

**UPDATE** 

# Ceconomy AG

Germany | Retail | MCap EUR 1,205m

5 April 2023



# Consumer spending remains subdued; rating down to SELL

#### What's it all about?

Ceconomy started off the fiscal year 22/23 with a solid start, but consumer spending remains curbed by inflation and the war in Ukraine. While the positive outlook scenario seems likely and should be supported by ongoing cost, liquidity and organizational improvements, this is more than fully reflected in valuation after the recent share price recovery. With unchanged PT of EUR 2.10, we downgrade our rating from HOLD to SELL.

#### SELL (HOLD)

Target price E Current price E Up/downside -

**EUR 2.10 (2.10)** EUR 2.48 -15.5%





#### MAIN AUTHOR

#### Alexander Zienkowicz

a.zienkowicz@alsterresearch.com +49 40 309 293-56

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.



## Ceconomy AG

#### Germany | Retail | MCap EUR 1,205m | EV EUR 3,397m

SELL (HOLD)

Target price Current price Up/downside EUR 2.10 (2.10) EUR 2.48 -15.5% MAIN AUTHOR

#### **Alexander Zienkowicz**

a.zienkowicz@alsterresearch.com +49 40 309 293-56

#### Consumer spending remains subdued, down to SELL

Consumer spending remains curbed. Recent data for February 2023 from the Federal Statistical Office (Destatis) show that the real (price-adjusted) turnover of retail in Germany declined by 1.3% m/m, and even fell by 7.1% compared to February 2022. The relevant subsegments containing consumer electronics declined by 9.7% in February (real, y/y), and by 7.1% y/y in the first two months of 2023. Looking ahead, consumer confidence remains depressed, even though the trough has been passed. According to GfK and HDE, consumers are apparently expecting a soft landing for the German economy, less severe than feared just a few weeks ago. However, consumer spending remains curbed by factors such as inflation and impacts of the war in Ukraine.

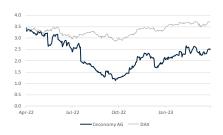
**Solid start.** Ceconomy's Q1 22/23 figures, published in February, showed a solid start with revenues 3.1% higher than a year ago at EUR 7.1bn. Adjusted for currency and M&A, Ceconomy reported a growth of 4.9%. Gross margin declined by 0.2 percentage points to 17.0%, due to lower product margin in an intensified competitive market environment. Adjusted EBIT was reported with EUR 224m (-18.3% yoy), impacted by higher personnel, energy and location costs. The positive of the company's two forecast scenarios for FY 22/23, aims for a slight increase in sales (currency adjusted) and a clear increase in adj. EBIT, subject to an at least stable environment.

**Divesting Swedish operations.** In February, Ceconomy announced the sale of its struggling Swedish business to Power Retail Sweden in return for a minority stake of 20% in Power Sweden. In the past, Ceconomy has taken a similar approach with struggling businesses and sold them to competitors in return for a shareholding, e.g. in France (Fnac Darty) and Russia (M.video).

**Conclusion**: While the positive outlook scenario seems likely and should be supported by ongoing cost, liquidity and organizational improvements, this is more than fully reflected in valuation after the recent share price recovery. With unchanged PT of EUR 2.10, we downgrade our rating from HOLD to SELL.

Ceconomy AG	2020	2021	2022	2023E	2024E	2025E
Sales	20,831	21,361	21,768	21,659	21,876	22,095
Growth yoy	-2.9%	2.5%	1.9%	-0.5%	1.0%	1.0%
EBITDA	991	947	866	945	1,015	1,093
EBIT	-80	326	105	207	260	265
Net profit	-232	232	126	132	170	178
Net debt (net cash)	786	1,007	1,860	1,413	1,110	623
Net debt/EBITDA	0.8x	1.1x	2.1x	1.5x	1.1x	0.6x
EPS reported	-0.65	0.65	0.31	0.27	0.35	0.37
DPS	0.00	0.17	0.00	0.07	0.09	0.09
Dividend yield	0.0%	6.8%	0.0%	2.7%	3.5%	3.7%
Gross profit margin	18.1%	17.1%	17.5%	17.2%	17.3%	17.3%
EBITDA margin	4.8%	4.4%	4.0%	4.4%	4.6%	4.9%
EBIT margin	-0.4%	1.5%	0.5%	1.0%	1.2%	1.2%
ROCE	-2.2%	7.8%	2.7%	6.0%	7.1%	7.0%
EV/EBITDA	2.5x	2.8x	3.9x	3.1x	2.6x	2.0x
EV/EBIT	-31.3x	8.2x	32.4x	14.1x	10.1x	8.1x
PER	-3.8x	3.8x	7.9x	9.1x	7.1x	6.8x
FCF yield	134.2%	50.4%	22.0%	33.5%	24.2%	40.3%

