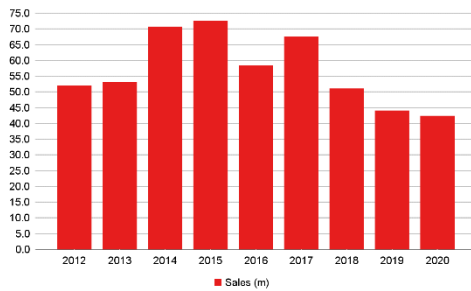
Rel. Performance vs CDAX:

1 month:	-0.3 %
6 months:	-0.2 %
Year to date:	-7.6 %
Trailing 12 months:	-12.9 %

Company events:

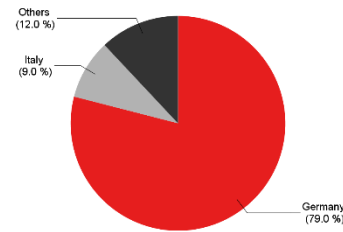
FY End: 31.12. in EUR m	CAGR (20-23e)	2017	2018	2019	2020	2021e	2022e	2023e
Sales	11.6 %	67.6	51.1	44.1	42.4	49.5	53.5	59.0
Change Sales yoy		15.5 %	-24.3 %	-13.7 %	-3.8 %	16.7 %	8.1 %	10.3 %
Gross profit margin		44.1 %	26.4 %	46.8 %	52.4 %	54.8 %	55.2 %	55.5 %
EBITDA adj.	89.8 %	-0.6	-17.5	-0.3	0.9	3.6	5.0	6.0
Margin		-3.2 %	-36.1 %	-5.3 %	-0.1 %	5.2 %	7.4 %	8.4 %
EBIT	139.2 %	-1.6	-18.4	-2.3	0.3	2.0	3.0	3.9
Margin		-2.4 %	-36.1 %	-5.3 %	0.7 %	4.0 %	5.5 %	6.7 %
Net income	188.4 %	-6.0	-27.4	-2.6	0.2	1.9	2.9	3.7
EPS	188.4 %	-1.10	-4.98	-0.47	0.03	0.34	0.53	0.67
EPS adj.	-	-0.49	-3.73	-0.47	-0.03	0.45	0.71	0.85
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		0.90	-1.22	0.11	0.40	0.43	0.88	0.92
EV / Sales		0.9 x	0.8 x	0.3 x	0.3 x	0.6 x	0.5 x	0.4 x
EV / EBITDA		n.a.	n.a.	n.a.	10.7 x	10.2 x	6.5 x	4.3 x
EV / EBIT		n.a.	n.a.	n.a.	45.3 x	15.5 x	8.8 x	5.5 x
P / E		n.a.	n.a.	n.a.	73.8 x	16.5 x	10.5 x	8.3 x
P / E adj.		n.a.	n.a.	n.a.	n.a.	12.4 x	7.8 x	6.6 x
FCF Potential Yield		-1.8 %	-49.7 %	-15.7 %	4.4 %	7.5 %	12.5 %	18.9 %
Net Financial Debt		9.8	-0.6	-0.4	-2.3	-4.2	-8.6	-13.1
ROE		-17.0 %	-141.9 %	-47.8 %	3.6 %	33.4 %	33.3 %	28.4 %
ROCE (NOPAT)		n.a.	n.a.	n.a.	4.1 %	31.1 %	46.6 %	60.6 %
Guidance:	Low double digit sales growth and low- to mid-single digit EURm adj. EBITDA							

Sales
in EUR m



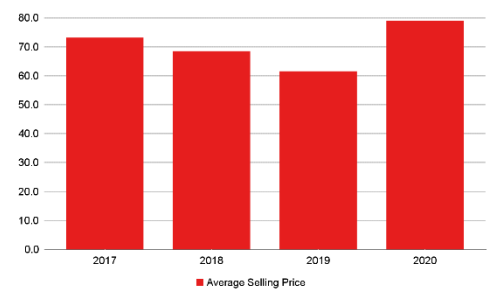
Source: Warburg Research

Sales by regions
2020 in %



Source: Warburg Research

average selling price
in EUR



Source: Warburg Research

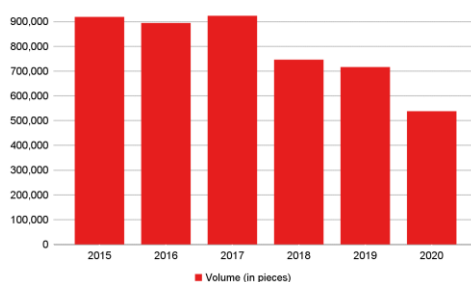
Company Background

- 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 on the company's television channel amount to about 60% of sales while e-commerce generates 35%.
- 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

