

Photon Energy NV

Netherlands | Utilities | MCap EUR 123.4m

15 November 2023

UPDATE



Q3: markets remain challenging, guidance / est. / PT down, BUY

What's it all about?

Photon Energy reported Q3 numbers. The quarter saw a significant decline in revenues, mainly due to a drop in power generation and trading revenues. Despite significantly increased production capacity, power generation revenues fell by 53% due to a sharp drop in prices. Trading revenues saw an almost 80% decline due to excess supply, intense competition, and lower volumes. The gross margin recovered to 61.6% due to an improving mix, but the company reported an EBIT loss related to higher expenses from the Lerta acquisition. Improved working capital management in Q3 released cash, but free cash flow still was negative due to continued capex for the Romanian capacity build-up. Photon Energy is seeking a EUR 15m loan from EBRD to support further projects in Romania. FY23 revenue guidance was further downgraded to EUR 75-80m. The EBITDA guidance of EUR 10m is attainable if sales negotiations for Polish PV projects conclude in Q4 2023. We adjust estimates, resulting in a new price target of EUR 3.20, still supporting a BUY rating.

BUY (BUY)

Target price EUR 3.20 (3.80)
Current price EUR 2.02
Up/downside 58.8%





MAIN AUTHOR

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Netherlands | Utilities | MCap EUR 123.4m | EV EUR 250.7m

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Q3: markets remain challenging, guidance/est./PT down, BUY

Declining revenues in Q3. Photon Energy announced its Q3 results and held a conference call. Revenues of EUR 19.2m were down almost 46% yoy. One major factor was the decline in power generation revenues (-53% yoy), where an increase in production of c. 33% was more than offset by falling prices (-61%). The second factor was an almost 80% (!) yoy decline in trading revenues due to excess supply, fierce competition and declining volumes. The additional revenues from New Energy (including the Lerta acquisition) and the good development of Engineering could not compensate these shortfalls.

Gross margin recovering, but operating losses. A bright spot was the Q3 gross margin of 61,6%, up more than 4PP both qoq and yoy. The main driver was a mix effect with a declining share of the lower margin trading business. The EBITDA margin, however, continues to suffer from an increase in personnel and other expenses, mainly related to the acquisition of Lerta. As a result, Photon Energy slipped back into losses at the EBIT level.

Working capital management is improving. Operating cash flow before working capital changes was approximately EUR 1.7m in Q3. Tighter working capital management released an additional c. EUR 3.8m of cash, resulting in an overall CFO of EUR 5.5m. The continued build-up of the Romanian PV plants resulted in a CFI of EUR 9.2m and a Q3 free cash flow of EUR -3.7m. In view of the still challenging market conditions, Photon Energy's further capacity expansion is dependent on the ability to secure financing on terms that allow for the profitable operation of PV power plants. In this context, the company is negotiating a EUR 15m senior loan from the European Bank for Reconstruction and Development (EBRD) to ensure the timely completion of the power plants under construction (c. 20 MWp) and the start of construction work on the ready-to-build projects in Romania.

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Photon Energy NV	2020	2021	2022	2023E	2024E	2025E
Sales	28.3	36.4	94.2	78.7	107.9	124.1
Growth yoy	-6.3%	28.7%	159.1%	-16.4%	37.1%	15.0%
EBITDA	8.4	9.6	24.1	6.5	15.8	22.7
EBIT	-0.1	-0.9	14.5	-3.5	5.2	10.6
Net profit	2.1	2.0	4.3	0.0	-0.4	8.5
Net debt (net cash)	84.5	89.1	127.3	131.1	145.3	177.2
Net debt/EBITDA	10.0x	9.3x	5.3x	20.3x	9.2x	7.8x
EPS reported	0.04	0.04	0.07	0.00	-0.01	0.14
DPS	0.00	0.00	0.00	0.00	0.00	0.00
Dividend yield	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Gross profit margin	83.6%	65.0%	53.1%	60.2%	69.8%	72.6%
EBITDA margin	29.9%	26.4%	25.5%	8.2%	14.6%	18.3%
EBIT margin	-0.5%	-2.3%	15.4%	-4.5%	4.8%	8.5%
ROCE	-0.1%	-0.4%	6.6%	-1.6%	2.0%	3.3%
EV/Sales	7.4x	5.8x	2.7x	3.2x	2.5x	2.4x
EV/EBITDA	24.6x	22.2x	10.4x	39.4x	17.0x	13.2x
EV/EBIT	-1,464.3x	-249.4x	17.2x	-72.5x	51.4x	28.4x
PER	49.5x	56.0x	28.8x	5,847.1x	-303.4x	14.5x

Source: Company data, AlsterResearch



Source: Company data, AlsterResearch

High/low 52 weeks 2.95 / 2.01 Price/Book Ratio 2.0x

Ticker / Symbols

ISIN NL0010391108 WKN A1T9KW Bloomberg P7V:GR

Changes in estimates

		Sales	EBIT	EPS
2023E	old	110.5	-0.3	0.09
	Δ	-28.7%	na%	-99.6%
2024E	old	137.9	9.4	0.13
	Δ	-21.8%	-44.1%	na%
2025E	old	160.5	17.9	0.40
	Δ	-22.7%	-40.8%	-65.6%

Key share data

Number of shares: (in m pcs) 61.24 Book value per share: (in EUR) 0.99 Ø trading volume: (12 months) 136

Major shareholders

Solar Future	35.5%
Solar Power to the People	32.8%
Treasury Shares	2.4%
Free Float	29.3%

Company description

Photon Energy NV is a solar energy and water treatment solutions company based in the Netherlands that covers the entire lifecycle of its technologies. The Company develops projects in Australia, Hungary, Poland and Romania, and provides operations and maintenance services worldwide. The Company has offices in Europe and Australia.





Guidance downgrade. With release of the Q2 figures, Photon Energy had reduced the FY23 revenue guidance from EUR 150m to EUR 110m. Following declining volumes in the PV component trading, management now expects revenues in a range of EUR 75-80m. Management also confirmed that the revised EBITDA guidance of EUR 10m is still achievable, but only if sales negotiations for Photon Energy's Polish PV projects will be concluded in Q4 2023.

Downgrade est./PT, still a BUY. We adjust estimates to reflect a slower buildup of own PV capacity due to potential financing constraints and a shift of strategy now emphasizing electricity services over own production. We also lower volume and profitability assumptions for the trading unit. With adjusted estimates, we come to a new price target of EUR 3.20 (old: EUR 3.80), which still supports a **BUY rating**.

