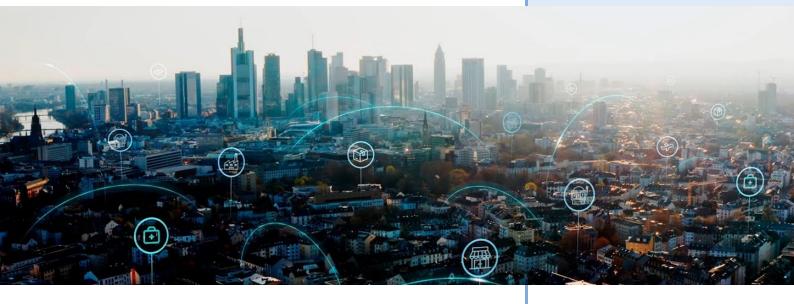


## Kontron AG

## Austria | Technology | MCap EUR 1,504m

19 January 2024

**UPDATE** 



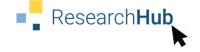
# Acquiring Katek accomplishes Kontron's '22 M&A strategy; BUY

## What's it all about?

Kontron has agreed to acquire a 60% stake in Katek SE, a European electronics company specializing in solar energy and e-mobility, for approx. EUR 217m. The deal is set to be completed by March '24, with Kontron planning a mandatory bid for the remaining shares thereafter. The acquisition aligns with Kontron's strategy to expand its product portfolio, integrating Katek's expertise in renewable energy solutions. The move is expected to enhance Kontron's IoT capabilities and contribute to mid-term gross margin expansion by approx. 5pp. Despite the deal being considered only slightly value accretive (pre-synergies), the consensus price target for Katek suggests its fundamental value considerably surpasses the acquisition cost. Following the transaction, Kontron has raised its FY24 outlook, anticipating consolidated sales of at least EUR 1.9bn and a net profit of around EUR 100m. The acquisition represents the final stage of Kontron's M&A strategy, initiated in '22. We maintain our BUY rating with unchanged PT of EUR 34.00, representing a potential upside of c. 50%.

### BUY (BUY)

Target price EUR 34.00 (34.00)
Current price EUR 23.20
Up/downside 46.6%





### MAIN AUTHOR

### **Thomas Wissler**

t.wissler@alsterresearch.com +49 40 309 293-58

IMPORTANT. Please refer to the last page of this report for "Important disclosures" and analyst(s) certifications.

## alsterresearch.com

This research is the product of AlsterResearch, which is registered with the BaFin in Germany.



## Kontron AG

## Austria | Technology | MCap EUR 1,504m | EV EUR 1,318m

BUY (BUY)

Target price Current price Up/downside EUR 34.00 (34.00) EUR 23.20 46.6% MAIN AUTHOR

**Thomas Wissler** 

t.wissler@alsterresearch.com +49 40 309 293-58

## Acquiring Katek accomplishes Kontron's '22 M&A strategy; BUY

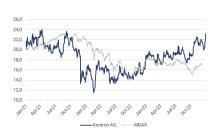
Acquistion of Katek. Kontron yesterday announced that it has agreed to acquire a majority stake (c. 60%) in stock listed Katek SE by signing an agreement with main shareholder PRIMEPULSE (investment vehicle of former Cancom CEO, Klaus Weinmann). Subject to the conditions precedent (antitrust law), the transaction is expected to be completed by March 2024, followed by a mandatory bid to acquire the remaining shares of Katek. Kontron agrees to pay EUR 15.00 per share reflecting a premium of 18% vs. Katek's previous close price. This values Katek at an equity value of c. EUR 217m. This announcement is therefore the largest transaction in the company's history and is expected to contribute significantly to the Group's growth and the expansion of its position as a leading IoT provider.

The target: Katek is a leading European electronics company offering high-quality electronics and products in the fields of solar energy and e-mobility. With more than 3,200 employees, Katek expects sales of more than EUR 800m (eCons) in FY23. Over the last five years, the company grew with a CAGR of 37% (both org. and external) with consensus expectations forecasting another 12% org. CAGR growth in the years to come. The company has operations in Europe, Asia and North America and EBITDA margins (according to consensus estimates) are seen between 5-7%. Besides others, control electronics for photovoltaic systems and the rapidly growing area of intelligent charging solutions for electric vehicles are an important part of Katek's product range.

Rationale: In our view, the rationale for acquiring Katek should be found in Kontron expanding its product portfolio with smart solutions for renewable energies and other industries. In addition, Katek's products are set to be upgraded with Kontron's software expertise and IoT connectivity ultimately leading to mid-term gross margins expansion by around 5pp. Additional synergy effects are seen both from the complementary product portfolio and the global market coverage. -continued-

Kontron AG	2020	2021*	2022	2023E	2024E	2025E
Sales	1,255	1,003	1,096	1,236	1,440	1,540
Growth yoy	11.7%	-20.1%	9.3%	12.7%	16.5%	7.0%
EBITDA	130	90	70	130	158	174
EBIT	69	40	-2	92	109	120
Net profit	56	48	232	76	88	100
Net debt (net cash)	44	65	-203	-269	-297	-340
Net debt/EBITDA	0.3x	0.7x	-2.9x	-2.1x	-1.9x	-2.0x
EPS reported	0.84	0.74	3.59	1.17	1.36	1.54
DPS	0.30	0.35	1.00	0.53	0.61	0.69
Dividend yield	1.3%	1.5%	4.3%	2.3%	2.6%	3.0%
Gross profit margin	37.7%	37.8%	35.8%	36.2%	36.3%	36.4%
EBITDA margin	10.4%	9.0%	6.4%	10.5%	11.0%	11.3%
EBIT margin	5.5%	4.0%	-0.2%	7.5%	7.6%	7.8%
ROCE	8.3%	4.6%	-0.2%	9.3%	11.5%	11.8%
EV/Sales	1.3x	1.6x	1.2x	1.0x	0.9x	0.8x
EV/EBITDA	12.1x	17.7x	18.8x	9.7x	7.8x	6.8x
EV/EBIT	22.9x	39.7x	-653.9x	13.6x	11.3x	10.0x
PER	27.5x	31.2x	6.5x	19.8x	17.1x	15.1x

Source: Company data, AlsterResearch; as of 2021 adj. for continued operation



Source: Company data, AlsterResearch

High/low 52 weeks Price/Book Ratio

23.26 / 16.64 2.4x

**Ticker / Symbols** 

ISIN AT0000A0E9W5 WKN A0X9EJ Bloomberg KTN:GR

**Changes in estimates** 

		Sales	EBIT	EPS
2023E	old	1,236	92	1.17
	Δ	0.0%	0.0%	0.0%
2024E	old	1,440	109	1.36
	Δ	0.0%	0.0%	0.0%
2025E	old	1,540	120	1.54
	Δ	0.0%	0.0%	0.0%

#### Key share data

Number of shares: (in m pcs) 64.83 Book value per share: (in EUR) 9.78 Ø trading volume: (12 months) 114,296

### Major shareholders

•	
Ennoconn Corporation	27.5%
Kontron Management	6.8%
Amiral Gestion	4.4%
Free Float	56.0%

### **Company description**

Kontron AG (formerly S&T AG) is a supplier of information technology (IT) solutions, specializing in Industry 4.0, embedded computer systems and Internet of Things (IoT) technology. Germany, Austria, Switzerland, France, Eastern Europe and North America are its core markets.