Source: Company data, AlsterResearch



Source: Company data, AlsterResearch

High/low 52 weeks 3.51 / 1.10 Price/Book Ratio 1.7x

Ticker / Symbols

 ISIN
 DE0007257503

 WKN
 725750

 Bloomberg
 CEC:GR

Changes in estimates

		Sales	EBIT	EPS
2023E	old	21,659	207	0.27
	Δ	0.0%	0.0%	0.0%
2024E	old	21,876	260	0.35
	Δ	0.0%	0.0%	0.0%
2025E	old	22,095	265	0.37
	Δ	0.0%	0.0%	0.0%

#### Key share data

Number of shares: (in m pcs) 485.20 Book value per share: (in EUR) 1.47 Ø trading volume: (12 months) 620,000

#### Major shareholders

Convergenta	29.0%
Haniel	16.7%
Meridian Stiftung	11.1%
Free Float	36.5%

#### **Company description**

Ceconomy AG is a Germany-based company engaged in consumer electronics retail under the MediaMarkt and Saturn brand names. Its subsidiary Deutsche Technikberatung provides professional assistance with installing, connecting and troubleshooting electronic devices.



## Investment case in six charts

#### **Portfolio**

operating business

Investments





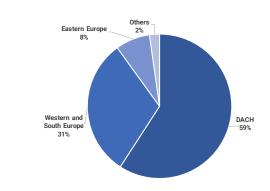








#### Revenue by segments



#### Post-pandemic ambitions

# CECONOMY operates in an attractive market

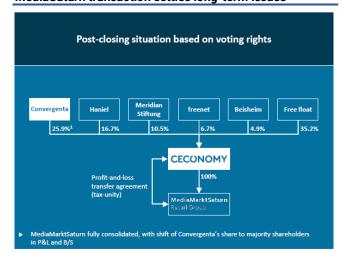
## Our financial ambition for FY 22/23

162 €bn

Market opportunity in FY 22/23 in CECONOMY's

- Market share gains
- Gross margin uplift
- Ongoing EBIT margin improvement
- ▶ Return to normalized CAPEX level
- ▶ Positive FCF development

#### MediaSaturn transaction settles long-term issues



#### **Resizing store formats**

#### Our new store portfolio approach









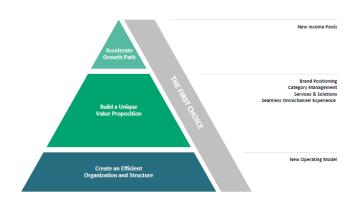






818 SHOP-IN-SHOP (c.400-1,100sc

#### Implementing new strategy





## Valuation

#### **DCF Model**

The DCF model results in a fair value of EUR 2.12 per share:

Top-line growth: We expect Ceconomy AG to continue benefitting from structural growth. Hence our growth estimates for 2023-30E is in the range of 0.4% p.a. The long-term growth rate is set at 1.0%.

EBIT margins should remain low in this sector. We assume a slow recovery to precrisis levels of c. 1-2%. However, we model conservative margins in the long run.

WACC. The averaged 1-, 3- and 5-year historical equity beta is calculated as 1.60. Unleverering and correcting for mean reversion yields an asset beta of 0.86. Combined with a risk free rate of 3.0% and an equity risk premium of 6.0% this yields cost of equity of 11.7%. With pre-tax cost of borrowing at 6.0%, a tax rate of 30% and target debt/equity of 1.0 this results in a long-term WACC of 8.0%.

2.48

DCF (EUR m) (except per share data and beta)	2023E	2024E	2025E	2026E	2027E	2028E	2029E	2030E	Terminal value
NOPAT	186	221	228	170	179	74	61	61	
Depreciation & amortization	738	755	828	817	763	469	537	502	
Change in working capital	39	-156	-39	-56	64	-46	55	-61	
Chg. in long-term provisions	-29	4	4	1	1	0	0	0	
Capex	-433	-438	-442	-443	-444	-444	-489	-489	
Cash flow	501	387	579	489	563	54	165	13	189
Present value	479	340	466	375	400	36	102	8	107
WACC	9.4%	9.1%	9.1%	7.9%	7.9%	7.7%	7.7%	7.7%	8.0%

DCF per share derived from	
Total present value	2,313
Mid-year adj. total present value	2,406
Net debt / cash at start of year	1,860
Financial assets	812
Provisions and off b/s debt	332
Equity value	1,026
No. of shares outstanding	485.2
Discounted cash flow / share	2.12
upside/(downside)	-14.8%

DCF avg. growth and earnings assumptions	
Planning horizon avg. revenue growth (2023E - 2030E)	0.4%
Terminal value growth (2030E - infinity)	1.0%
Terminal year ROCE	2.4%
Terminal year WACC	8.0%