The following table displays the quarterly performance of **Photon Energy NV**:

P&L data	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023
Sales	11.7	9.1	23.2	35.4	26.4	19.3	21.0	19.2
yoy growth in %	130.3%	99.9%	135.7%	247.2%	125.3%	111.0%	-9.8%	-45.7%
Gross profit	4.4	6.2	14.3	20.3	9.3	6.2	11.9	11.8
Gross margin in %	37.3%	67.5%	61.4%	57.4%	35.3%	32.4%	56.9%	61.6%
EBITDA	0.9	2.0	8.1	12.7	1.2	0.3	2.5	1.9
EBITDA margin in %	8.0%	22.2%	35.0%	35.9%	4.6%	1.7%	11.9%	10.0%
EBIT	-1.0	0.5	4.6	9.7	-0.4	-1.6	0.1	-1.0
EBIT margin in %	-8.9%	5.8%	20.0%	27.5%	-1.3%	-8.1%	0.5%	-5.4%
EBT	-1.2	-1.3	2.6	7.3	-2.4	-4.2	-2.8	-4.0
taxes paid	-0.2	-0.1	0.6	1.3	-1.4	0.0	0.5	-1.8
tax rate in %	20.0%	10.5%	22.5%	18.1%	58.4%	0.0%	-17.0%	46.0%
net profit	-1.0	-1.4	2.0	6.0	-3.8	-4.2	-3.3	-2.1
yoy growth in %	na%							
EPS	-0.02	-0.03	0.04	0.11	-0.07	-0.08	-0.06	-0.04





Investment case in six charts

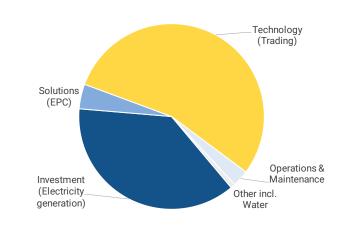
Business Model



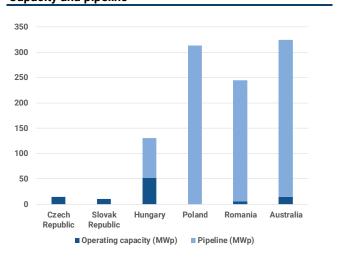
Geographical Presence



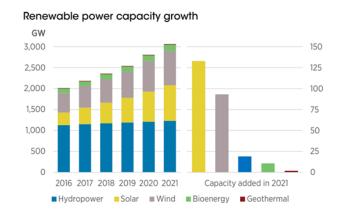
External Revenue Shares (2022)



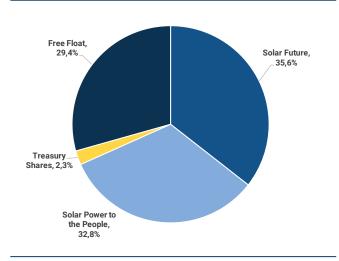
Capacity and pipeline



Fastest growing renewable energy



Major shareholders







SWOT analysis

Strengths

- early mover in the PV market with expertise in the whole system life cycle
- unique focus on and understanding of CEE market
- visible growth trajectory with a growing share of recurring revenue
- strong ESG credentials translating into lower cost of capital (-> green bond)
- transparent and detailed reporting and comprehensive capital market communications
- strong management team and high standards of corporate governance

Weaknesses

- still a relatively small player
- high leverage and capital needs to fulfill project pipeline
- strong seasonality in solar business (mitigated by Australian projects)
- analysis of underlying profitability complex due the nature of the business (FX and derivatives effects, strong contribution of OCI, capital gains on resale of projects and high share of internal revenues in business segments)

Opportunities

- fragmented competition in the 1 MWp 20 MWp PV sweet spot
- solar power finally competitive without subsidies
- access to promising technology (RayGen) via equity participation
- catch up potential in CEE and a well filled project pipeline
- increasing electricity prices combined with a shift to selling electricity at market prices
- high prices for fossil energy and geopolitical tailwinds
- increasing interest in behind-the-meter projects
- increasing share of renewables leads to greater demand for grid flexibility and VPP services
- PFAS water remediation potentially huge market

Threats

- · water business line could distract focus
- volatile market prices and supply bottlenecks for solar panels
- large-scale project risk (cost overruns, change in market conditions during development etc.)
- regulatory risks, for example retroactive adjustments to feed-in tariffs or price caps





Valuation

DCF Model

The DCF model results in a fair value of EUR 3.21 per share:

Top-line growth: We expect Photon Energy NV to grow revenues at a CAGR of 14.2% between 2023E and 2030E. The long-term growth rate is set at 2.0%.

ROCE. Returns on capital are developing from -1.6% in 2023E to 7.7% in 2030E.

2.02

WACC. Starting point is a historical equity beta of 1.00. Unleverering and correcting for mean reversion yields an asset beta of 0.71. Combined with a risk-free rate of 2.0% and an equity risk premium of 6.0% this yields cost of equity of 10.4%. With pre-tax cost of borrowing at 7.5%, a tax rate of 35.0% and target debt/equity of 1.5 this results in a long-term WACC of 7.1%.

DCF (EURm) (except per share data and beta)	2023E	2024E	2025E	2026E	2027E	2028E	2029E	2030E	Terminal value
NOPAT	-2.5	3.7	7.4	11.6	14.7	17.8	20.9	25.4	
Depreciation & amortization	10.0	10.5	12.1	13.7	15.4	17.0	18.6	19.1	
Change in working capital	15.7	-5.8	-4.0	-3.0	-2.6	-2.6	-2.7	-3.4	
Chg. in long-term provisions	3.7	0.4	-0.1	2.1	1.9	1.9	1.9	2.1	
Capex	-23.5	-13.2	-34.1	-42.0	-41.4	-40.9	-40.3	-16.3	
Cash flow	3.5	-4.4	-18.6	-17.5	-12.1	-6.9	-1.6	26.8	537.1
Present value	3.4	-4.1	-16.0	-13.9	-8.9	-4.7	-1.0	15.8	329.5
WACC	7.3%	7.4%	7.6%	7.6%	7.7%	7.7%	7.7%	7.7%	7.1%

DCF per share derived from	
Total present value	300.1
Mid-year adj. total present value	311.2
Net debt / cash at start of year	127.3
Financial assets	12.8
Provisions and off b/s debt	0.0
Equity value	196.8
No. of shares outstanding	61.2
Discounted cash flow / share	3.21
upside/(downside)	59.5%