Valuation. If acquired in full, Kontron is expected to pay for the shares EUR 217m and an EV (i.e. incl. net debt) of c. EUR 360m. Kontron will finance the acquisition using its own cash with the flipside being that Kontron is terminating its share buyback program prematurely. However, with a one year forward EV/EBITDA multiple of 6.6x, Kontron acquires Katek at a similarly attractive multiple as its own valuation (EV/EBITDA 24E: 7.8x, eAR). Hence, from a valuation perspective (pre synergies), we see this acquisition as slightly value accretive. The consensus price target for Katek of EUR 26.40 however suggests that the fundamental value is seen significantly above the take-out price, underlying the attractiveness of this deal.

**Guidance raised.** Depending on the closing of this transaction, Kontron is raising its outlook for FY24. Including the acquired Katek business, Kontron now expects consolidated sales of at least EUR 1.9bn (depending on the date of consolidation) and net profit of around EUR 100m (previously EUR 1.4bn / net income of more than EUR 87m). **Action**: For the time being, we keep our model unchanged until all relevant ani-trust clearances have been obtained and until we have more visibility in terms of timing.

Conclusion: The planned acquisition of Katek marks the final stage of Kontron's M&A strategy announced in 2022 following the sale of the IT division. While Katek seem to be a good fit into the Kontron Group, currently suppressed multiples allow Kontron to acquire Katek at a favorable price. Compared to Kontron's own valuation we see this deal slightly value accretive with potential upside coming from reaping additional synergies. Hence, we reiterate our BUY recommendation with an unchanged PT of EUR 34.00, offering a handsome upside potential of almost 50%. Note: According to the latest filings, Grosso Tec, an investment vehicle of CEO Hannes Niederhauser also holds a 4.3% stake in Katek. Assuming that Grosso Tec will tender its shares, this would already provide Kontron with access to c. 64% of the outstanding shares in Katek.

The following table shows the consensus estimates (2 analysts) for Katek SE:

Katek	2023E	2024E	2025E
Sales	798	895	998
yoy growth in %		12,2%	11,5%
EBITDA	41	54	73
EBITDA margin	5,1%	6,0%	7,3%
EBIT	16	27	45
EPS	0,37	0,96	1,86
# of shares	14,4 m		
Market Cap	216,69	@	15,00
net debt	141,00		
EV	357,69		
EV/EBITDA	8,7x	6,6x	4,9x
EV/EBIT	22,4x	13,2x	7,9x

Source: marketscreener.com





The following table displays the quarterly performance of  ${\bf Kontron}~{\bf AG:}$ 

P&L data	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023
Sales	428.1	247.0	245.6	262.4	255.7	277.7	283.2	300.0
yoy growth in %	2.3%	-16.0%	-19.9%	-16.2%	-40.3%	12.4%	15.3%	14.4%
Gross profit	108.5	89.3	92.9	97.3	81.4	107.3	115.0	118.2
Gross margin in %	25.3%	36.2%	37.8%	37.1%	31.8%	38.7%	40.6%	39.4%
EBITDA	30.8	23.7	24.8	20.9	-7.2	29.6	31.3	34.9
EBITDA margin in %	7.2%	9.6%	10.1%	8.0%	-2.8%	10.7%	11.1%	11.6%
EBIT	14.5	12.0	12.5	8.1	-40.2	20.6	22.2	25.0
EBIT margin in %	3.4%	4.9%	5.1%	3.1%	-15.7%	7.4%	7.8%	8.3%
EBT	13.0	10.1	10.4	6.3	-42.7	20.2	19.8	22.3
taxes paid	4.1	0.6	1.5	0.9	-2.0	3.6	2.3	3.4
tax rate in %	31.9%	5.5%	14.7%	14.0%	4.6%	17.9%	11.8%	15.1%
net profit	17.6	11.6	12.8	8.3	199.7	16.6	19.0	19.1
yoy growth in %	-27.2%	14.8%	23.0%	-18.0%	1,035.7%	43.1%	48.6%	128.8%
EPS	0.28	0.16	0.20	0.13	3.10	0.26	0.56	0.30



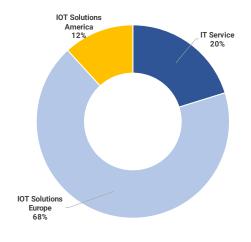


## Investment case in six charts

## **Business units and end markets**



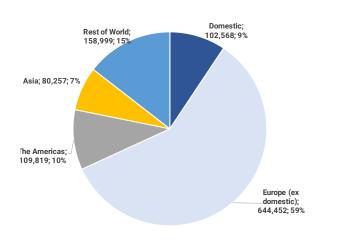
### Segmental breakdown in %



## Guidance

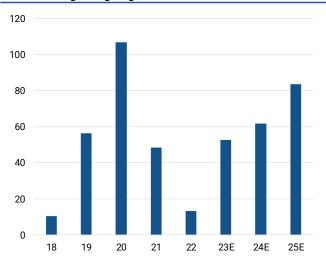
New Guidance 2023 & Outlook 2025							
(in EUR million)	2023E old	2023E new	2025E*				
Revenue	1,200m	1,200m	2,000m				
EBITDA margin (in %)	11%	>11%	13%				
Net Profit	>66m	>72m	140m				

### Regional sales



Source: Company data; AlsterResearch

## FCF to strengthen going forward







## SWOT analysis

### Strengths

- Strong and strategic partnership with Foxconn
- Offers comprehensive suite of solutions in IT Service business
- Strong presence in DACH and EE countries
- Has diversified clients and is present in multiple geographies, minimizing concentration risk

#### Weaknesses

- A large part of revenue accrues from IT Services segment, which is a lowmargin business and has low pricing power
- Lacks a scalable platform
- Avionics, one of its target IoT markets, is witnessing a rough phase due to travel restrictions

#### **Opportunities**

- Has a strong presence in medical and transport segments of IoT market, which are expected to grow well
- Has sufficient liquidity and balance sheet strength to undertake acquisitions in current market where valuations are attractive
- Margin expansion, as focus shifts to higher margin IoT segment and proprietary products
- Expanding presence in China, one of the fastest-growing IoT markets

#### **Threats**

- A relatively small player in the IoT market and could be hard pressed to defend its turf if a larger player enters its segment
- Dependent on Asia for hardware manufacturing and China for raw material. Geopolitical tension in the area could impair its supply chain
- Aggressive acquisitions could drag company's prospects if not properly synergized





## Valuation

## **DCF Model**

The DCF model results in a fair value of EUR 33.68 per share:

**Top-line growth**: We expect Kontron AG to grow revenues at a CAGR of 6.6% between 2023E and 2030E. The long-term growth rate is set at 2.0%.