Terminal WACC derived from	
Cost of borrowing (before taxes)	6.0%
Long-term tax rate	30%
Equity beta	1.60
Unlevered beta (industry or company)	0.86
Target debt / equity	1.0
Relevered beta	1.46
Risk-free rate	3.0%
Equity risk premium	6.0%
Cost of equity	11.7%

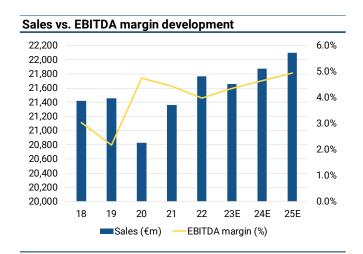
Sensitivity ana	lysis DCF							
		Long term (	growth				Share of present value	
		1.0%	0.5%	1.0%	1.5%	2.0%		
VCC	2.0%	1.8	1.9	1.9	1.9	1.9	2023E - 2026E	71.8%
W W	1.0%	2.0	2.0	2.0	2.0	2.0	2027E - 2030E	23.6%
e in nts)	0.0%	2.1	2.1	2.1	2.1	2.2	terminal value	4.6%
ang poir	-1.0%	2.2	2.2	2.3	2.3	2.3		
Change in (%-points)	-2.0%	2.4	2.4	2.5	2.5	2.5		

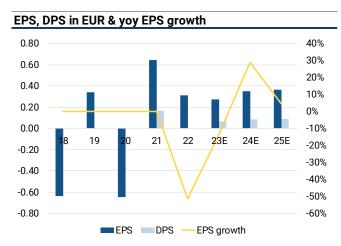
Source: AlsterResearch

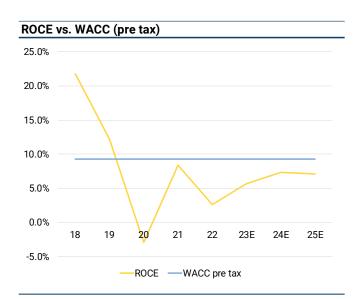
Share price

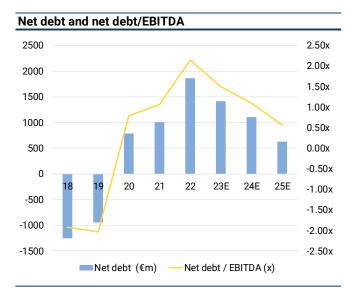


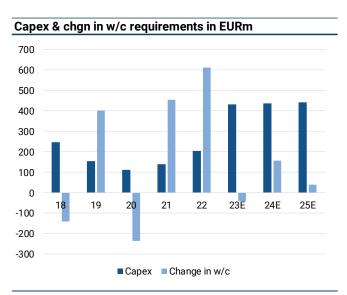
## Financials in six charts

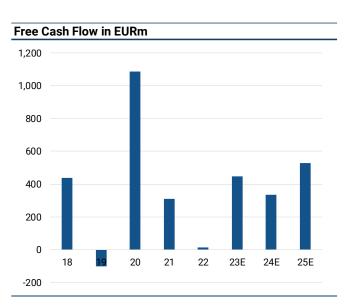














## Financials

Profit and loss (EUR m)	2020	2021	2022	2023E	2024E	2025E
Sales	20,831	21,361	21,768	21,659	21,876	22,095
Sales growth	-2.9%	2.5%	1.9%	-0.5%	1.0%	1.0%
Cost of sales	17,052	17,705	17,961	17,933	18,093	18,272
Gross profit	3,779	3,656	3,807	3,726	3,782	3,822
SG&A expenses	2,974	2,962	3,375	3,465	3,500	3,535
Research and development	0	0	0	0	0	0
Other operating expenses (income)	135	-350	-356	54	22	22
EBITDA	991	947	866	945	1,015	1,093
Depreciation	723	693	662	713	734	810
EBITA	-53	351	126	232	282	283
Amortisation of goodwill and intangible assets	27	25	21	26	21	18
EBIT	-80	326	105	207	260	265
Financial result	-45	-30	-56	-60	-60	-58
Recurring pretax income from continuing operations	-125	296	49	147	200	207
Extraordinary income/loss	0	0	0	0	0	0
Earnings before taxes	-125	296	49	147	200	207
Taxes	93	53	-81	15	30	29
Net income from continuing operations	-218	243	130	132	170	178
Result from discontinued operations (net of tax)	5	10	0	0	0	0
Net income	-213	253	130	132	170	178
Minority interest	-19	-21	-4	0	0	0
Net profit (reported)	-232	232	126	132	170	178
Average number of shares	359.42	359.42	400.78	485.20	485.20	485.20
EPS reported	-0.65	0.65	0.31	0.27	0.35	0.37