DCF avg. growth and earnings assumptions	
Planning horizon avg. revenue growth (2023E-2030E)	14.2%
Terminal value growth (2030E - infinity)	2.0%
Terminal year ROCE	7.7%
Terminal year WACC	7.1%

Terminal WACC derived from	
Cost of borrowing (before taxes)	7.5%
Long-term tax rate	35.0%
Equity beta	1.00
Unlevered beta (industry or company)	0.71
Target debt / equity	1.5
Relevered beta	1.40
Risk-free rate	2.0%
Equity risk premium	6.0%
Cost of equity	10.4%

Sensitivity ana	lysis DCF							
		Share of present value						
		1.0%	1.5%	2.0%	2.5%	3.0%		
20	2.0%	0.7	0.9	1.2	1.5	1.8	2023E-2026E	-10.2%
× ×	1.0%	1.4	1.7	2.0	2.4	2.9	2027E-2030E	0.4%
e in nts)	0.0%	2.3	2.7	3.2	3.8	4.6	terminal value	109.8%
ing(ooir	-1.0%	3.5	4.2	5.0	6.1	7.5		
Change (%-point	-2.0%	5.4	6.5	8.0	10.1	13.1		

Source: AlsterResearch

Share price





FCF Yield Model

Due to the fact that companies rarely bear sufficient resemblance to peers in terms of geographical exposure, size or competitive strength and in order to adjust for the pitfalls of weak long-term visibility, an Adjusted Free Cash Flow analysis (Adjusted FCF) has been conducted.

The adjusted Free Cash Flow Yield results in a fair value between EUR -1.01 per share based on 2023E and EUR 3.38 per share on 2027E estimates.

The main driver of this model is the level of return available to a controlling investor, influenced by the cost of that investors' capital (opportunity costs) and the purchase price – in this case the enterprise value of the company. Here, the adjusted FCF yield is used as a proxy for the required return and is defined as EBITDA less minority interest, taxes and investments required to maintain existing assets (maintenance capex).

FCF yield in EURm	2023E	2024E	2025E	2026E	2027E
EDITO 4		45.0	20.7	•••	24.4
EBITDA	6.5	15.8	22.7	30.3	36.4
- Maintenance capex	7.3	7.8	9.0	10.4	11.7
- Minorities	0.0	0.0	0.0	0.0	0.0
- tax expenses	-4.2	-2.6	-2.5	-1.8	-1.4
= Adjusted FCF	3.4	10.6	16.2	21.7	26.1
Actual Market Cap	123.4	123.4	123.4	123.4	123.4
+ Net debt (cash)	131.1	145.3	177.2	210.6	240.8
+ Pension provisions	0.0	0.0	0.0	0.0	0.0
+ Off B/S financing	0.0	0.0	0.0	0.0	0.0
- Financial assets	12.8	12.8	12.8	12.8	12.8
- Acc. dividend payments	0.0	0.0	0.0	0.0	0.0
EV Reconciliations	118.3	132.5	164.4	197.8	227.9
= Actual EV'	241.7	255.9	287.8	321.2	351.3
Adjusted FCF yield	1.4%	4.2%	5.6%	6.8%	7.4%
base hurdle rate	7.0%	7.0%	7.0%	7.0%	7.0%
ESG adjustment	1.0%	1.0%	1.0%	1.0%	1.0%
adjusted hurdle rate	6.0%	6.0%	6.0%	6.0%	6.0%
Fair EV	56.6	177.2	269.5	362.1	434.9
- EV Reconciliations	118.3	132.5	164.4	197.8	227.9
Fair Market Cap	-61.7	44.7	105.0	164.3	207.0
No. of shares (million)	61.2	61.2	61.2	61.2	61.2
Fair value per share in EU		0.73	1.72	2.68	3.38
Premium (-) / discount (+)		-63.8%	-14.9%	33.2%	67.7%
Sensitivity analysis FV					
Sensitivity analysis FV					
	.0% -0.5	2.2	3.9	5.6	6.9
Adjuste 5	.0% -0.8	1.3	2.6	3.9	4.8
d hurdle 6.	.0% -1.0	0.7	1.7	2.7	3.4
rate 7	.0% -1.1	0.3	1.1	1.8	2.4
8	.0% -1.2	0.0	0.6	1.2	1.6

Source: Company data; AlsterResearch

Simply put, the model assumes that investors require companies to generate a minimum return on the investor's purchase price. The required after-tax return equals the model's hurdle rate of 7.0%. Anything less suggests the stock is expensive; anything more suggests the stock is cheap. **ESG adjustments might be applicable.** A high score indicates high awareness for environmental, social or governance issues and thus might lower the overall risk an investment in the company might carry. A low score on the contrary might increase the risk of an investment and might therefore trigger a higher required hurdle rate.

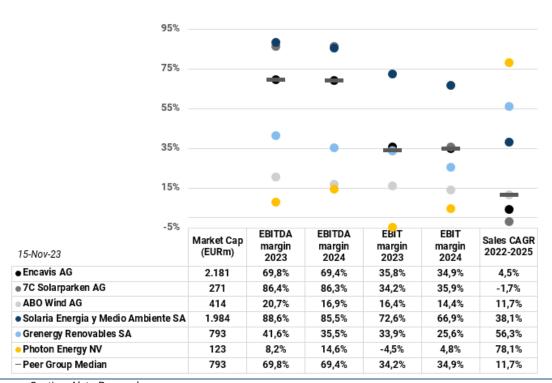




Peer group analysis

A peer group or comparable company ("comps") analysis is a methodology that calculates a company's relative value — how much it should be worth based on how it compares to other similar companies. Given that **Photon Energy NV** differs quite significantly in terms of size, focus, financial health and growth trajectory, we regard our peer group analysis merely as a support for other valuation methods. The peer group of Photon Energy NV consists of the stocks displayed in the chart below. As of 15 November 2023 the median market cap of the peer group was EUR 793.5m, compared to EUR 123.4m for Photon Energy NV. In the period under review, the peer group was more profitable than Photon Energy NV. The expectations for sales growth are lower for the peer group than for Photon Energy NV.

Peer Group - Key data



Source: Sentieo, AlsterResearch

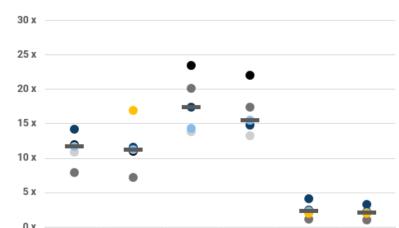




Comparable company analysis operates under the assumption that similar companies will have similar valuation multiples. We use the following multiples: EV/EBITDA 2023, EV/EBITDA 2024, EV/EBIT 2023, EV/EBIT 2024, P/BV 2023 and P/BV 2024.