**ROCE**. Returns on capital are developing from 9.3% in 2023E to 12.0% in 2030E.

**WACC**. Starting point is a historical equity beta of 1.05. Unleverering and correcting for mean reversion yields an asset beta of 1.00. Combined with a risk-free rate of 2.0% and an equity risk premium of 6.0% this yields cost of equity of 10.3%. With pre-tax cost of borrowing at 5.0%, a tax rate of 25% and target debt/equity of 0.5 this results in a long-term WACC of 8.1%.

DCF (EURm) (except per share data and beta)	2023E	2024E	2025E	2026E	2027E	2028E	2029E	2030E	Terminal value
NOPAT	81	96	105	109	114	120	130	136	
Depreciation & amortization	38	49	55	59	62	65	67	69	
Change in working capital	-9	-14	-4	-3	-3	-3	-3	-2	
Chg. in long-term provisions	6	7	3	2	3	3	3	2	
Capex	-58	-68	-69	-70	-71	-73	-75	-73	
Cash flow	59	70	90	98	104	111	122	131	2,204
Present value	59	65	77	78	77	76	77	77	1,284
WACC	8.2%	8.1%	8.1%	8.1%	8.1%	8.1%	8.1%	8.1%	8.1%

DCF per share derived from	
Total present value Mid-year adj. total present value Net debt / cash at start of year Financial assets Provisions and off b/s debt Equity value No. of shares outstanding	1,869 1,943 -203 55 17 2,184 64.8
Discounted cash flow / share upside/(downside)	33.68 45.2%
Share price	23.20

DCF avg. growth and earnings assumptions	
Planning horizon avg. revenue growth (2023E-2030E)	6.6%
Terminal value growth (2030E - infinity)	2.0%
Terminal year ROCE	12.0%
Terminal year WACC	8.1%

Terminal WACC derived from	
Cost of borrowing (before taxes)	5.0%
Long-term tax rate	25%
Equity beta	1.05
Unlevered beta (industry or company)	1.00
Target debt / equity	0.5
Relevered beta	1.38
Risk-free rate	2.0%
Equity risk premium	6.0%
Cost of equity	10.3%

Sensitivity analysis DCF									
		Long term g	jrowth				Share of present value		
		1.0%	1.5%	2.0%	2.5%	3.0%			
700	2.0%	24.7	25.5	26.4	27.3	28.4	2023E-2026E	14.9%	
W	1.0%	27.3	28.3	29.5	30.8	32.4	2027E-2030E	16.4%	
ange in -points)	0.0%	30.6	32.0	33.7	35.6	38.0	terminal value	68.7%	
ango poir	-1.0%	35.0	37.1	39.5	42.5	46.3			
Change (%-point	-2.0%	41.2	44.3	48.3	53.3	59.9			

Source: AlsterResearch





### 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 26.78 per share based on 2023E and EUR 37.55 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
EBITDA		130	158	174	183	192
- Maintenand	ce canex	24	36	44	50	55
- Minorities	se oupex	-1	-1	-1	-1	-1
- tax expense	es	11	13	15	15	16
= Adjusted F		96	110	116	118	122
		1 504	4.504	4 504	4 504	1 504
Actual Mark		1,504	1,504	1,504	1,504	1,504
+ Net debt (d	,	-269	-297	-340	-387	-439
+ Pension pr		21	24	26	27	29
+ Off B/S fin	<b>J</b>	0	0	0	0	0
- Financial as		55	55	55	55	55
	nd payments	65	99	139	184	230
EV Reconcilia		-368	-426	-508	-598	-695
= Actual EV		1,136	1,078	996	906	809
Adjusted FC	F vield	8.4%	10.2%	11.7%	13.0%	15.0%
base hurdle		7.0%	7.0%	7.0%	7.0%	7.0%
ESG adjustm	nent	0.0%	0.0%	0.0%	0.0%	0.0%
adjusted hur		7.0%	7.0%	7.0%	7.0%	7.0%
Fair EV		1,368	1,574	1,662	1,688	1,740
- EV Reconci	liations	-368	-426	-508	-598	-695
Fair Market		1,736	2,000	2,170	2,286	2,434
No. of share	o (million)	65	65	65	65	65
	er share in EUR	<b>26.78</b>	30.84	<b>33.47</b>	<b>35.26</b>	<b>37.55</b>
	/ discount (+)	26.78 15.4%	32.9%	44.3%	52.0%	61.9%
Sensitivity a	nalysis FV					
	5.0%	35	41	44	46	48
Adjuste	6.0%	30	35	38	40	42
d hurdle	7.0%	27	31	33	35	38
rate	8.0%	24	28	30	32	34
	9.0%	22	25	28	29	32
	9.070	<b>LL</b>	23	20	Z 7	32

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 **Kontron AG** 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 Kontron AG consists of the stocks displayed in the graph below. As of 19 January 2024 the median market cap of the peer group was EUR 16,143m, compared to EUR 1,504m for Kontron AG. In the period under review, the peer group was more profitable than Kontron AG. The expectations for sales growth are lower for the peer group than for Kontron AG.

#### Peer Group - Key data 50% 40% 30% 20% 10% 0% -10% **EBITDA EBITDA** Market Cap EBIT margin EBIT margin Sales CAGR margin margin (EURm) 2023 2024 2022-2025 19-Jan-24 2023 2024 Cadence Design Systems Inc 69.762 44,9% 44,7% 41,8% 43,0% 11,7% Seagate Technology Holdings PLC -9,9% 16.143 13,2% 11,7% 5,6% 6,6% Logitech International SA 15,2% -4,9% 14.359 15,0% 13,0% 12,9% Western Digital Corp 15.957 0,8% 0,4% -4,8% -4,6% -4,0% Intel Corporation 181.100 22,1% 30,3% 7,4% 14,1% 0,6% Kontron AG 1.504 10,5% 11,0% 7,5% 7,6% 12,9% – Peer Group Median 16.143 15,2% 15,0% 7,4% 12,9% -4,0%

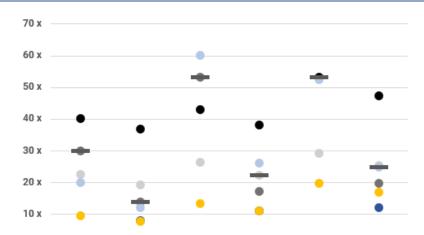
Source: Sentieo, AlsterResearch





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/E 2023 and P/E 2024. Applying these to Kontron AG, results in a range of fair values from EUR 34.08 to EUR 79.83.