Profit and loss (common size)	2020	2021	2022	2023E	2024E	2025E
Sales	100%	100%	100%	100%	100%	100%
Cost of sales	82%	83%	83%	83%	83%	83%
Gross profit	18%	17%	17%	17%	17%	17%
SG&A expenses	14%	14%	16%	16%	16%	16%
Research and development	0%	0%	0%	0%	0%	0%
Other operating expenses (income)	1%	-2%	-2%	0%	0%	0%
EBITDA	5%	4%	4%	4%	5%	5%
Depreciation	3%	3%	3%	3%	3%	4%
EBITA	-0%	2%	1%	1%	1%	1%
Amortisation of goodwill and intangible assets	0%	0%	0%	0%	0%	0%
EBIT	-0%	2%	0%	1%	1%	1%
Financial result	-0%	-0%	-0%	-0%	-0%	-0%
Recurring pretax income from continuing operations	-1%	1%	0%	1%	1%	1%
Extraordinary income/loss	0%	0%	0%	0%	0%	0%
Earnings before taxes	-1%	1%	0%	1%	1%	1%
Taxes	0%	0%	-0%	0%	0%	0%
Net income from continuing operations	-1%	1%	1%	1%	1%	1%
Result from discontinued operations (net of tax)	0%	0%	0%	0%	0%	0%
Net income	-1%	1%	1%	1%	1%	1%
Minority interest	-0%	-0%	-0%	0%	0%	0%
Net profit (reported)	-1%	1%	1%	1%	1%	1%