Applying these to Photon Energy NV results in a range of fair values from EUR 0.01 to EUR 0.76.

Peer Group - Multiples and valuation



15-Nov-23	EV/EBITDA 2023	EV/EBITDA 2024	EV/EBIT 2023	EV/EBIT 2024	P/BV 2023	P/BV 2024
Encavis AG	12,1x	11,1x	23,6x	22,1x	2,5x	2,3x
 7C Solarparken AG 	8,0x	7,3x	20,2x	17,5x	1,2x	1,1x
ABO Wind AG	10,9x	11,4x	13,9x	13,4x	2,3x	2,2x
 Solaria Energia y Medio Ambiente SA 	14,3x	11,6x	17,5x	14,9x	4,2x	3,3x
Grenergy Renovables SA	11,8x	11,3x	14,4x	15,6x	2,4x	2,2x
Photon Energy NV	39,4x	17,0x	-72,5x	51,4x	2,0x	2,0x
- Peer Group Median	11,8x	11,3x	17,5x	15,6x	2,4x	2,2x
Fair Value (EUR)	-0,90	0,76	-3,14	-0,81	0,01	-0,12

Source: Sentieo, AlsterResearch

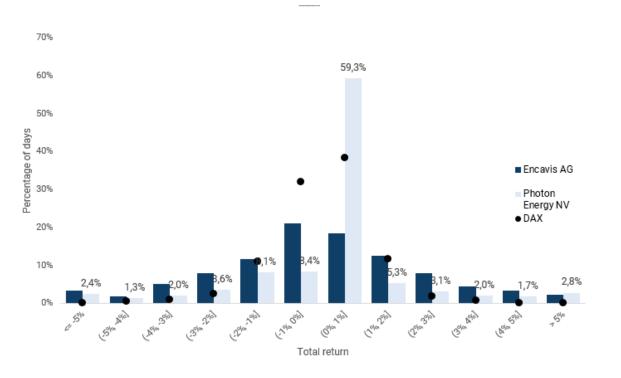




Risk

The chart displays the **distribution of daily returns of Photon Energy NV** over the last 3 years, compared to the same distribution for Encavis AG. We have also included the distribution for the index DAX. The distribution gives a better understanding of risk than measures like volatility, which assume that log returns are normally distributed. In reality, they are skewed (down moves are larger) and have fat tails (large moves occur more often than predicted). Also, volatility treats up and down moves the same, while investors are more worried about down moves. For Photon Energy NV, the worst day during the past 3 years was 30/06/2021 with a share price decline of -29.6%. The best day was 05/01/2021 when the share price increased by 15.3%.

Risk - Daily Returns Distribution (trailing 3 years)

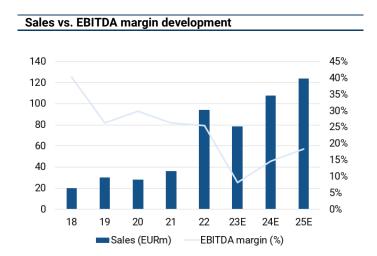


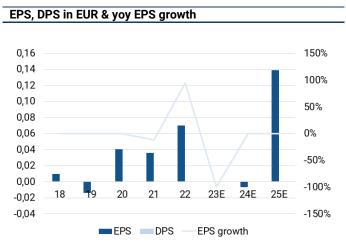
Source: Sentieo, AlsterResearch



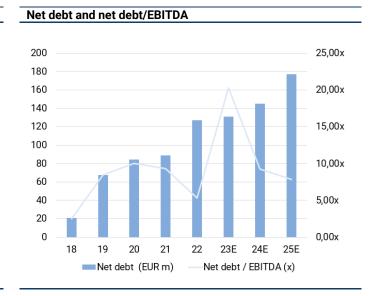


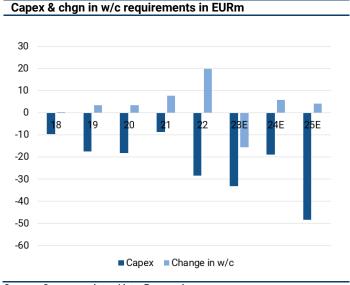
Financials in six charts

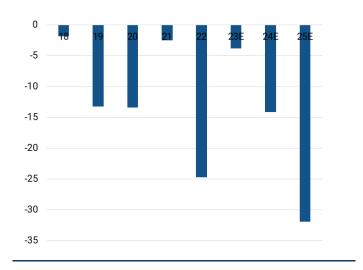




ROCE vs. WACC (pre tax) 10% 8% 6% 4% 2% 0% 22 24E 18 19 20 25E -2% -4% -ROCE WACC pre tax







Free Cash Flow in EURm





Financials

Profit and loss (EURm)	2020	2021	2022	2023E	2024E	2025E
Net sales	28.3	36.4	94.2	78.7	107.9	124.1
Sales growth	-6.3%	28.7%	159.1%	-16.4%	37.1%	15.0%
Change in finished goods and work-in-process	0.0	0.0	0.0	0.0	0.0	0.0
Total sales	28.3	36.4	94.2	78.7	107.9	124.1
Material expenses	4.6	12.7	44.1	31.4	32.6	34.0
Gross profit	23.6	23.6	50.1	47.4	75.3	90.0
Other operating income	0.4	0.6	0.6	0.8	1.1	1.2
Personnel expenses	5.8	6.7	9.5	26.0	39.1	46.2
Other operating expenses	9.7	7.7	17.0	15.7	21.6	22.3
EBITDA	8.4	9.6	24.1	6.5	15.8	22.7
Depreciation	8.3	10.7	9.0	9.1	9.7	11.3
EBITA	0.1	-1.1	15.1	-2.6	6.1	11.4
Amortisation of goodwill and intangible assets	0.3	-0.2	0.6	0.9	8.0	8.0
EBIT	-0.1	-0.9	14.5	-3.5	5.2	10.6
Financial result	-6.4	-5.2	-8.3	-10.4	-13.9	-19.0
Recurring pretax income from continuing operations	-6.5	-6.1	6.2	-13.9	-8.7	-8.4
Extraordinary income/loss	0.0	0.0	0.0	0.0	0.0	0.0
Earnings before taxes	-6.5	-6.1	6.2	-13.9	-8.7	-8.4
Taxes	2.2	0.5	3.5	-4.2	-2.6	-2.5
Net income from continuing operations	-8.7	-6.6	2.8	-9.8	-6.1	-5.9
Result from discontinued operations (net of tax)	10.8	8.5	1.5	9.8	5.7	14.4
Net income	2.1	2.0	4.3	0.0	-0.4	8.5
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0
Net profit (reported)	2.1	2.0	4.3	0.0	-0.4	8.5
Average number of shares	51.20	54.36	61.24	61.24	61.24	61.24
EPS reported	0.04	0.04	0.07	0.00	-0.01	0.14