## Peer Group - Multiples and valuation



0 x 19-Jan-24	EV/EBITDA 2023	EV/EBITDA 2024	EV/EBIT 2023	EV/EBIT 2024	P/E 2023	P/E 2024
Cadence Design Systems Inc	40,2x	36,9x	43,2x	38,3x	53,3x	47,4x
<ul> <li>Seagate Technology Holdings PLC</li> </ul>	30,0x	14,0x	53,3x	17,3x	270,9x	19,8x
<ul><li>Logitech International SA</li></ul>	22,7x	19,5x	26,4x	22,5x	29,4x	25,4x
<ul> <li>Western Digital Corp</li> </ul>	463,7x	8,0x	9999,0x	11,2x	9999,0x	12,1x
<ul><li>Intel Corporation</li></ul>	20,1x	12,2x	60,2x	26,2x	52,7x	25,1x
Kontron AG	9,7x	7,8x	13,6x	11,3x	19,8x	17,1x
- Peer Group Median	30,0x	14,0x	53,3x	22,5x	53,3x	25,1x
Fair Value (EUR)	64,13	37,96	79,83	41,71	62,48	34,08

Source: Sentieo, AlsterResearch

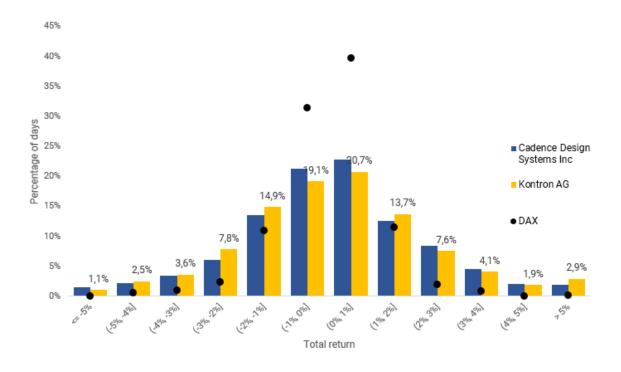




## Risk

The chart displays the **distribution of daily returns of Kontron AG** over the last 3 years, compared to the same distribution for Cadence Design Systems Inc. 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 Kontron AG, the worst day during the past 3 years was 16/12/2021 with a share price decline of -29.3%. The best day was 16/01/2023 when the share price increased by 10.2%.

#### Risk - Daily Returns Distribution (trailing 3 years)

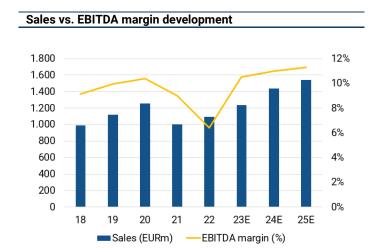


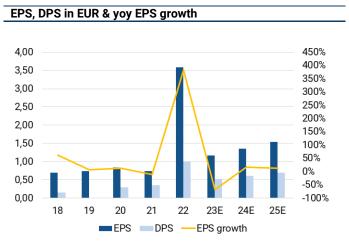
Source: Sentieo, AlsterResearch

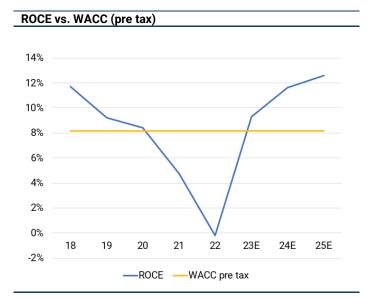


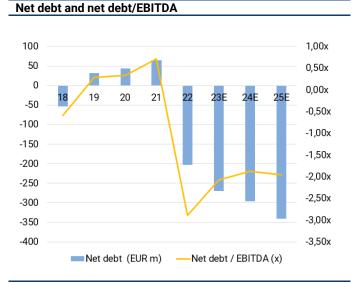


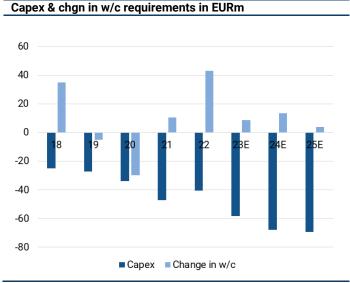
## Financials in six charts

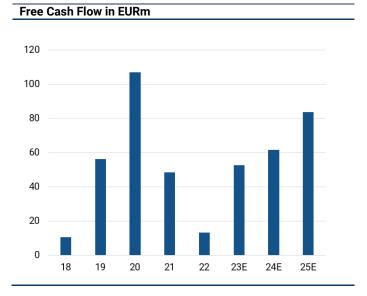














## Financials

Profit and loss (EURm)	2020	2021	2022	2023E	2024E	2025E
Net sales	1,255	1,003	1,096	1,236	1,440	1,540
Sales growth	11.7%	-20.1%	9.3%	12.7%	16.5%	7.0%
Change in finished goods and work-in-process	18	21	23	0	0	0
Total sales	1,272	1,024	1,119	1,236	1,440	1,540
Material expenses	799	645	727	788	917	980
Gross profit	473	379	393	448	523	561
Other operating income	9	15	20	22	26	28
Personnel expenses	273	238	259	260	299	317
Other operating expenses	79	66	84	80	91	97
EBITDA	130	90	70	130	158	174
Depreciation	31	25	24	24	36	44
EBITA	99	65	46	106	122	130
Amortisation of goodwill and intangible assets	31	25	48	14	13	11
EBIT	69	40	-2	92	109	120
Financial result	-8	-8	-9	-6	-9	-6
Recurring pretax income from continuing operations	61	32	-11	86	100	114
Extraordinary income/loss	0	0	0	0	0	0
Earnings before taxes	61	32	-11	86	100	114
Taxes	6	2	2	11	13	15
Net income from continuing operations	55	30	-13	75	87	99
Result from discontinued operations (net of tax)	0	19	245	0	0	0
Net income	55	49	232	75	87	99
Minority interest	1	-1	1	1	1	1
Net profit (reported)	56	48	232	76	88	100
Average number of shares	66.00	64.96	64.83	64.83	64.83	64.83
EPS reported	0.84	0.74	3.59	1.17	1.36	1.54