Intangible assets (exl. Goodwill)  Goodwill  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  Deferred income  Current liabilities  TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	102 524 2,588 643 3,857 2,949 488 1,472 1,637 0 52 6,598 10,455 487 61 1,850 513 109 2,472 573 5,996 35 604 33 194 7,435 10,455	125 524 2,440 814 3,903 3,111 361 1,376 1,860 0 56 6,764 10,667 713 44 2,111 462 113 2,686 756 5,470 23 612 29 334 7,224	152 524 2,376 812 3,864 3,176 440 1,546 913 0 59 6,134 9,998 590 2 2,184 332 125 2,641 589 5,340 16 464 65 291	126 524 2,096 812 3,559 3,193 439 1,546 887 0 108 6,174 9,733 722 2 2,200 303 124 2,628 100 5,355 16 541 65 303	105 524 1,800 812 3,241 3,222 479 1,546 1,240 0 109 6,596 9,838 859 2 2,200 306 126 2,632 150 5,304 16 503 65 306	88 524 1,432 812 2,856 3,254 424 1,546 1,727 0 110 7,061 9,916 995 2 2,200 309 127 2,636 150 5,256 16 486 65
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 Deferred income Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	2,588 643 3,857 2,949 488 1,472 1,637 0 52 6,598 10,455 487 61 1,850 513 109 2,472 573 5,996 35 604 33 194 7,435	2,440 814 3,903 3,111 361 1,376 1,860 0 56 6,764 10,667 713 44 2,111 462 113 2,686 756 5,470 23 612 29 334	2,376 812 3,864 3,176 440 1,546 913 0 59 6,134 9,998 590 2 2,184 332 125 2,641 589 5,340 16 464 65	2,096 812 3,559 3,193 439 1,546 887 0 108 6,174 9,733 722 2,200 303 124 2,628 100 5,355 16 541 65	1,800 812 3,241 3,222 479 1,546 1,240 0 109 6,596 9,838 859 2 2,200 306 126 2,632 150 5,304 16 503 65	1,432 812 2,856 3,254 424 1,546 1,727 0 110 7,061 9,916 995 2 2,200 309 127 2,636 150 5,256 16 486
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  Deferred income  Current liabilities  TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	643 3,857 2,949 488 1,472 1,637 0 52 6,598 10,455 487 61 1,850 513 109 2,472 573 5,996 35 604 33 194 7,435	814 3,903 3,111 361 1,376 1,860 0 56 6,764 10,667 713 44 2,111 462 113 2,686 756 5,470 23 612 29 334	812 3,864 3,176 440 1,546 913 0 59 6,134 9,998 590 2 2,184 332 125 2,641 589 5,340 16 464 65	812 3,559 3,193 439 1,546 887 0 108 6,174 9,733 722 2,200 303 124 2,628 100 5,355 16 541 65	812 3,241 3,222 479 1,546 1,240 0 109 6,596 9,838 859 2 2,200 306 126 2,632 150 5,304 16 503 65	812 2,856 3,254 424 1,546 1,727 0 110 7,061 9,916 995 2 2,200 309 127 2,636 150 5,256 16 486
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 Deferred income Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	3,857 2,949 488 1,472 1,637 0 52 6,598 10,455 487 61 1,850 513 109 2,472 573 5,996 35 604 33 194 7,435	3,903 3,111 361 1,376 1,860 0 56 6,764 10,667 713 44 2,111 462 113 2,686 756 5,470 23 612 29 334	3,864 3,176 440 1,546 913 0 59 6,134 9,998 590 2 2,184 332 125 2,641 589 5,340 16 464 65	3,559 3,193 439 1,546 887 0 108 6,174 9,733 722 2,200 303 124 2,628 100 5,355 16 541 65	3,241 3,222 479 1,546 1,240 0 109 6,596 9,838 859 2 2,200 306 126 2,632 150 5,304 16 503 65	2,856 3,254 424 1,546 1,727 0 110 7,061 9,916 995 2 2,200 309 127 2,636 150 5,256 16 486
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 Deferred income Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	2,949 488 1,472 1,637 0 52 6,598 10,455 487 61 1,850 513 109 2,472 573 5,996 35 604 33 194 7,435	3,111 361 1,376 1,860 0 56 6,764 10,667 713 44 2,111 462 113 2,686 756 5,470 23 612 29 334	3,176 440 1,546 913 0 59 6,134 9,998 590 2 2,184 332 125 2,641 589 5,340 16 464 65	3,193 439 1,546 887 0 108 6,174 9,733 722 2 2,200 303 124 2,628 100 5,355 16 541 65	3,222 479 1,546 1,240 0 109 6,596 9,838 859 2 2,200 306 126 2,632 150 5,304 16 503 65	3,254 424 1,546 1,727 0 110 7,061 9,916 995 2 2,200 309 127 2,636 150 5,256 16 486
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 Deferred income Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	488 1,472 1,637 0 52 6,598 10,455 487 61 1,850 513 109 2,472 573 5,996 35 604 33 194 7,435	361 1,376 1,860 0 56 6,764 10,667 713 44 2,111 462 113 2,686 756 5,470 23 612 29 334	440 1,546 913 0 59 6,134 9,998 590 2 2,184 332 125 2,641 589 5,340 16 464 65	439 1,546 887 0 108 6,174 9,733 722 2 2,200 303 124 2,628 100 5,355 16 541 65	479 1,546 1,240 0 109 6,596 9,838 859 2 2,200 306 126 2,632 150 5,304 16 503 65	424 1,546 1,727 0 110 7,061 9,916 995 2 2,200 309 127 2,636 150 5,256 16 486
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  Deferred income  Current liabilities  TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	1,472 1,637 0 52 6,598 10,455 487 61 1,850 513 109 2,472 573 5,996 35 604 33 194 7,435	1,376 1,860 0 56 6,764 10,667 713 44 2,111 462 113 2,686 756 5,470 23 612 29 334	1,546 913 0 59 6,134 9,998 590 2 2,184 332 125 2,641 589 5,340 16 464 65	1,546 887 0 108 6,174 9,733 722 2 2,200 303 124 2,628 100 5,355 16 541 65	1,546 1,240 0 109 6,596 9,838 859 2 2,200 306 126 2,632 150 5,304 16 503 65	1,546 1,727 0 110 <b>7,061</b> <b>9,916</b> <b>995</b> 2,200 309 127 <b>2,636</b> 150 5,256 16
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 Deferred income Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	1,637 0 52 6,598 10,455 487 61 1,850 513 109 2,472 573 5,996 35 604 33 194 7,435	1,860 0 56 6,764 10,667 713 44 2,111 462 113 2,686 756 5,470 23 612 29 334	913 0 59 <b>6,134</b> <b>9,998</b> <b>590</b> 2 2,184 332 125 <b>2,641</b> 589 5,340 16 464 65	887 0 108 6,174 9,733 722 2,200 303 124 2,628 100 5,355 16 541 65	1,240 0 109 6,596 9,838 859 2 2,200 306 126 2,632 150 5,304 16 503 65	1,727 0 110 <b>7,061</b> <b>9,916</b> <b>995</b> 2 2,200 309 127 <b>2,636</b> 150 5,256 16
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  Deferred income  Current liabilities  TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	0 52 6,598 10,455 487 61 1,850 513 109 2,472 573 5,996 35 604 33 194 7,435	0 56 6,764 10,667 713 44 2,111 462 113 2,686 756 5,470 23 612 29 334	0 59 <b>6,134</b> <b>9,998</b> <b>590</b> 2 2,184 332 125 <b>2,641</b> 589 5,340 16 464	0 108 6,174 9,733 722 2,200 303 124 2,628 100 5,355 16 541 65	0 109 6,596 9,838 859 2 2,200 306 126 2,632 150 5,304 16 503 65	0 110 <b>7,061</b> <b>9,916</b> <b>995</b> 2,200 309 127 <b>2,636</b> 150 5,256 16