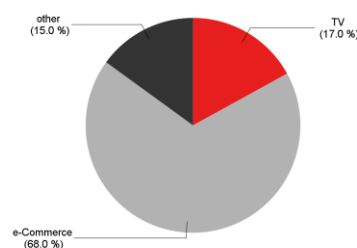
- Elumeo's vertically integrated business model cuts out several steps in the supply chain. It uses its cost leadership for a price differentiation to peers and prices are significantly lower than the competition.
- The integration of design and production processes in combination with distribution via 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



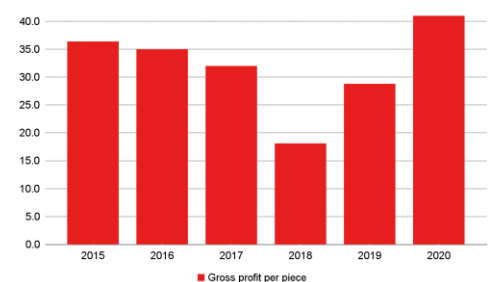
Source: Warburg Research

New customers by channel
2020; 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
	2021e	2022e	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	2032e	2033e	
Sales	49.5	53.5	59.0	64.9	70.1	75.0	79.5	83.5	87.6	92.0	96.6	101.5	104.5	2.0 %
Sales change	16.7 %	8.1 %	10.3 %	10.0 %	8.0 %	7.0 %	6.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	3.0 %	
EBIT	2.6	4.0	4.9	5.2	5.6	6.0	6.4	6.7	7.0	7.4	7.7	8.1	8.4	8.0 %
EBIT-margin	5.2 %	7.4 %	8.4 %	8.0 %	8.0 %	8.0 %	8.0 %	8.0 %	8.0 %	8.0 %	8.0 %	8.0 %	8.0 %	
Tax rate (EBT)	0.0 %	0.0 %	3.9 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	7.9
NOPAT	2.6	4.0	4.8	4.9	5.3	5.7	6.0	6.3	6.7	7.0	7.3	7.7	7.9	
Depreciation	1.0	1.0	1.1	1.3	1.4	1.5	1.6	1.7	1.8	1.8	1.9	2.0	2.1	2.0 %
in % of Sales	2.1 %	1.9 %	1.8 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	
Changes in provisions	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Change in Liquidity from														
- Working Capital	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.3	2.1
- Capex	0.4	0.6	0.6	1.3	1.4	1.5	1.6	1.7	1.8	1.8	1.9	2.0	2.1	
Capex in % of Sales	0.8 %	1.1 %	1.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	2.0 %	0.0
- Other	0.5	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Free Cash Flow (WACC Model)	2.3	3.9	4.7	3.8	4.4	5.2	5.5	5.9	6.2	6.5	6.8	7.2	7.6	6
PV of FCF	2.4	3.6	4.0	3.0	3.1	3.4	3.4	3.3	3.2	3.1	2.9	2.8	2.8	
share of PVs	13.69 %			42.31 %										44.01 %

Model parameter

Derivation of WACC:		Derivation of Beta:	
Debt ratio	0.00 %	Financial Strength	1.20
Cost of debt (after tax)	3.8 %	Liquidity (share)	2.50
Market return	7.00 %	Cyclicality	1.00
Risk free rate	1.50 %	Transparency	1.10
		Others	1.00
WACC	8.98 %	Beta	1.36

Valuation (m)

Present values 2033e	41		
Terminal Value	32		
Financial liabilities	0		
Pension liabilities	4		
Hybrid capital	0		
Minority interest	0		
Market val. of investments	0		
Liquidity	2	No. of shares (m)	5.5
Equity Value	71	Value per share (EUR)	13.00