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	1%	2%	2%	0%	0%	0%
Total sales	101%	102%	102%	100%	100%	100%
Material expenses	64%	64%	66%	64%	64%	64%
Gross profit	38%	38%	36%	36%	36%	36%
Other operating income	1%	1%	2%	2%	2%	2%
Personnel expenses	22%	24%	24%	21%	21%	21%
Other operating expenses	6%	7%	8%	7%	6%	6%
EBITDA	10%	9%	6%	11%	11%	11%
Depreciation	2%	2%	2%	2%	3%	3%
EBITA	8%	7%	4%	9%	8%	8%
Amortisation of goodwill and intangible assets	2%	3%	4%	1%	1%	1%
EBIT	5%	4%	-0%	7%	8%	8%
Financial result	-1%	-1%	-1%	-0%	-1%	-0%
Recurring pretax income from continuing operations	5%	3%	-1%	7%	7%	7%
Extraordinary income/loss	0%	0%	0%	0%	0%	0%
Earnings before taxes	5%	3%	-1%	7%	7%	7%
Taxes	0%	0%	0%	1%	1%	1%
Net income from continuing operations	4%	3%	-1%	6%	6%	6%
Result from discontinued operations (net of tax)	0%	2%	22%	0%	0%	0%
Net income	4%	5%	21%	6%	6%	6%
Minority interest	0%	-0%	0%	0%	0%	0%
Net profit (reported)	4%	5%	21%	6%	6%	6%





Balance sheet (EURm)	2020	2021	2022	2023E	2024E	2025E
Intangible assets (exl. Goodwill)	103	104	72	69	56	45
Goodwill	199	208	189	189	189	189
Property, plant and equipment	135	133	95	144	176	201
Financial assets	69	74	55	55	55	55
FIXED ASSETS	506	519	412	457	476	490
Inventories	160	187	193	205	239	255
Accounts receivable	228	265	202	237	276	295
Other current assets	25	26	30	30	30	30
Liquid assets	286	308	565	439	367	410
Deferred taxes	0	0	0	0	0	0
Deferred charges and prepaid expenses	43	47	39	37	50	54
CURRENT ASSETS	741	833	1,029	948	962	1,045
TOTAL ASSETS	1,247	1,352	1,441	1,405	1,437	1,535
SHAREHOLDERS EQUITY	404	419	634	781	834	893
MINORITY INTEREST	5	5	2	2	2	2
Long-term debt	264	277	220	100	0	0
Provisions for pensions and similar obligations	22	21	17	21	24	26
Other provisions	68	49	16	19	22	23
Non-current liabilities	354	348	253	140	46	49
short-term liabilities to banks	66	95	143	70	70	70
Accounts payable	210	270	226	250	291	311
Advance payments received on orders	72	87	79	75	88	94
Other liabilities (incl. from lease and rental contracts)	86	76	64	74	86	92
Deferred taxes	13	13	6	6	6	6
Deferred income	37	40	35	41	48	51
Current liabilities	483	581	553	516	589	624
TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	1,247	1,352	1,441	1,439	1,471	1,569
Balance sheet (common size)	2020	2021	2022	2023E	2024E	2025E
Intangible assets (excl. Goodwill)	8%	8%	5%	5%	4%	3%
Goodwill	16%	15%	13%	13%	13%	12%
Property, plant and equipment	11%	10%	7%	10%	12%	13%
Financial assets	5%	5%	4%	4%	4%	4%
FIXED ASSETS	41%	38%	29%	33%	33%	32%
Inventories	13%	14%	13%	15%	17%	17%
Accounts receivable	18%	20%	14%	17%	19%	19%
Other current assets	2%	2%	2%	2%	2%	2%
Liquid assets	23%					
Deferred taxes	23/0	23%	39%	31%	26%	27%
	0%	23% 0%	39% 0%			
Deferred charges and prepaid expenses				31%	26%	0%
	0%	0%	0%	31% 0%	26% 0%	0% 4%
Deferred charges and prepaid expenses	0% 3%	0% 3%	0% 3%	31% 0% 3%	26% 0% 4%	0% 4%
Deferred charges and prepaid expenses CURRENT ASSETS	0% 3% <b>59%</b>	0% 3% <b>62%</b>	0% 3% <b>71%</b>	31% 0% 3% <b>67%</b>	26% 0% 4% <b>67%</b>	0% 4% <b>68%</b> <b>100%</b>
Deferred charges and prepaid expenses  CURRENT ASSETS  TOTAL ASSETS	0% 3% <b>59%</b> <b>100%</b>	0% 3% <b>62%</b> <b>100%</b>	0% 3% <b>71%</b> <b>100%</b>	31% 0% 3% <b>67%</b> <b>100%</b>	26% 0% 4% <b>67%</b> <b>100%</b>	0% 4% 68% 100% 58%
Deferred charges and prepaid expenses CURRENT ASSETS TOTAL ASSETS SHAREHOLDERS EQUITY	0% 3% <b>59%</b> <b>100%</b> <b>32%</b>	0% 3% 62% 100% 31%	0% 3% <b>71%</b> <b>100%</b> <b>44%</b>	31% 0% 3% 67% 100% 56%	26% 0% 4% 67% 100% 58%	0% 4% 68% 100% 58% 0%
Deferred charges and prepaid expenses  CURRENT ASSETS  TOTAL ASSETS  SHAREHOLDERS EQUITY  MINORITY INTEREST	0% 3% 59% 100% 32% 0%	0% 3% 62% 100% 31% 0%	0% 3% 71% 100% 44% 0%	31% 0% 3% 67% 100% 56%	26% 0% 4% 67% 100% 58% 0%	0% 4% 68% 100% 58% 0%
Deferred charges and prepaid expenses  CURRENT ASSETS  TOTAL ASSETS  SHAREHOLDERS EQUITY  MINORITY INTEREST  Long-term debt	0% 3% 59% 100% 32% 0% 21%	0% 3% 62% 100% 31% 0% 21%	0% 3% 71% 100% 44% 0% 15%	31% 0% 3% 67% 100% 56% 0% 7%	26% 0% 4% 67% 100% 58% 0%	0% 4% 68% 100% 58% 0% 0% 2%
Deferred charges and prepaid expenses  CURRENT ASSETS  TOTAL ASSETS  SHAREHOLDERS EQUITY  MINORITY INTEREST  Long-term debt  Provisions for pensions and similar obligations	0% 3% 59% 100% 32% 0% 21% 2% 5% 28%	0% 3% 62% 100% 31% 0% 21% 2% 4% 26%	0% 3% 71% 100% 44% 0% 15% 1% 1%	31% 0% 3% 67% 100% 56% 0% 7%	26% 0% 4% 67% 100% 58% 0% 0% 2% 2%	0% 4% 68% 100% 58% 0% 0% 2% 2% 3%
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	0% 3% 59% 100% 32% 0% 21% 2% 5% 28%	0% 3% 62% 100% 31% 0% 21% 2% 4%	0% 3% 71% 100% 44% 0% 15% 1%	31% 0% 3% 67% 100% 56% 0% 7% 1% 1% 10% 5%	26% 0% 4% 67% 100% 58% 0% 0% 2% 2% 3% 5%	0% 4% 68% 100% 58% 0% 0% 2% 2% 3%
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	0% 3% 59% 100% 32% 0% 21% 2% 5% 28%	0% 3% 62% 100% 31% 0% 21% 2% 4% 26%	0% 3% 71% 100% 44% 0% 15% 1% 1%	31% 0% 3% 67% 100% 56% 0% 7% 1% 1% 1% 18%	26% 0% 4% 67% 100% 58% 0% 0% 2% 2%	0% 4% 68% 100% 58% 0% 2% 2% 3% 5%
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	0% 3% 59% 100% 32% 0% 21% 2% 5% 28% 5% 17% 6%	0% 3% 62% 100% 31% 0% 21% 2% 4% 26% 7% 20% 6%	0% 3% 71% 100% 44% 0% 15% 1% 1% 18% 10% 5%	31% 0% 3% 67% 100% 56% 0% 7% 1% 1% 18% 55%	26% 0% 4% 67% 100% 58% 0% 0% 2% 2% 3% 5% 20%	0% 4% 68% 100% 58% 0% 0% 2% 2% 3% 5% 20% 6%
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	0% 3% 59% 100% 32% 0% 21% 2% 5% 28% 5% 17% 6% 7%	0% 3% 62% 100% 31% 0% 21% 2% 4% 26% 7% 20% 6%	0% 3% 71% 100% 44% 0% 15% 1% 1% 16% 5% 4%	31% 0% 3% 67% 100% 56% 0% 7% 1% 1% 18% 5% 5%	26% 0% 4% 67% 100% 58% 0% 0% 2% 2% 3% 5% 20% 6%	0% 4% 68% 100% 58% 0% 2% 2% 3% 5% 20% 6%
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	0% 3% 59% 100% 32% 0% 21% 2% 5% 28% 5% 17% 6% 7%	0% 3% 62% 100% 31% 0% 21% 2% 4% 26% 7% 20% 6% 6%	0% 3% 71% 100% 44% 0% 15% 1% 1% 18 6 16% 5% 4% 0%	31% 0% 3% 67% 100% 56% 0% 7% 1% 1% 10% 5% 18% 5% 0%	26% 0% 4% 67% 100% 58% 0% 0% 2% 2% 3% 5% 20% 6% 6%	0% 4% 68% 100% 58% 0% 0% 2% 2% 3% 5% 20% 6% 6%
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  Deferred income	0% 3% 59% 100% 32% 0% 21% 2% 5% 28% 5% 17% 6% 7% 1% 3%	0% 3% 62% 100% 31% 0% 21% 2% 4% 26% 7% 20% 6% 6% 1% 3%	0% 3% 71% 100% 44% 0% 15% 1% 1% 186 10% 16% 5% 4% 0% 2%	31% 0% 3% 67% 100% 56% 0% 7% 1% 1% 18% 55% 0% 3%	26% 0% 4% 67% 100% 58% 0% 0% 2% 2% 3% 5% 20% 6% 6% 0% 3%	0% 4% 68% 100% 58% 0% 0% 2% 2% 5% 6% 6% 6% 0% 3%
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	0% 3% 59% 100% 32% 0% 21% 2% 5% 28% 5% 17% 6% 7%	0% 3% 62% 100% 31% 0% 21% 2% 4% 26% 7% 20% 6% 6%	0% 3% 71% 100% 44% 0% 15% 1% 1% 18 6 16% 5% 4% 0%	31% 0% 3% 67% 100% 56% 0% 7% 1% 1% 10% 5% 18% 5% 0%	26% 0% 4% 67% 100% 58% 0% 0% 2% 2% 3% 5% 20% 6% 6%	27% 0% 4% 68% 100% 58% 0% 0% 2% 3% 5% 6% 6% 0% 3% 41%