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  Current liabilities  TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	52 6,598 10,455 487 61 1,850 513 109 2,472 573 5,996 35 604 33 194 7,435	56 6,764 10,667 713 44 2,111 462 113 2,686 756 5,470 23 612 29 334	59 6,134 9,998 590 2 2,184 332 125 2,641 589 5,340 16 464 65	108 6,174 9,733 722 2 2,200 303 124 2,628 100 5,355 16 541 65	109 6,596 9,838 859 2 2,200 306 126 2,632 150 5,304 16 503 65	110 7,061 9,916 995 2 2,200 309 127 2,636 150 5,256 16 486
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 Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	6,598 10,455 487 61 1,850 513 109 2,472 573 5,996 35 604 33 194 7,435	6,764 10,667 713 44 2,111 462 113 2,686 756 5,470 23 612 29 334	6,134 9,998 590 2 2,184 332 125 2,641 589 5,340 16 464 65	6,174 9,733 722 2 2,200 303 124 2,628 100 5,355 16 541 65	6,596 9,838 859 2 2,200 306 126 2,632 150 5,304 16 503 65	7,061 9,916 995 2 2,200 309 127 2,636 150 5,256 16
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 Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	10,455 487 61 1,850 513 109 2,472 573 5,996 35 604 33 194 7,435	10,667 713 44 2,111 462 113 2,686 756 5,470 23 612 29 334	9,998 590 2 2,184 332 125 2,641 589 5,340 16 464 65	9,733 722 2 2,200 303 124 2,628 100 5,355 16 541 65	9,838 859 2 2,200 306 126 2,632 150 5,304 16 503 65	9,916 995 2 2,200 309 127 2,636 150 5,256 16 486
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  Current liabilities  TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	487 61 1,850 513 109 2,472 573 5,996 35 604 33 194 7,435	713 44 2,111 462 113 2,686 756 5,470 23 612 29 334	590 2 2,184 332 125 2,641 589 5,340 16 464 65	722 2,200 303 124 2,628 100 5,355 16 541	2 2,200 306 126 2,632 150 5,304 16 503 65	995 2 2,200 309 127 2,636 150 5,256 16 486
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  Current liabilities  TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	61 1,850 513 109 <b>2,472</b> 573 5,996 35 604 33 194 <b>7,435</b>	44 2,111 462 113 <b>2,686</b> 756 5,470 23 612 29	2 2,184 332 125 <b>2,641</b> 589 5,340 16 464	2 2,200 303 124 <b>2,628</b> 100 5,355 16 541	2 2,200 306 126 <b>2,632</b> 150 5,304 16 503	2 2,200 309 127 <b>2,636</b> 150 5,256 16 486
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 Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	1,850 513 109 <b>2,472</b> 573 5,996 35 604 33 194 <b>7,435</b>	2,111 462 113 <b>2,686</b> 756 5,470 23 612 29	2,184 332 125 <b>2,641</b> 589 5,340 16 464	2,200 303 124 <b>2,628</b> 100 5,355 16 541	2,200 306 126 <b>2,632</b> 150 5,304 16 503	2,200 309 127 <b>2,636</b> 150 5,256 16 486
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 Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	513 109 <b>2,472</b> 573 5,996 35 604 33 194 <b>7,435</b>	462 113 <b>2,686</b> 756 5,470 23 612 29	332 125 <b>2,641</b> 589 5,340 16 464	303 124 <b>2,628</b> 100 5,355 16 541	306 126 <b>2,632</b> 150 5,304 16 503	309 127 <b>2,636</b> 150 5,256 16 486
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 Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	109 2,472 573 5,996 35 604 33 194 7,435	113 <b>2,686</b> 756 5,470 23 612 29 334	125 <b>2,641</b> 589 5,340 16 464 65	124 <b>2,628</b> 100 5,355 16 541 65	126 <b>2,632</b> 150 5,304 16 503 65	127 <b>2,636</b> 150 5,256 16 486
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 Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	2,472 573 5,996 35 604 33 194 7,435	2,686 756 5,470 23 612 29 334	2,641 589 5,340 16 464 65	2,628 100 5,355 16 541 65	2,632 150 5,304 16 503 65	2,636 150 5,256 16 486
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 Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	573 5,996 35 604 33 194 <b>7,435</b>	756 5,470 23 612 29 334	589 5,340 16 464 65	100 5,355 16 541 65	150 5,304 16 503 65	150 5,256 16 486
Accounts payable Advance payments received on orders Other liabilities (incl. from lease and rental contracts) Deferred taxes Deferred income Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	5,996 35 604 33 194 <b>7,435</b>	756 5,470 23 612 29 334	589 5,340 16 464 65	100 5,355 16 541 65	5,304 16 503 65	150 5,256 16 486
Advance payments received on orders Other liabilities (incl. from lease and rental contracts) Deferred taxes Deferred income Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	35 604 33 194 <b>7,435</b>	23 612 29 334	16 464 65	16 541 65	16 503 65	16 486
Advance payments received on orders Other liabilities (incl. from lease and rental contracts) Deferred taxes Deferred income Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	604 33 194 <b>7,435</b>	612 29 334	464 65	541 65	503 65	486
Other liabilities (incl. from lease and rental contracts)  Deferred taxes  Deferred income  Current liabilities  TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	33 194 <b>7,435</b>	29 334	65	65	65	
Deferred income  Current liabilities  TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	194 <b>7,435</b>	334				65
Current liabilities TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	7,435		291	303	306	
TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	· ·	7,224		200		309
	10,455		6,765	6,381	6,345	6,283
Balance sheet (common size)	•	10,667	9,998	9,733	9,838	9,916
Balance sheet (common size)						
	2020	2021	2022	2023E	2024E	2025E
Intangible assets (excl. Goodwill)	1%	1%	2%	1%	1%	1%
Goodwill	5%	5%	5%	5%	5%	5%
Property, plant and equipment	25%	23%	24%	22%	18%	14%
Financial assets	6%	8%	8%	8%	8%	8%
FIXED ASSETS	37%	37%	39%	37%	33%	29%
Inventories	28%	29%	32%	33%	33%	33%
Accounts receivable	5%	3%	4%	5%	5%	4%
Other current assets	14%	13%	15%	16%	16%	16%
Liquid assets	16%	17%	9%	9%	13%	17%
Deferred taxes	0%	0%	0%	0%	0%	0%
Deferred charges and prepaid expenses	0%	1%	1%	1%	1%	1%
CURRENT ASSETS	63%	63%	61%	63%	67%	71%
TOTAL ASSETS	100%	100%	100%	100%	100%	100%
SHAREHOLDERS EQUITY	5%	7%	6%	7%	9%	10%
MINORITY INTEREST	1%	0%	0%	0%	0%	0%
Long-term debt	18%	20%	22%	23%	22%	22%
Provisions for pensions and similar obligations	5%	4%	3%	3%	3%	3%
Other provisions	1%	1%	1%	1%	1%	1%
Non-current liabilities	24%	25%	26%	27%	27%	27%
short-term liabilities to banks	5%	7%	6%	1%	2%	2%
Accounts payable	57%	51%	53%	55%	54%	53%
Advance payments received on orders	0%	0%	0%	0%	0%	0%
	6%	6%	5%	6%	5%	5%
Other liabilities (incl. from lease and rental contracts)					1%	1%
Other liabilities (incl. from lease and rental contracts)  Deferred taxes	0%	0%	1%	1%	-	
,	0% 2%	0% 3%	1% 3%	1% 3%	3%	3%
Deferred taxes						3% <b>63%</b>