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
1.63	10.5 %	10.26	10.47	10.58	10.70	10.82	10.95	11.25	1.63	10.5 %	3.14	9.18	9.94	10.70	11.45	12.21	18.25
1.54	10.0 %	10.85	11.10	11.23	11.37	11.52	11.68	12.03	1.54	10.0 %	3.37	9.77	10.57	11.37	12.17	12.97	19.37
1.45	9.5 %	11.52	11.80	11.96	12.13	12.31	12.50	12.93	1.45	9.5 %	3.63	10.43	11.28	12.13	12.98	13.83	20.63
1.36	9.0 %	12.26	12.61	12.80	13.00	13.22	13.45	13.99	1.36	9.0 %	3.93	11.19	12.09	13.00	13.91	14.81	22.07
1.27	8.5 %	13.11	13.52	13.75	14.00	14.27	14.56	15.23	1.27	8.5 %	4.28	12.06	13.03	14.00	14.98	15.95	23.73
1.18	8.0 %	14.08	14.58	14.87	15.17	15.51	15.88	16.72	1.18	8.0 %	4.68	13.08	14.13	15.17	16.22	17.27	25.67
1.09	7.5 %	15.19	15.82	16.17	16.56	16.98	17.45	18.54	1.09	7.5 %	5.16	14.28	15.42	16.56	17.70	18.84	27.95

- 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
- The tax loss carry-forwards lead to very low tax rate.

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	2017	2018	2019	2020	2021e	2022e	2023e	
Net Income before minorities	-2.1	-20.5	-2.6	0.2	1.9	2.9	3.7	
+ Depreciation + Amortisation	1.6	0.9	2.0	0.9	1.0	1.0	1.1	
- Net Interest Income	-0.6	-0.2	-0.2	-0.1	-0.1	0.0	0.0	
- Maintenance Capex	1.1	0.7	1.4	0.7	0.7	0.7	0.7	
+ Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
= Free Cash Flow Potential	-1.0	-20.0	-1.7	0.6	2.3	3.3	4.1	
FCF Potential Yield (on market EV)	-1.8 %	-49.7 %	-15.7 %	4.4 %	7.5 %	12.5 %	18.9 %	
WACC	8.98 %	8.98 %	8.98 %	8.98 %	8.98 %	8.98 %	8.98 %	
= Enterprise Value (EV)	58.5	40.2	11.1	13.1	30.5	26.1	21.5	
= Fair Enterprise Value	n.a.	n.a.	n.a.	6.3	25.3	36.5	45.3	
- Net Debt (Cash)	11.3	2.0	0.4	0.0	0.0	0.0	0.0	
- Pension Liabilities	7.5	7.5	7.5	7.5	4.5	4.0	4.0	
- Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
- Market value of minorities	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.	n.a.	n.a.	n.a.	20.8	32.5	41.3	
Number of shares, average	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
= Fair value per share (EUR)	n.a.	n.a.	n.a.	n.a.	3.78	5.91	7.51	
premium (-) / discount (+) in %					-32.3 %	5.8 %	34.6 %	
Sensitivity Fair value per Share (EUR)								
WACC	11.98 %	n.a.	n.a.	n.a.	n.a.	2.63	4.25	5.45
	10.98 %	n.a.	n.a.	n.a.	n.a.	2.94	4.70	6.01
	9.98 %	n.a.	n.a.	n.a.	n.a.	3.32	5.24	6.68
	8.98 %	n.a.	n.a.	n.a.	n.a.	3.78	5.91	7.51
	7.98 %	n.a.	n.a.	n.a.	n.a.	4.35	6.74	8.54
	6.98 %	n.a.	n.a.	n.a.	0.13	5.10	7.80	9.87
	5.98 %	n.a.	n.a.	n.a.	0.37	6.09	9.23	11.64

■ We estimate maintenance capex in line with depreciation

Peer Group

Company	Price	EV / Sales 21e	EV / EBITDA 21e 22e	EV / EBIT 21e 22e	P / E 21e 22e	EPS CAGR (20-23e)
Prices in local currency						
Average		-	- -	- -	- -	-
Median		-	- -	- -	- -	-
elumeo	5.58	0.6	10.2 6.5	15.5 8.8	16.5 10.5	188.4 %
Delta to median		-	- -	- -	- -	-

■ ...