Cash flow statement (EURm)	2020	2021	2022	2023E	2024E	2025E
Net profit/loss	61	54	245	75	87	99
Depreciation of fixed assets (incl. leases)	61	64	24	24	36	44
Amortisation of goodwill	0	0	0	0	0	0
Amortisation of intangible assets	0	0	48	14	13	11
Others	-11	-12	-221	6	7	3
Cash flow from operations before changes in w/c	111	106	96	119	143	157
Increase/decrease in inventory	9	-26	-18	-12	-34	-16
Increase/decrease in accounts receivable	47	-41	-23	-35	-39	-19
Increase/decrease in accounts payable	-2	69	24	24	41	20
Increase/decrease in other w/c positions	-24	-13	-26	14	18	12
Increase/decrease in working capital	30	-11	-43	-9	-14	-4
Cash flow from operating activities	141	95	54	111	129	153
CAPEX	-34	-47	-40	-58	-68	-69
Payments for acquisitions	-41	-16	-22	-58	0	0
Financial investments	-3	-7	203	0	0	0
Income from asset disposals	1	4	3	137	0	0
Cash flow from investing activities	-77	-66	144	21	-68	-69
Cash flow before financing	64	29	197	131	62	83
Increase/decrease in debt position	-41	29	-57	-192	-100	0
Purchase of own shares	-12	-21	0	0	0	0
Capital measures	1	0	0	0	0	0
Dividends paid	0	-20	-22	-65	-34	-40
Others	-14	-9	-12	0	0	0
Effects of exchange rate changes on cash	-8	4	0	0	0	0
Cash flow from financing activities	-74	-16	-90	-257	-134	-40
Increase/decrease in liquid assets	-10	13	107	-126	-73	44
Liquid assets at end of period	255	268	438	312	240	284

Source: Company data; AlsterResearch

Regional sales split (EURm)	2020	2021	2022	2023E	2024E	2025E
Domestic	103	106	103	116	135	144
Europe (ex domestic)	785	604	644	727	846	906
The Americas	122	96	110	124	144	154
Asia	42	62	80	90	105	113
Rest of World	204	134	159	179	209	223
Total sales	1,255	1,003	1,096	1,236	1,440	1,540

Regional sales split (common size)	2020	2021	2022	2023E	2024E	2025E
Domestic	8.2%	10.5%	9.4%	9.4%	9.4%	9.4%
Europe (ex domestic)	62.5%	60.3%	58.8%	58.8%	58.8%	58.8%
The Americas	9.7%	9.6%	10.0%	10.0%	10.0%	10.0%
Asia	3.3%	6.2%	7.3%	7.3%	7.3%	7.3%
Rest of World	16.2%	13.4%	14.5%	14.5%	14.5%	14.5%
Total sales	100%	100%	100%	100%	100%	100%