Cash flow statement (EUR m)	2020	2021	2022	2023E	2024E	2025E
Net profit/loss	-80	326	105	132	170	178
Depreciation of fixed assets (incl. leases)	1,071	621	761	713	734	810
Amortisation of goodwill	0	0	0	0	0	0
Amortisation of intangible assets	0	0	0	26	21	18
Others	-28	-42	-34	-29	4	4
Cash flow from operations before changes in w/c	963	905	832	841	930	1,010
Increase/decrease in inventory	0	0	0	-17	-29	-32
Increase/decrease in accounts receivable	0	0	0	1	-40	56
Increase/decrease in accounts payable	0	0	0	15	-51	-48
Increase/decrease in other w/c positions	235	-455	-613	40	-36	-15
Increase/decrease in working capital	235	-455	-613	39	-156	-39
Cash flow from operating activities	1,198	450	219	880	773	971
CAPEX	-112	-141	-206	-433	-438	-442
Payments for acquisitions	0	0	-1	0	0	0
Financial investments	-156	-141	102	0	0	0
Income from asset disposals	20	19	40	0	0	0
Cash flow from investing activities	-248	-263	-65	-433	-438	-442
Cash flow before financing	950	187	154	447	336	530
Increase/decrease in debt position	-515	-17	-586	-473	50	0
Purchase of own shares	0	0	0	0	0	0
Capital measures	0	0	0	0	0	0
Dividends paid	-24	-21	-104	0	-33	-43
Others	-59	-38	-83	0	0	0
Effects of exchange rate changes on cash	-44	-12	-62	0	0	0
Cash flow from financing activities	-642	-88	-835	-473	17	-43
Increase/decrease in liquid assets	308	99	-681	-26	353	487
Liquid assets at end of period	1,484	1,582	769	743	1,096	1,583