Valuation

	2017	2018	2019	2020	2021e	2022e	2023e
Price / Book	1.5 x	5.0 x	1.7 x	2.6 x	4.5 x	2.9 x	2.0 x
Book value per share ex intangibles	5.67	1.11	0.66	0.71	1.17	1.89	2.74
EV / Sales	0.9 x	0.8 x	0.3 x	0.3 x	0.6 x	0.5 x	0.4 x
EV / EBITDA	n.a.	n.a.	n.a.	10.7 x	10.2 x	6.5 x	4.3 x
EV / EBIT	n.a.	n.a.	n.a.	45.3 x	15.5 x	8.8 x	5.5 x
EV / EBIT adj.*	n.a.	n.a.	n.a.	n.a.	11.9 x	6.6 x	4.4 x
P / FCF	9.7 x	n.a.	11.5 x	5.2 x	12.9 x	6.3 x	6.0 x
P / E	n.a.	n.a.	n.a.	73.8 x	16.5 x	10.5 x	8.3 x
P / E adj.*	n.a.	n.a.	n.a.	n.a.	12.4 x	7.8 x	6.6 x
Dividend Yield	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
FCF Potential Yield (on market EV)	-1.8 %	-49.7 %	-15.7 %	4.4 %	7.5 %	12.5 %	18.9 %

*Adjustments made for: -

Company Specific Items

	2017	2018	2019	2020	2021e	2022e	2023e
Active Customers	82,062	74,198	59,750	64,246	69,024	75,340	156,403
Revenue per Customer	823.28	688.90	737.87	660.12	717.15	710.12	377.23
Average Selling Price	73.16	68.50	61.54	79.00	62.67	64.51	67.76
eCommerce sales in % of group sales	34.5 %	39.0 %	41.8 %	51.2 %	51.8 %	56.5 %	111.8 %
eCommerce sales in EURm	23	20	18	22	26	30	66
Volume (in pieces)	923,476	746,254	716,395	538,019	789,825	829,317	870,783
Gross profit per piece	32.00	18.11	28.80	41.00	34.31	35.61	37.60

Consolidated profit and loss

In EUR m	2017	2018	2019	2020	2021e	2022e	2023e
Sales	67.6	51.1	44.1	42.4	49.5	53.5	59.0
Change Sales yoy	15.5 %	-24.3 %	-13.7 %	-3.8 %	16.7 %	8.1 %	10.3 %
COGS	37.7	37.6	23.5	20.2	22.4	24.0	26.3
Gross profit	29.8	13.5	20.6	22.2	27.1	29.5	32.7
<i>Gross margin</i>	<i>44.1 %</i>	<i>26.4 %</i>	<i>46.8 %</i>	<i>52.4 %</i>	<i>54.8 %</i>	<i>55.2 %</i>	<i>55.5 %</i>
Research and development	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sales and marketing	23.7	23.7	18.1	15.6	17.5	18.1	19.8
Administration expenses	8.9	7.7	8.3	7.0	8.0	8.5	9.0
Other operating expenses	0.0	0.6	1.2	0.2	0.0	0.1	0.1
Other operating income	1.1	0.1	4.7	0.9	0.3	0.1	0.1
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	0.0	-17.5	-0.3	1.2	3.0	4.0	5.0
<i>Margin</i>	<i>0.0 %</i>	<i>-34.2 %</i>	<i>-0.7 %</i>	<i>2.9 %</i>	<i>6.1 %</i>	<i>7.5 %</i>	<i>8.5 %</i>
Depreciation of fixed assets	1.6	0.9	2.0	0.9	1.0	1.0	1.1
EBITDA adj.	-0.6	-17.5	-0.3	0.9	3.6	5.0	6.0
Margin	-0.8 %	-34.2 %	-0.7 %	2.1 %	7.3 %	9.3 %	10.2 %
Goodwill amortisation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	-1.6	-18.4	-2.3	0.3	2.0	3.0	3.9
<i>Margin</i>	<i>-2.4 %</i>	<i>-36.1 %</i>	<i>-5.3 %</i>	<i>0.7 %</i>	<i>4.0 %</i>	<i>5.5 %</i>	<i>6.7 %</i>
EBIT adj.	-2.2	-18.4	-2.3	-0.1	2.6	4.0	4.9
Interest income	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Interest expenses	0.6	0.2	0.2	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	-2.2	-18.6	-2.6	0.2	1.9	2.9	3.9
<i>Margin</i>	<i>-3.3 %</i>	<i>-36.5 %</i>	<i>-5.9 %</i>	<i>0.4 %</i>	<i>3.8 %</i>	<i>5.5 %</i>	<i>6.6 %</i>
Total taxes	-0.1	1.8	0.0	0.0	0.0	0.0	0.2
Net income from continuing operations	-2.1	-20.5	-2.6	0.2	1.9	2.9	3.7
Income from discontinued operations (net of tax)	-3.9	-6.9	0.0	0.0	0.0	0.0	0.0
Net income before minorities	-6.0	-27.4	-2.6	0.2	1.9	2.9	3.7
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income	-6.0	-27.4	-2.6	0.2	1.9	2.9	3.7
<i>Margin</i>	<i>-8.9 %</i>	<i>-53.6 %</i>	<i>-5.9 %</i>	<i>0.4 %</i>	<i>3.8 %</i>	<i>5.5 %</i>	<i>6.3 %</i>
Number of shares, average	5.5	5.5	5.5	5.5	5.5	5.5	5.5
EPS	-1.10	-4.98	-0.47	0.03	0.34	0.53	0.67
EPS adj.	-0.49	-3.73	-0.47	-0.03	0.45	0.71	0.85