Profit and loss (common size)	2020	2021	2022	2023E	2024E	2025E
Net sales	100%	100%	100%	100%	100%	100%
Change in finished goods and work-in-process	0%	0%	0%	0%	0%	0%
Total sales	100%	100%	100%	100%	100%	100%
Material expenses	16%	35%	47%	40%	30%	27%
Gross profit	84%	65%	53%	60%	70%	73%
Other operating income	1%	2%	1%	1%	1%	1%
Personnel expenses	21%	19%	10%	33%	36%	37%
Other operating expenses	34%	21%	18%	20%	20%	18%
EBITDA	30%	26%	26%	8%	15%	18%
Depreciation	29%	29%	10%	12%	9%	9%
EBITA	0%	-3%	16%	-3%	6%	9%
Amortisation of goodwill and intangible assets	1%	-1%	1%	1%	1%	1%
EBIT	-1%	-2%	15%	-4%	5%	9%
Financial result	-23%	-14%	-9%	-13%	-13%	-15%
Recurring pretax income from continuing operations	-23%	-17%	7%	-18%	-8%	-7%
Extraordinary income/loss	0%	0%	0%	0%	0%	0%
Earnings before taxes	-23%	-17%	7%	-18%	-8%	-7%
Taxes	8%	1%	4%	-5%	-2%	-2%
Net income from continuing operations	-31%	-18%	3%	-12%	-6%	-5%
Result from discontinued operations (net of tax)	38%	23%	2%	12%	5%	12%
Net income	7%	5%	5%	0%	-0%	7%
Minority interest	0%	0%	0%	0%	0%	0%
Net profit (reported)	7%	5%	5%	0%	-0%	7%