Source: Company data; AlsterResearch

Regional sales split (EURm)	2020	2021	2022	2023E	2024E	2025E
Domestic	10,160	9,739	9,801	9,832	9,908	9,985
Europe (ex domestic)	10,671	11,622	11,967	11,828	11,968	12,109
The Americas	0	0	0	0	0	0
Asia	0	0	0	0	0	0
Rest of World	0	0	0	0	0	0
Total sales	20,831	21,361	21,768	21,659	21,876	22,095

Regional sales split (common size)	2020	2021	2022	2023E	2024E	2025E
Domestic	48.8%	45.6%	45.0%	45.4%	45.3%	45.2%
Europe (ex domestic)	51.2%	54.4%	55.0%	54.6%	54.7%	54.8%
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	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total sales	100%	100%	100%	100%	100%	100%



Ratios	2020	2021	2022	2023E	2024E	2025E
Per share data						
Earnings per share reported	-0.65	0.65	0.31	0.27	0.35	0.37
Cash flow per share	3.33	1.25	0.55	0.83	0.60	1.00
Book value per share	1.35	1.98	1.47	1.49	1.77	2.05
Dividend per share	0.00	0.17	0.00	0.07	0.09	0.09
Valuation						
P/E	-3.8x	3.8x	7.9x	9.1x	7.1x	6.8x
P/CF	0.7x	2.0x	4.5x	3.0x	4.1x	2.5x
P/BV	1.8x	1.3x	1.7x	1.7x	1.4x	1.2x
Dividend yield (%)	0.0%	6.8%	0.0%	2.7%	3.5%	3.7%
FCF yield (%)	134.2%	50.4%	22.0%	33.5%	24.2%	40.3%
EV/Sales	0.1x	0.1x	0.2x	0.1x	0.1x	0.1x
EV/EBITDA	2.5x	2.8x	3.9x	3.1x	2.6x	2.0x
EV/EBIT	-31.3x	8.2x	32.4x	14.1x	10.1x	8.1x
Income statement (EURm)						
Sales	20,831	21,361	21,768	21,659	21,876	22,095
yoy chg in %	-2.9%	2.5%	1.9%	-0.5%	1.0%	1.0%
Gross profit	3,779	3,656	3,807	3,726	3,782	3,822
Gross margin in %	18.1%	17.1%	17.5%	17.2%	17.3%	17.3%
EBITDA	991	947	866	945	1,015	1,093
EBITDA margin in %	4.8%	4.4%	4.0%	4.4%	4.6%	4.9%
EBIT	-80	326	105	207	260	265
EBIT margin in %	-0.4%	1.5%	0.5%	1.0%	1.2%	1.2%
Net profit	-232	232	126	132	170	178
Cash flow statement (EURm)						
CF from operations	1,198	450	219	880	773	971
Capex	-112	-141	-206	-433	-438	-442
Maintenance Capex	0	0	0	477	481	486
Free cash flow	1,086	309	13	447	336	530
Balance sheet (EURm)						
Intangible assets	626	649	676	650	629	612
Tangible assets	2,588	2,440	2,376	2,096	1,800	1,432
Shareholders' equity	487	713	590	722	859	995
Pension provisions	513	462	332	303	306	309
Liabilities and provisions	3,045	3,442	3,230	2,728	2,782	2,786
Net financial debt	786	1,007	1,860	1,413	1,110	623
w/c requirements	-2,594	-2,021	-1,740	-1,739	-1,619	-1,595
Ratios						
ROE	-43.7%	35.5%	22.0%	18.3%	19.8%	17.9%
ROCE	-2.2%	7.8%	2.7%	6.0%	7.1%	7.0%
Net gearing	161.4%	141.2%	315.3%	195.7%	129.2%	62.7%
Net debt / EBITDA	0.8x	1.1x	2.1x	1.5x	1.1x	0.6x
Source: Company data: AlsterResearch						



## Conflict of interests

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

- 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	
Ceconomy AG		



## 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 $5\text{-}Apr\text{-}23\ 12\text{:}16\text{:}44$

#### 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

#### Sales

MARKUS KÖNIG-WEISS

Head of Sales Tel: +49 40 309 293-52 E-Mail: mkw@alsterresearch.com

#### **Team Assistant**

HANNAH GABERT

Team Assistant Tel: +49 40 309 293-52 E-Mail: h.gabert@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

#### Our research can be found under

#### Research

**HARALD HOF** 

Senior Analyst Tel: +49 40 309 293-53 E-Mail: h.hof@alsterresearch.com

**LEVENT YILMAZ** 

Senior Analyst Tel: +49 40 309 293-52

E-Mail: l.yilmaz@alsterresearch.com

KATHARINA SCHLÖTER

Analyst

Tel: +49 40 309 293-52

E-Mail: k.schloeter@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

#### **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

 $\hbox{E-Mail: adeuss@mwbfairtrade.com}$ 

SASCHA GUENON

Head of Designated Sponsoring Tel: +49 40 360 995 - 23 E-Mail: sguenon@mwbfairtrade.com

# Research Hub

**RESEARCH HUB** 

BLOOMBERG

**FACTSET** 

THOMSON REUTERS / REFINITIV

CAPITALIQ

www.research-hub.de

www.bloomberg.com

www.factset.com

www.refinitiv.com

www.capitaliq.com