*Adjustments made for:

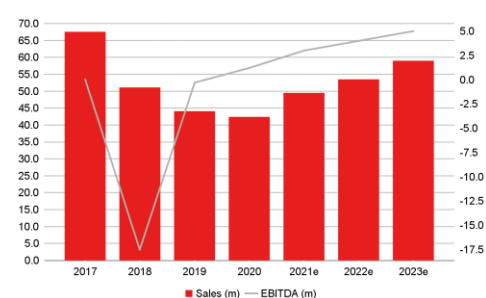
Guidance: Low double digit sales growth and low- to mid-single digit EURm adj. EBITDA

Financial Ratios

	2017	2018	2019	2020	2021e	2022e	2023e
Total Operating Costs / Sales	48.2 %	62.7 %	62.8 %	53.7 %	51.5 %	49.9 %	49.0 %
Operating Leverage	-5.3 x	-43.4 x	6.3 x	n.a.	34.7 x	6.3 x	3.2 x
EBITDA / Interest expenses	0.0 x	n.m.	n.m.	9.1 x	30.0 x	80.0 x	99.9 x
Tax rate (EBT)	3.3 %	-9.9 %	0.0 %	0.0 %	0.0 %	0.0 %	5.0 %
Dividend Payout Ratio	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sales per Employee	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