Balance sheet (EURm)	2020	2021	2022	2023E	2024E	2025E
Intangible assets (exl. Goodwill)	1.3	0.8	13.0	12.1	11.3	10.5
Goodwill	0.0	0.0	0.0	0.0	0.0	0.0
Property, plant and equipment	126.3	127.5	145.3	169.5	178.7	215.
Financial assets	7.5	14.1	12.8	12.8	12.8	12.
FIXED ASSETS	135.1	142.5	171.2	194.4	202.8	239.
Inventories	1.0	2.2	15.8	6.9	7.1	7.
Accounts receivable	6.1	9.1	27.8	19.4	26.6	30.
Other current assets	2.2	2.9	3.2	3.2	3.2	3.
Liquid assets	14.3	39.4	21.4	13.9	39.7	62.
Deferred taxes	0.0	0.3	0.0	0.0	0.0	0.
Deferred charges and prepaid expenses	0.3	0.3	0.9	0.6	0.9	1.0
CURRENT ASSETS	23.9	54.2	69.1	44.0	77.5	105.0
TOTAL ASSETS	158.9	196.6	240.2	238.4	280.3	344.:
SHAREHOLDERS EQUITY	40.2	51.7	60.7	60.7	60.3	68.
MINORITY INTEREST	-0.1	-0.1	-0.2	-0.2	-0.2	-0.:
Long-term debt	92.8	100.0	138.2	135.0	175.0	230.0
	0.0	0.0	0.0	0.0	0.0	0.0
Provisions for pensions and similar obligations	10.8	11.1	12.0	15.7	16.2	16.
Other provisions		111.1	150.2	150.7	191.2	246.
Non-current liabilities	103.6					
short-term liabilities to banks	6.0	28.5	10.4	10.0	10.0	10.0
Accounts payable	3.7	2.3	12.4	7.7	8.0	8.4
Advance payments received on orders	0.0	0.0	0.0	0.0	0.0	0.0
Other liabilities (incl. from lease and rental contracts)	4.9	3.2	4.4	7.1	8.6	8.
Deferred taxes	0.6	0.0	2.3	2.3	2.3	2.
Deferred income	0.0	0.0	0.0	0.0	0.0	0.
Current liabilities	15.2	34.0	29.5	27.2	29.0	29.
Balance sheet (common size)	2020	2021	2022	2023E	2024E	2025
Intangible assets (excl. Goodwill)	1%	0%	5%	5%	4%	
Coodwill				0 /0		37
Goodwill	0%	0%	0%	0%	0%	
Property, plant and equipment	0% 80%	0% 65%	0% 60%			09
				0%	0%	09 639
Property, plant and equipment	80%	65%	60%	0% 71%	0% 64%	09 639 49
Property, plant and equipment Financial assets	80% 5%	65% 7%	60% 5%	0% 71% 5%	0% 64% 5%	639 49 69 9
Property, plant and equipment Financial assets FIXED ASSETS	80% 5% 85%	65% 7% 72%	60% 5% 71%	0% 71% 5% 82 %	0% 64% 5% 72%	639 639 699 29
Property, plant and equipment Financial assets FIXED ASSETS Inventories	80% 5% 85% 1%	65% 7% 72% 1%	60% 5% 71% 7%	0% 71% 5% 82% 3%	0% 64% 5% 72% 3%	09 639 49 699 29
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets	80% 5% 85% 1% 4%	65% 7% 72% 1% 5%	60% 5% 71% 7% 12%	0% 71% 5% 82% 3% 8%	0% 64% 5% 72% 3% 9%	09 639 49 699 29 99
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets	80% 5% 85% 1% 4%	65% 7% 72% 1% 5% 1%	60% 5% 71% 7% 12% 1%	0% 71% 5% 82% 3% 8% 1%	0% 64% 5% 72% 3% 9%	09 639 49 699 29 99 19
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes	80% 5% 85% 1% 4% 1% 9%	65% 7% 72% 1% 5% 1% 20%	60% 5% 71% 7% 12% 1% 9%	0% 71% 5% 82% 3% 8% 1%	0% 64% 5% 72% 3% 9% 1%	09 639 49 699 29 99 19
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses	80% 5% 85% 1% 4% 1% 9% 0%	65% 7% 72% 1% 5% 1% 20% 0%	60% 5% 71% 7% 12% 1% 9% 0%	0% 71% 5% 82% 3% 8% 1% 6% 0%	0% 64% 5% 72% 3% 9% 1% 14% 0%	09 639 49 699 29 99 19 189 09
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses CURRENT ASSETS	80% 5% 85% 1% 4% 1% 9% 0% 0%	65% 7% 72% 1% 5% 1% 20% 0% 0% 28%	60% 5% 71% 7% 12% 1% 9% 0% 0%	0% 71% 5% 82% 3% 8% 1% 6% 0% 0%	0% 64% 5% 72% 3% 9% 1% 14% 0% 0% 28%	09 639 49 699 29 99 19 189 09 09
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses CURRENT ASSETS TOTAL ASSETS	80% 5% 85% 1% 4% 1% 9% 0% 0% 15%	65% 7% 72% 1% 5% 1% 20% 0% 0% 28%	60% 5% 71% 7% 12% 1% 9% 0% 0% 29%	0% 71% 5% 82% 3% 8% 1% 6% 0% 18%	0% 64% 5% 72% 3% 9% 1% 14% 0% 0% 28%	09 639 49 699 29 99 19 189 09 319
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses CURRENT ASSETS TOTAL ASSETS SHAREHOLDERS EQUITY	80% 5% 85% 1% 4% 1% 9% 0% 15%	65% 7% 72% 1% 5% 1% 20% 0% 0% 28% 100% 26%	60% 5% 71% 7% 12% 1% 9% 0% 0% 29% 100%	0% 71% 5% 82% 3% 8% 1% 6% 0% 18% 100% 25%	0% 64% 5% 72% 3% 9% 1% 14% 0% 0% 28% 100%	09 639 49 699 29 99 19 189 09 319 1009
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses CURRENT ASSETS TOTAL ASSETS SHAREHOLDERS EQUITY MINORITY INTEREST	80% 5% 85% 1% 4% 1% 9% 0% 15% 100% 25% -0%	65% 7% 72% 1% 5% 1% 20% 0% 0% 28% 100% 26% -0%	60% 5% 71% 7% 12% 1% 9% 0% 0% 29% 100% 25% -0%	0% 71% 5% 82% 3% 8% 1% 6% 0% 0% 18% 100% 25% -0%	0% 64% 5% 72% 3% 9% 1% 14% 0% 0% 28% 100% 22% -0%	09 639 49 699 29 99 19 189 09 319 1009 209
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses CURRENT ASSETS TOTAL ASSETS SHAREHOLDERS EQUITY MINORITY INTEREST Long-term debt	80% 5% 85% 1% 4% 1% 9% 0% 15% 100% 25% -0% 58%	65% 7% 72% 1% 5% 1% 20% 0% 0% 28% 100% 26% -0% 51%	60% 5% 71% 7% 12% 1% 9% 0% 0% 29% 100% 25% -0% 58%	0% 71% 5% 82% 3% 8% 1% 6% 0% 0% 18% 100% 25% -0% 57%	0% 64% 5% 72% 3% 9% 1% 14% 0% 0% 28% 100% 22% -0% 62%	09 639 699 29 99 19 189 09 319 1009 209 679
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses CURRENT ASSETS TOTAL ASSETS SHAREHOLDERS EQUITY MINORITY INTEREST Long-term debt Provisions for pensions and similar obligations	80% 5% 85% 1% 4% 1% 9% 0% 15% 100% 25% -0% 58%	65% 7% 72% 1% 5% 1% 20% 0% 0% 28% 100% 26% -0% 51%	60% 5% 71% 7% 12% 1% 9% 0% 29% 100% 25% -0% 58%	0% 71% 5% 82% 3% 8% 1% 6% 0% 0% 18% 100% 25% -0% 57%	0% 64% 5% 72% 3% 9% 1% 14% 0% 0% 28% 100% 22% -0% 62% 0%	09 639 49 699 29 99 19 189 09 319 1009 209 679
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses CURRENT ASSETS TOTAL ASSETS SHAREHOLDERS EQUITY MINORITY INTEREST Long-term debt Provisions for pensions and similar obligations Other provisions	80% 5% 85% 1% 4% 1% 9% 0% 15% 100% 25% -0% 58% 0% 7%	65% 7% 72% 1% 5% 1% 20% 0% 0% 28% 100% 26% -0% 51% 0%	60% 5% 71% 7% 12% 1% 9% 0% 0% 29% 100% 25% -0% 58% 0%	0% 71% 5% 82% 3% 8% 1% 6% 0% 18% 100% 25% -0% 57% 0%	0% 64% 5% 72% 3% 9% 1% 14% 0% 0% 28% 100% 22% -0% 62% 0%	39 09 639 49 699 29 99 19 189 09 319 1009 679 09