Ratios	2020	2021	2022	2023E	2024E	2025E
Per share data						
Earnings per share reported	0.84	0.74	3.59	1.17	1.36	1.54
Cash flow per share	2.13	1.47	0.83	1.34	1.44	1.68
Book value per share	6.12	6.44	9.78	12.05	12.87	13.78
Dividend per share	0.30	0.35	1.00	0.53	0.61	0.69
Valuation						
P/E	27.5x	31.2x	6.5x	19.8x	17.1x	15.1x
P/CF	10.9x	15.8x	28.1x	17.3x	16.1x	13.8x
P/BV	3.8x	3.6x	2.4x	1.9x	1.8x	1.7x
Dividend yield (%)	1.3%	1.5%	4.3%	2.3%	2.6%	3.0%
FCF yield (%)	9.2%	6.3%	3.6%	5.8%	6.2%	7.2%
EV/Sales	1.3x	1.6x	1.2x	1.0x	0.9x	0.8x
EV/EBITDA	12.1x	17.7x	18.8x	9.7x	7.8x	6.8x
EV/EBIT	22.9x	39.7x	-653.9x	13.6x	11.3x	10.0x
Income statement (EURm)						
Sales	1,255	1,003	1,096	1,236	1,440	1,540
yoy chg in %	11.7%	-20.1%	9.3%	12.7%	16.5%	7.0%
Gross profit	473	379	393	448	523	561
Gross margin in %	37.7%	37.8%	35.8%	36.2%	36.3%	36.4%
EBITDA	130	90	70	130	158	174
EBITDA margin in %	10.4%	9.0%	6.4%	10.5%	11.0%	11.3%
EBIT	69	40	-2	92	109	120
EBIT margin in %	5.5%	4.0%	-0.2%	7.5%	7.6%	7.8%
Net profit	56	48	232	76	88	100
Cash flow statement (EURm)						
CF from operations	141	95	54	111	129	153
Capex	-34	-47	-40	-58	-68	-69
Maintenance Capex	0	0	0	24	36	44
Free cash flow	107	48	13	53	62	83
Balance sheet (EURm)						
Intangible assets	302	312	262	258	245	234
Tangible assets	135	133	95	144	176	201
Shareholders' equity	404	419	634	781	834	893
Pension provisions	22	21	17	21	24	26
Liabilities and provisions	420	443	395	210	116	119
Net financial debt	44	65	-203	-269	-297	-340
w/c requirements	106	96	90	116	136	145
Ratios						
ROE	13.5%	11.7%	36.6%	9.6%	10.5%	11.1%
ROCE	8.3%	4.6%	-0.2%	9.3%	11.5%	11.8%
Net gearing	10.9%	15.4%	-32.0%	-34.5%	-35.6%	-38.1%
Net debt / EBITDA	0.3x	0.7x	-2.9x	-2.1x	-1.9x	-2.0x
Source: Company data: AlsterResearch						





## Conflicts of interest

Disclosures regarding research publications of SRH AlsterResearch AG pursuant to section 85 of the German Securities Trading Act (WpHG) and distributed in the UK under an EEA branch passport, subject to the FCA requirements on research recommendation disclosures It is essential that any research recommendation is fairly presented and discloses interests of indicates relevant conflicts of interest. Pursuant to section 85 of the German Securities Trading Act (WpHG) a research report has to point out possible conflicts of interest in connection with the analyzed company. Further to this, under the FCA's rules on research recommendations, any conflicts of interest in connection with the recommendation must be disclosed. A conflict of interest is presumed to exist in particular if SRH AlsterResearch AG

- (1) or its affiliate(s) (either in its own right or as part of a consortium) within the past twelve months, acquired the financial instruments of the analyzed company,
- (2) has entered into an agreement on the production of the research report with the analyzed company,
- (3) or its affiliate(s) has, within the past twelve months, been party to an agreement on the provision of investment banking services with the analyzed company or have received services or a promise of services under the term of such an agreement,
- or its affiliate(s) holds a) 5% or more of the share capital of the analyzed company, or b) the analyzed company holds 5% or more of the share capital of SRH AlsterResearch AG or its affiliate(s),
- (5) or its affiliate(s) holds a net long (a) or a net short (b) position of 0.5% of the outstanding share capital of the analyzed company or derivatives thereof,
- (6) or its affiliate(s) is a market maker or liquidity provider in the financial instruments of the issuer,
- (7) or the analyst has any other significant financial interests relating to the analyzed company such as, for example, exercising mandates in the interest of the analyzed company or a significant conflict of interest with respect to the issuer,
- (8) The research report has been made available to the company prior to its publication. Thereafter, only factual changes have been made to the report.

Conflicts of interest that existed at the time when this research report was published:

Company	Disclosure
Kontron AG	2





## Important disclosures

- 1. General Information/Liabilities This research report has been produced for the information purposes of institutional investors only, and is not in any way a personal recommendation, offer or solicitation to buy or sell the financial instruments mentioned herein. The document is confidential and is made available by SRH AlsterResearch AG, exclusively to selected recipients [in DE, GB, FR, CH, US, UK, Scandinavia, and Benelux or, in individual cases, also in other countries]. A distribution to private investors in the sense of the German Securities Trading Act (WpHG) is excluded. It is not allowed to pass the research report on to persons other than the intended recipient without the permission of SRH AlsterResearch AG. Reproduction of this document, in whole or in part, is not permitted without prior permission SRH AlsterResearch AG. All rights reserved. Under no circumstances shall SRH AlsterResearch AG, any of its employees involved in the preparation, have any liability for possible errors or incompleteness of the information included in this research report - neither in relation to indirect or direct nor consequential damages. Liability for damages arising either directly or as a consequence of the use of information, opinions and estimates is also excluded. Past performance of a financial instrument is not necessarily indicative of future performance.
- 2. Responsibilities This research report was prepared by the research analyst named on the front page (the "Producer"). The Producer is solely responsible for the views and estimates expressed in this report. The report has been prepared independently. The content of the research report was not influenced by the issuer of the analyzed financial instrument at any time. It may be possible that parts of the research report were handed out to the issuer for information purposes prior to the publication without any major amendments being made thereafter.
- **3. Organizational Requirements** SRH AlsterResearch AG took internal organizational and regulative precautions to avoid or accordingly disclose possible conflicts of interest in connection with the preparation and distribution of the research report. All members of AlsterResearch AG involved in the preparation of the research report are subject to internal compliance regulations. No part of the Producer's compensation is directly or indirectly related to the preparation of this financial analysis. In case a research analyst or a closely related person is confronted with a conflict of interest, the research analyst is restricted from covering this company.
- 4. Information Concerning the Methods of Valuation/Update The determination of the fair value per share, i.e. the price target, and the resultant rating is done on  $% \left\{ 1,2,...,n\right\}$ the basis of the adjusted free cash flow (adj. FCF) method and on the basis of the discounted cash flow - DCF model. Furthermore, a peer group comparison is made. The adi. FCF method is based on the assumption that investors purchase assets only at a price (enterprise value) at which the operating cash flow return after taxes on this investment exceeds their opportunity costs in the form of a hurdle rate. The operating cash flow is calculated as EBITDA less maintenance capex and taxes. Within the framework of the DCF approach, the future free cash flows are calculated initially on the basis of a fictitious capital structure of 100% equity, i.e. interest and repayments on debt capital are not factored in initially. The adjustment towards the actual capital structure is done by discounting the calculated free cash flows with the weighted average cost of capital (WACC). which takes into account both the cost of equity capital and the cost of debt. After discounting, the calculated total enterprise value is reduced by the interestbearing debt capital in order to arrive at the equity value. Detailed information on the valuation principles and methods used and the underlying assumptions can be found at https://www.alsterresearch.com