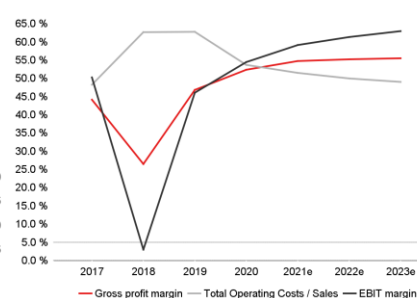
Sales, EBITDA

in EUR m

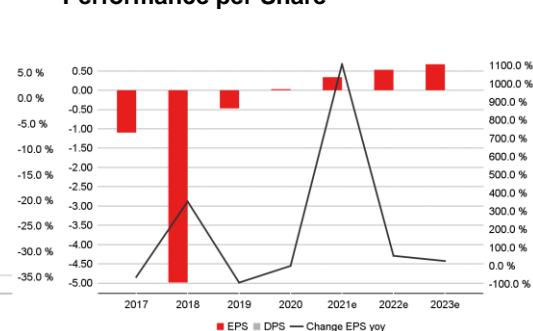


Operating Performance

in %



Performance per Share



Source: Warburg Research

Source: Warburg Research

Source: Warburg Research

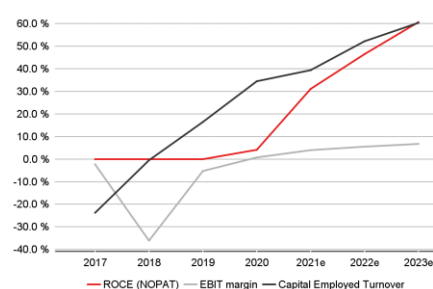
Consolidated balance sheet

In EUR m	2017	2018	2019	2020	2021e	2022e	2023e
Assets							
Goodwill and other intangible assets	0.8	0.6	0.5	0.4	0.4	0.3	0.3
thereof other intangible assets	0.8	0.6	0.5	0.4	0.4	0.3	0.3
thereof Goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Property, plant and equipment	9.4	2.2	1.6	1.3	1.2	1.3	1.4
Financial assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other long-term assets	2.3	0.4	3.3	3.0	2.5	2.0	1.5
Fixed assets	12.4	3.2	5.4	4.7	4.1	3.6	3.2
Inventories	33.5	20.5	13.4	12.1	12.4	12.3	13.0
Accounts receivable	3.0	1.4	1.4	1.2	1.5	1.6	1.8
Liquid assets	1.5	2.6	0.9	2.3	4.2	8.6	13.1
Other short-term assets	2.4	1.0	0.5	0.8	0.8	0.8	0.8
Current assets	40.5	25.5	16.2	16.5	18.8	23.3	28.7
Total Assets	54.7	28.8	21.6	21.2	22.9	26.9	31.8
Liabilities and shareholders' equity							
Total equity	32.0	6.7	4.1	4.3	6.8	10.7	15.4
Provisions	1.0	7.8	7.5	6.9	6.0	5.5	5.0
thereof provisions for pensions and similar obligations	0.7	7.5	4.5	4.0	4.0	4.0	4.0
Financial liabilities (total)	11.3	2.0	0.4	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	7.3	9.0	5.6	6.8	6.9	7.5	8.3
Other liabilities	3.1	3.4	3.8	3.2	3.2	3.2	3.2
Liabilities	22.8	22.2	17.5	16.8	16.1	16.1	16.4
Total liabilities and shareholders' equity	54.7	28.8	21.6	21.2	22.9	26.9	31.8

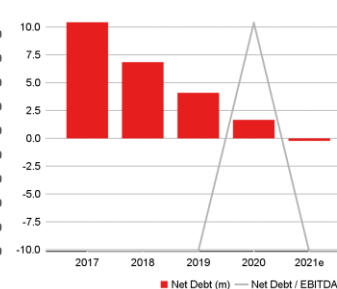
Financial Ratios

	2017	2018	2019	2020	2021e	2022e	2023e
Efficiency of Capital Employment							
Operating Assets Turnover	1.8 x	3.4 x	4.1 x	5.4 x	6.1 x	6.9 x	7.5 x
Capital Employed Turnover	1.6 x	3.8 x	5.4 x	7.1 x	7.5 x	8.7 x	9.5 x
ROA	-48.8 %	-858.0 %	-47.9 %	3.3 %	46.0 %	80.6 %	116.8 %
Return on Capital							
ROCE (NOPAT)	n.a.	n.a.	n.a.	4.1 %	31.1 %	46.6 %	60.6 %
ROE	-17.0 %	-141.9 %	-47.8 %	3.6 %	33.4 %	33.3 %	28.4 %
Adj. ROE	-7.6 %	-106.1 %	-47.8 %	-4.5 %	44.2 %	44.7 %	35.6 %
Balance sheet quality							
Net Debt	10.4	6.8	4.1	1.7	-0.2	-4.6	-9.2
Net Financial Debt	9.8	-0.6	-0.4	-2.3	-4.2	-8.6	-13.1
Net Gearing	32.6 %	102.5 %	99.4 %	38.3 %	-3.3 %	-42.8 %	-59.5 %
Net Fin. Debt / EBITDA	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Book Value / Share	5.8	1.2	0.7	0.8	1.2	2.0	2.8
Book value per share ex intangibles	5.7	1.1	0.7	0.7	1.2	1.9	2.7