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses CURRENT ASSETS TOTAL ASSETS SHAREHOLDERS EQUITY MINORITY INTEREST Long-term debt Provisions for pensions and similar obligations Other provisions Non-current liabilities	80% 5% 85% 1% 4% 1% 9% 0% 15% 100% 25% -0% 58% 0% 7%	65% 7% 72% 1% 5% 1% 20% 0% 0% 28% 100% 26% -0% 51% 0% 6%	60% 5% 71% 7% 12% 1% 9% 0% 0% 29% 100% 25% -0% 58% 0% 5% 63%	0% 71% 5% 82% 3% 8% 1% 6% 0% 0% 18% 100% 25% -0% 57% 0% 7%	0% 64% 5% 72% 3% 9% 1% 14% 0% 0% 28% 100% 22% -0% 62% 6% 6%	09 639 49 699 29 99 19 189 09 319 1009 679 679 729
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses CURRENT ASSETS TOTAL ASSETS SHAREHOLDERS EQUITY MINORITY INTEREST Long-term debt Provisions for pensions and similar obligations Other provisions Non-current liabilities short-term liabilities to banks	80% 5% 85% 1% 4% 1% 9% 0% 0% 15% 100% 25% -0% 58% 0% 7% 65% 4%	65% 7% 72% 1% 5% 1% 20% 0% 0% 28% 100% 26% -0% 51% 0% 6% 57%	60% 5% 71% 7% 12% 1% 9% 0% 0% 29% 100% 25% -0% 58% 0% 5% 63% 4%	0% 71% 5% 82% 3% 8% 1% 6% 0% 0% 18% 100% 25% -0% 57% 0% 7% 63% 4%	0% 64% 5% 72% 3% 9% 1% 14% 0% 0% 28% 100% 22% -0% 62% 0% 68% 4%	09 639 49 699 29 99 19 188 09 319 1009 209 679 09 59 729
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses CURRENT ASSETS TOTAL ASSETS SHAREHOLDERS EQUITY MINORITY INTEREST Long-term debt Provisions for pensions and similar obligations Other provisions Non-current liabilities short-term liabilities to banks Accounts payable	80% 5% 85% 1% 4% 1% 9% 0% 0% 15% 100% 25% -0% 58% 0% 7% 65% 4% 2%	65% 7% 72% 1% 5% 1% 20% 0% 0% 28% 100% 26% -0% 51% 0% 6% 57% 14% 1%	60% 5% 71% 7% 12% 1% 9% 0% 0% 29% 100% 25% -0% 58% 0% 5% 63% 4% 5%	0% 71% 5% 82% 3% 8% 1% 6% 0% 0% 18% 100% 25% -0% 57% 0% 7% 63% 4% 3%	0% 64% 5% 72% 3% 9% 1% 14% 0% 0% 28% 100% 22% -0% 62% 0% 6% 6% 6% 4% 3%	09 639 49 699 29 99 19 189 09 319 1009 679 679 729
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses CURRENT ASSETS TOTAL ASSETS SHAREHOLDERS EQUITY MINORITY INTEREST Long-term debt Provisions for pensions and similar obligations Other provisions Non-current liabilities short-term liabilities to banks Accounts payable Advance payments received on orders	80% 5% 85% 1% 4% 1% 9% 0% 0% 15% 100% 25% -0% 58% 0% 7% 65% 4% 2% 0%	65% 7% 72% 1% 5% 1% 20% 0% 0% 28% 100% 26% -0% 51% 0% 6% 57% 14% 1% 0%	60% 5% 71% 7% 12% 1% 9% 0% 0% 29% 100% 25% -0% 58% 0% 5% 63% 4% 5% 0%	0% 71% 5% 82% 3% 8% 1% 6% 0% 0% 18% 100% 25% -0% 57% 0% 7% 63% 4% 3% 0%	0% 64% 5% 72% 3% 9% 1% 14% 0% 0% 28% 100% 22% -0% 62% 0% 6% 6% 6% 4% 3% 0%	09 639 49 699 29 99 19 189 09 319 1009 209 679 09 59 729
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses CURRENT ASSETS TOTAL ASSETS SHAREHOLDERS EQUITY MINORITY INTEREST Long-term debt Provisions for pensions and similar obligations Other provisions Non-current liabilities short-term liabilities to banks Accounts payable Advance payments received on orders Other liabilities (incl. from lease and rental contracts)	80% 5% 85% 1% 4% 1% 9% 0% 0% 15% 100% 25% -0% 58% 0% 7% 65% 4% 2% 0% 3%	65% 7% 72% 1% 5% 1% 20% 0% 0% 28% 100% 26% -0% 51% 0% 6% 57% 14% 1% 0% 2%	60% 5% 71% 7% 12% 1% 9% 0% 0% 29% 100% 25% -0% 58% 0% 5% 63% 4% 5% 0% 2%	0% 71% 5% 82% 3% 8% 1% 6% 0% 0% 18% 100% 25% -0% 57% 0% 7% 63% 4% 3% 0% 3%	0% 64% 5% 72% 3% 9% 1% 14% 0% 0% 28% 100% 22% -0% 66% 68% 4% 3% 0% 3%	09 639 49 29 99 119 189 09 319 1009 209 679 09 59 729 39
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses CURRENT ASSETS TOTAL ASSETS SHAREHOLDERS EQUITY MINORITY INTEREST Long-term debt Provisions for pensions and similar obligations Other provisions Non-current liabilities short-term liabilities to banks Accounts payable Advance payments received on orders Other liabilities (incl. from lease and rental contracts) Deferred taxes	80% 5% 85% 1% 4% 1% 9% 0% 0% 15% 100% 25% -0% 58% 0% 7% 65% 4% 2% 0% 3% 0%	65% 7% 72% 1% 5% 1% 20% 0% 0% 28% 100% 26% -0% 51% 0% 6% 57% 14% 1% 0% 2% 0%	60% 5% 71% 7% 12% 1% 9% 0% 0% 29% 100% 25% -0% 58% 0% 5% 63% 4% 5% 0% 2% 1%	0% 71% 5% 82% 3% 8% 1% 6% 0% 0% 18% 100% 25% -0% 57% 0% 7% 63% 4% 3% 0% 3% 1%	0% 64% 5% 72% 3% 9% 1% 14% 0% 0% 28% 100% 22% -0% 62% 0% 6% 6% 6% 4% 3% 0% 3% 1%	09 639 49 699 29 99 189 09 319 1009 679 679 59 729 39 29 09 319
Property, plant and equipment Financial assets FIXED ASSETS Inventories Accounts receivable Other current assets Liquid assets Deferred taxes Deferred charges and prepaid expenses CURRENT ASSETS TOTAL ASSETS SHAREHOLDERS EQUITY MINORITY INTEREST Long-term debt Provisions for pensions and similar obligations Other provisions Non-current liabilities short-term liabilities to banks Accounts payable Advance payments received on orders Other liabilities (incl. from lease and rental contracts)	80% 5% 85% 1% 4% 1% 9% 0% 0% 15% 100% 25% -0% 58% 0% 7% 65% 4% 2% 0% 3%	65% 7% 72% 1% 5% 1% 20% 0% 0% 28% 100% 26% -0% 51% 0% 6% 57% 14% 1% 0% 2%	60% 5% 71% 7% 12% 1% 9% 0% 0% 29% 100% 25% -0% 58% 0% 5% 63% 4% 5% 0% 2%	0% 71% 5% 82% 3% 8% 1% 6% 0% 0% 18% 100% 25% -0% 57% 0% 7% 63% 4% 3% 0% 3%	0% 64% 5% 72% 3% 9% 1% 14% 0% 0% 28% 100% 22% -0% 66% 68% 4% 3% 0% 3%	09 639 49 29 99 119 189 09 319 1009 209 679 09 59 729 39