SRH AlsterResearch AG uses the following three-step rating system for the analyzed companies:

- Speculative (Spec.) BUY: Sustainable upside potential of more than 25% within 12 months, above average risk
- BUY: Sustainable upside potential of more than 10% within 12 months
- SELL: Sustainable downside potential of more than 10% within 12 months.
- HOLD: Upside/downside potential is limited. No immediate catalyst visible.

NB: The ratings of SRH AlsterResearch AG are not based on a performance that is expected to be "relative" to the market.

The decision on the choice of the financial instruments analyzed in this document was solely made by SRH AlsterResearch AG. The opinions and estimates in this research report are subject to change without notice. It is within the discretion of SRH AlsterResearch AG whether and when it publishes an update to this research report, but in general updates are created on a regular basis, after 6 months at the latest. A sensitivity analysis is included and published in company's initial studies

## **5. Date and time of first publication of this financial analysis** 19-Jan-24 09:41:25

#### 6. Risk information

- Stock exchange investments and investments in companies (shares) are always speculative and involve the risk of total loss.
- This is particularly true in respect of investments in companies which are not established and/or small and have no established business or corporate assets.
- Share prices may fluctuate significantly. This is particularly true for shares with low liquidity (market breadth). Even small orders can have a significant impact on the share price.
- In the case of shares in narrow markets, it may also happen that there is no
  or very little actual trading there and that published prices are not based on
  actual trading but have only been provided by a stockbroker.
- In such markets a shareholder cannot expect to find a buyer for his shares at all and/or at reasonable prices. In such narrow markets there is a very high possibility of manipulating prices and in such markets there are often considerable price fluctuations.
- An investment in shares with low liquidity and low market capitalization is therefore highly speculative and represents a very high risk.
- There is no regulated market for unlisted shares and securities and a sale is not possible or only possible on an individual basis.
- 7. Major Sources of Information Part of the information required for this research report was made available by the issuer of the financial instrument. Furthermore, this report is based on publicly available sources (such as, for example, Bloomberg, Reuters, VWD-Trader and the relevant daily press) believed to be reliable. SRH AlsterResearch AG has checked the information for plausibility but not for accuracy or completeness.
- **8. Competent Supervisory Authority** SRH AlsterResearch AG are under supervision of the BaFin German Federal Financial Supervisory Authority (Bundesanstalt für Finanzdienstleistungsaufsicht), Graurheindorfer Straße 108, 53117 Bonn and Marie-Curie-Straße 24 28, 60439 Frankfurt a.M. This document is distributed in the UK under a MiFID EEA branch passport and in compliance with the applicable FCA requirements.
- **9. Specific Comments for Recipients Outside of Germany** This research report is subject to the law of the Federal Republic of Germany. The distribution of this information to other states in particular to the USA, Canada, Australia and Japan may be restricted or prohibited by the laws applicable within this state.
- 10. Miscellaneous According to Article 4(1) No. i of the delegated regulation 2016/958 supplementing regulation 596/2014 of the European Parliament, further information regarding investment recommendations of the last 12 months are published free of charge under https://www.alsterresearch.com.





## Contacts

SRH AlsterResearch AG Mittelweg 142 20148 Hamburg

Tel: +49 40 309 293-52

E-Mail: info@alsterresearch.com

#### **Team Assistant**

HANNAH GABERT

Team Assistant Tel: +49 40 309 293-52

E-Mail: h.gabert@alsterresearch.com

## Sales

MARKUS KÖNIG-WEISS

Head of Sales Tel: +49 40 309 293-52

E-Mail: mkw@alsterresearch.com

### Research

**HARALD HOF** 

Senior Analyst Tel: +49 40 309 293-53

E-Mail: h.hof@alsterresearch.com

**LEON MÜHLENBRUCH** 

Analyst

Tel: +49 40 309 293-57

E-Mail: I.muehlenbruch@alsterresearch.com

**LEVENT YILMAZ** 

Senior Analyst Tel: +49 40 309 293-96

E-Mail: l.yilmaz@alsterresearch.com

**THOMAS WISSLER** 

Senior Analyst

Tel: +49 40 309 293-58

E-Mail: t.wissler@alsterresearch.com

DR. OLIVER WOJAHN, CFA

Senior Analyst

Tel: +49 40 309 293-55

E-Mail: o.wojahn@alsterresearch.com

ALEXANDER ZIENKOWICZ

Senior Analyst

Tel: +49 40 309 293-56

E-Mail: a.zienkowicz@alsterresearch.com

## mwb fairtrade Wertpapierhandelsbank AG Rottenbucher Straße 28 82166 Gräfelfing

Tel: +49 89 85852-0 Fax: +49 89 85852-505

E-Mail: info@mwbfairtrade.com

## **Equity Capital Markets / Trading**

#### **KAI JORDAN**

Member of the Board Tel: +49 40 36 0995-22 E-Mail: kjordan@mwbfairtrade.com

#### **ALEXANDER DEUSS**

Head of Institutional Sales Tel: +49 40 36 0995- 22

E-Mail: adeuss@mwbfairtrade.com

### **SASCHA GUENON**

Head of Designated Sponsoring Tel: +49 40 360 995 - 23

E-Mail: sguenon@mwbfairtrade.com

#### Our research can be found under



**RESEARCH HUB** 

**BLOOMBERG** 

**FACTSET** 

**THOMSON REUTERS / REFINITIV** 

**CAPITALIQ** 

www.research-hub.de

www.bloomberg.com

www.factset.com

www.refinitiv.com

www.capitaliq.com