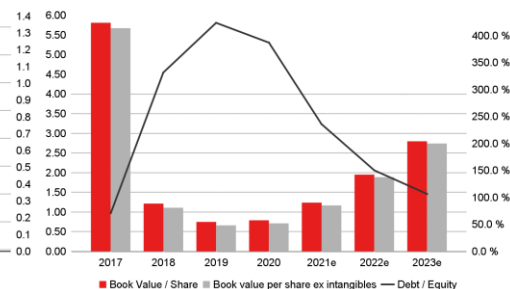
ROCE Development



Net debt in EUR m



Book Value per Share in EUR



Source: Warburg Research

Source: Warburg Research

Source: Warburg Research

Consolidated cash flow statement

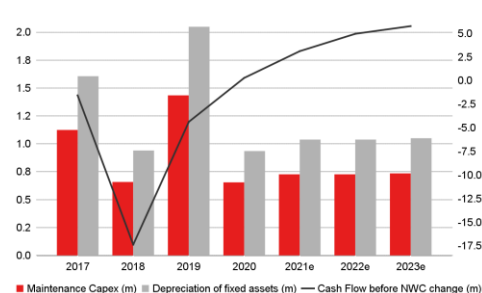
In EUR m	2017	2018	2019	2020	2021e	2022e	2023e
Net income	-6.0	-27.4	-2.6	0.2	1.9	2.9	3.7
Depreciation of fixed assets	1.6	0.9	2.0	0.9	1.0	1.0	1.1
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Increase/decrease in long-term provisions	0.0	0.2	0.6	-0.3	-0.4	0.0	0.0
Other non-cash income and expenses	2.8	8.9	-4.4	-0.5	0.6	1.0	1.0
Cash Flow before NWC change	-1.6	-17.4	-4.4	0.3	3.1	5.0	5.8
Increase / decrease in inventory	4.6	4.4	7.1	1.2	-0.2	0.1	-0.7
Increase / decrease in accounts receivable	-0.4	1.9	0.6	0.0	-0.3	-0.1	-0.2
Increase / decrease in accounts payable	2.6	4.7	-2.5	0.9	0.2	0.6	0.8
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)	6.8	11.1	5.1	2.2	-0.3	0.5	-0.1
Net cash provided by operating activities [1]	5.2	-6.3	0.8	2.4	2.8	5.5	5.7
Investments in intangible assets	0.0	0.1	0.0	0.0	0.1	0.1	0.1
Investments in property, plant and equipment	0.2	0.4	0.2	0.2	0.3	0.5	0.5
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	-0.5	-0.2	-0.2	-0.4	-0.6	-0.6
Change in financial liabilities	-2.0	-3.3	-2.2	-0.8	-0.5	-0.5	-0.5
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	0.0	0.0	0.0	0.0
Other	-3.2	10.5	0.0	0.0	0.0	0.0	0.0
Net cash provided by financing activities [3]	-5.2	7.2	-2.2	-0.8	-0.5	-0.5	-0.5
Change in liquid funds [1]+[2]+[3]	-0.3	0.4	-1.6	1.4	1.9	4.4	4.6
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	1.5	2.6	0.9	2.3	4.2	8.6	13.1

Financial Ratios

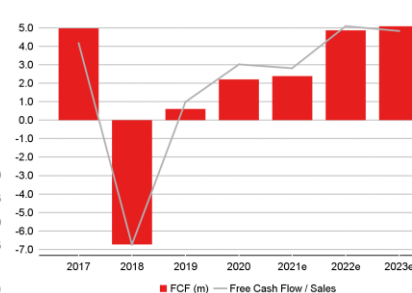
	2017	2018	2019	2020	2021e	2022e	2023e
Cash Flow							
FCF	5.0	-6.7	0.6	2.2	2.4	4.9	5.1
Free Cash Flow / Sales	7.4 %	-13.2 %	1.4 %	5.2 %	4.8 %	9.1 %	8.6 %
Free Cash Flow Potential	-1.0	-20.0	-1.7	0.6	2.3	3.3	4.1
Free Cash Flow / Net Profit	-82.2 %	24.6 %	-23.5 %	1428.4 %	127.9 %	166.8 %	137.3 %
Interest Received / Avg. Cash	0.0 %	0.2 %	0.2 %	0.3 %	0.1 %	0.1 %	0.0 %
Interest Paid / Avg. Debt	5.0 %	3.3 %	19.5 %	60.0 %	n.a.	n.a.	n.a.
Management of Funds							
Investment ratio	0.3 %	0.9 %	0.4 %	0.5 %	0.8 %	1.1 %	1.0 %
Maint. Capex / Sales	1.7 %	1.3 %	3.3 %	1.5 %	1.5 %	1.4 %	1.2 %
Capex / Dep	14.4 %	48.2 %	8.7 %	23.9 %	38.5 %	57.8 %	57.1 %
Avg. Working Capital / Sales	48.4 %	41.2 %	25.0 %	18.6 %	13.7 %	12.5 %	10.9 %
Trade Debtors / Trade Creditors	40.4 %	15.8 %	24.8 %	18.2 %	21.4 %	21.4 %	21.4 %
Inventory Turnover	1.1 x	1.8 x	1.8 x	1.7 x	1.8 x	1.9 x	2.0 x
Receivables collection period (days)	16	10	12	11	11	11	11
Payables payment period (days)	71	87	88	122	113	114	115
Cash conversion cycle (Days)	270	122	132	108	100	84	77