10%

100%

17%

100%

12%

100%

11%

100%

Source: Company data; AlsterResearch

TOTAL LIABILITIES AND SHAREHOLDERS EQUITY

Current liabilities



9%

100%

10%

100%



Cash flow statement (EURm)	2020	2021	2022	2023E	2024E	2025E
Net profit/loss	-6.5	-5.9	6.2	0.0	-0.4	8.5
Depreciation of fixed assets (incl. leases)	8.3	10.7	8.9	9.1	9.7	11.3
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	0.0	0.0	0.7	0.9	0.8	0.8
Others	6.4	9.0	7.8	3.7	0.4	-0.1
Cash flow from operations before changes in w/c	8.2	13.7	23.6	13.7	10.6	20.6
Increase/decrease in inventory	0.1	-1.2	-13.4	9.0	-0.3	-0.3
Increase/decrease in accounts receivable	-1.8	-1.6	-10.9	8.3	-7.2	-4.0
Increase/decrease in accounts payable	-1.6	-2.4	5.0	-4.7	0.3	0.4
Increase/decrease in other w/c positions	-0.1	-2.5	-0.5	3.0	1.3	-0.1
Increase/decrease in working capital	-3.3	-7.6	-19.9	15.7	-5.8	-4.0
Cash flow from operating activities	4.8	6.1	3.7	29.4	4.7	16.5
CAPEX	-18.3	-8.6	-28.4	-33.2	-18.9	-48.5
Payments for acquisitions	-0.0	0.0	-6.2	0.0	0.0	0.0
Financial investments	-1.9	-5.6	0.4	0.0	0.0	0.0
Income from asset disposals	0.0	0.0	0.0	0.0	0.0	0.0
Cash flow from investing activities	-20.2	-14.2	-34.3	-33.2	-18.9	-48.5
Cash flow before financing	-15.3	-8.1	-30.6	-3.8	-14.2	-31.9
Increase/decrease in debt position	18.6	29.8	18.0	-3.6	40.0	55.0
Purchase of own shares	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
Dividends paid	0.0	0.0	0.0	0.0	0.0	0.0
Others	-6.7	-6.9	-8.7	0.0	0.0	0.0
Effects of exchange rate changes on cash	0.0	0.0	0.0	0.0	0.0	0.0
Cash flow from financing activities	11.9	22.9	9.3	-3.6	40.0	55.0
Increase/decrease in liquid assets	-3.4	14.8	-21.2	-7.5	25.8	23.1
Liquid assets at end of period	9.9	32.5	11.3	3.8	29.6	52.7
Course: Company data: AlatarDagarah						

Regional sales split (EURm)	2020	2021	2022	2023E	2024E	2025E
Domestic	0.0	0.0	0.0	0.0	0.0	0.0
Europe (ex domestic)	22.8	29.3	89.1	76.2	103.3	119.6
The Americas	0.0	0.0	0.0	0.0	0.0	0.0
Asia	0.0	0.0	0.0	0.0	0.0	0.0
Rest of World	5.5	7.1	5.1	2.5	4.6	4.4
Total sales	28.3	36.4	94.2	78.7	107.9	124.1

Regional sales split (common size)	2020	2021	2022	2023E	2024E	2025E
Domestic	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Europe (ex domestic)	80.6%	80.6%	94.6%	96.8%	95.7%	96.4%
The Americas	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Asia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Rest of World	19.4%	19.4%	5.4%	3.2%	4.3%	3.6%
Total sales	100%	100%	100%	100%	100%	100%
Source: Company data; AlsterResearch						





Ratios	2020	2021	2022	2023E	2024E	2025E
Per share data						
Earnings per share reported	0.04	0.04	0.07	0.00	-0.01	0.14
Cash flow per share	-0.04	-0.04	-0.06	0.36	-0.05	0.12
Book value per share	0.79	0.95	0.99	0.99	0.99	1.12
Dividend per share	0.00	0.00	0.00	0.00	0.00	0.00
Valuation						
P/E	49.5x	56.0x	28.8x	5,847.1x	-303.4x	14.5x
P/CF	-57.2x	-45.2x	-35.9x	5.6x	-40.8x	16.5x
P/BV	2.6x	2.1x	2.0x	2.0x	2.0x	1.8x
Dividend yield (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
FCF yield (%)	-1.7%	-2.2%	-2.8%	18.0%	-2.5%	6.1%
EV/Sales	7.4x	5.8x	2.7x	3.2x	2.5x	2.4x
EV/EBITDA	24.6x	22.2x	10.4x	39.4x	17.0x	13.2x
EV/EBIT	-1,464.3x	-249.4x	17.2x	-72.5x	51.4x	28.4x
Income statement (EURm)						
Sales	28.3	36.4	94.2	78.7	107.9	124.1
yoy chg in %	-6.3%	28.7%	159.1%	-16.4%	37.1%	15.0%
Gross profit	23.6	23.6	50.1	47.4	75.3	90.0
Gross margin in %	83.6%	65.0%	53.1%	60.2%	69.8%	72.6%
EBITDA	8.4	9.6	24.1	6.5	15.8	22.7
EBITDA margin in %	29.9%	26.4%	25.5%	8.2%	14.6%	18.3%
EBIT	-0.1	-0.9	14.5	-3.5	5.2	10.6
EBIT margin in %	-0.5%	-2.3%	15.4%	-4.5%	4.8%	8.5%
Net profit	2.1	2.0	4.3	0.0	-0.4	8.5
Cash flow statement (EURm)						
CF from operations	4.8	6.1	3.7	29.4	4.7	16.5
Capex	-18.3	-8.6	-28.4	-33.2	-18.9	-48.5
Maintenance Capex	6.6	8.5	7.2	7.3	7.8	9.0
Free cash flow	-13.5	-2.5	-24.7	-3.8	-14.2	-31.9
Balance sheet (EURm)						
Intangible assets	1.3	0.8	13.0	12.1	11.3	10.5
Tangible assets	126.3	127.5	145.3	169.5	178.7	215.9
Shareholders' equity	40.2	51.7	60.7	60.7	60.3	68.9
Pension provisions	0.0	0.0	0.0	0.0	0.0	0.0
Liabilities and provisions	109.6	139.6	160.6	160.7	201.2	256.1
Net financial debt	84.5	89.1	127.3	131.1	145.3	177.2
w/c requirements	3.5	9.0	31.2	18.6	25.7	29.7
Ratios						
ROE	5.2%	3.8%	7.0%	0.0%	-0.7%	12.4%
ROCE	-0.1%	-0.4%	6.6%	-1.6%	2.0%	3.3%
Net gearing	210.3%	172.4%	209.6%	215.9%	240.8%	257.4%
Net debt / EBITDA	10.0x	9.3x	5.3x	20.3x	9.2x	7.8x
Source: Company data: AlsterResearch						





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