CAPEX and Cash Flow

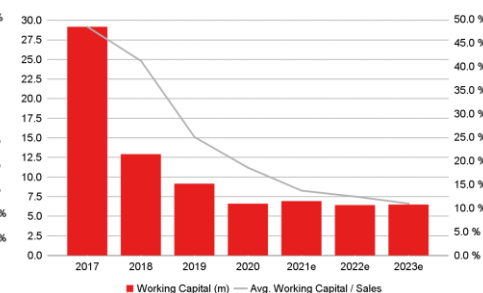
in EUR m



Free Cash Flow Generation



Working Capital



Source: Warburg Research

Source: Warburg Research

Source: Warburg Research

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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 price target in the opinion of the analyst who covers this financial instrument.

-B-	Buy:	The price of the analysed financial instrument is expected to rise over the next 12 months.
-H-	Hold:	The price of the analysed financial instrument is expected to remain mostly flat over the next 12 months.
-S-	Sell:	The price of the analysed financial instrument is expected to fall over the next 12 months.
“-“	Rating suspended:	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	171	81
Hold	34	16
Sell	4	2
Rating suspended	2	1
Total	211	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	52	87
Hold	5	8
Sell	1	2
Rating suspended	2	3
Total	60	100

PRICE AND RATING HISTORY ELUMEO AS OF 08.04.2022



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

Michael Heider +49 40 309537-280
Head of Research mheider@warburg-research.com

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

Jan Bauer +49 40 309537-155
Renewables jbauer@warburg-research.com

Jonas Blum +49 40 309537-240
Telco, Media, Construction jblum@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

Mustafa Hidir +49 40 309537-230
Automobiles, Car Suppliers mhidir@warburg-research.com

Thor Höfs +49 40 309537-255
Software, IT thoefs@warburg-research.com

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

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

Eggert Kuls +49 40 309537-256
Engineering ekuls@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 sstippig@warburg-research.com

Cansu Tatar +49 40 309537-248
Cap. Goods, Engineering ctatar@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

Marc Niemann +49 40 3282-2660
Head of Equity Sales, Germany mniemann@mmwarburg.com

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

Lea Bogdanova +49 69 5050-7411
United Kingdom, Ireland lbogdanova@mmwarburg.com

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

Alexander Eschweiler +49 40 3282-2669
Germany, Luxembourg aeschweiler@mmwarburg.com

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

Maximilian Martin +49 69 5050-7413
Austria, Poland mmartin@mmwarburg.com

Christopher Seedorf +49 40 3282-2695
Switzerland cseedorf@mmwarburg.com

Sophie Hauer +49 69 5050-7417
Roadshow/Marketing shauer@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

Elyaz Dust +49 40 3282-2702
Sales Trading edust@mmwarburg.com

Michael Ilgenstein +49 40 3282-2700
Sales Trading milgenstein@mmwarburg.com

Marcel Magiera +49 40 3282-2662
Sales Trading mmagiera@mmwarburg.com

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

Jörg Treptow +49 40 3282-2658
Sales Trading 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

Refinitiv www.refinitiv.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