

# Schaltbau Holding AG

# Operational progress vs. valuation

# 12/09/2019

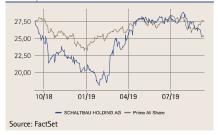
Hold	(Hold)
24.00 EUR	(21.50 EUR)

Close 10/09/2019	25.30 EUR
Bloomberg: SLT GR	WKN: A2NBTL
Sector	Transport & Logistics

Share price performance

52 week high / low	28.80 / 18.10 EUR
YTD	25.2%
12 months	-8.3%

Share price vs. Prime All Share



# Next event

Quarterly Results 31/10/20	19
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#### Change in model

	Sales	EBIT	EPS
2019e	-4.1%	-25.3%	-76.1%
2020e	-4.7%	5.5%	5.8%
2021e	-5.8%	-6.5%	-14.4%

#### Share data

Market Cap (m EUR)	223.8
No. of shares (m)	8.8
Free float	71.0%

# Analyst

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Following the latest releases, we conclude that Schaltbau has stabilised its financial position, increased efficiency and optimised processes. These measures led to a positive operating performance in H1 2019. We maintain our HOLD rating for the stock, but increase our price target from € 21.50 to € 24.00.

# **INVESTMENT CASE**

We have adjusted our model to match the new company structure as Sepsa Group was deconsolidated on 7 May after loss of control due to the liquidation process. Alte was sold and deconsolidated on 29 May 2019.

Order intake remains high. The company stated that it is seeing strong growth in Components with order intake in H1 2019 up by 13.6% yoy, primarily driven by strong demand for rolling stock electrics and contactors.

At the end of June, the Order book stood at € 492 m, which corresponds to a like-for-like (excluding Pintsch Bubenzer, Sepsa and Alte contributions) increase of 10.6%.

Net debt increased by  $\in$  17.2 m in H1 2019 to  $\in$  117.3 m. This was mainly driven by an increase in working capital due to higher inventories and accounts receivables as well as lower accounts payable.

Schaltbau also made progress in financing terms. A new syndicated credit facility was signed in mid-June. The company rearranged the promissory notes and set up a programme for the securitisation of receivables. All-in-all the facilities of  $> \$ 150 m provide sufficient liquidity leeway in the medium term.

#### **CATALYSTS**

 The newsflow should show that the company is making further operational progress.

# VALUATION

Our DCF model brings us to a price target of € 24.00 (old: € 21.50) at this point. The stock is trading at 22.6x  $P/E_{2021}$  compared with 17.5x for the peer group.

in m EUR	2017	2018	2019e	2020e	2021e
Sales	516.5	518.3	492.5	504.0	513.5
EBIT	-23.0	-7.3	14.0	24.0	25.9
EBIT margin	-4.4%	-1.4%	2.8%	4.8%	5.1%
Net financial debt	158.4	100.4	119.0	102.9	85.5
Free cash flow	-23.8	21.9	-20.1	16.2	17.4
EPS (in EUR)	-8.04	-1.93	0.14	0.97	1.12
DPS (in EUR)	0.00	0.00	0.00	0.00	0.00
Dividend yield	0.0%	0.0%	0.0%	0.0%	0.0%
EV/sales	0.8	0.7	0.8	0.8	0.7
EV/EBIT	-17.4	-46.5	29.4	16.4	14.6
P/E	-3.4	-10.4	177.6	26.2	22.6

# We have changed our estimates for 2019-21 as follows:

# Changes to our estimates

# Bankhaus Lampe

EUR m	2019e old	2019e new	Change	2020e old	2020e new	Change	2021e old	2021e new	Change
Sales	498.6	492.5	-1.2%	513.8	504.0	-1.9%	529.1	504.0	5.0%
EBIT	16.0	14.0	-12.5%	18.7	24.0	28.5%	22.8	24.0	5.4%
EBIT margin	3.2%	2.8%	-0.4 PP	3.6%	4.8%	1.1 PP	4.3%	4.8%	-0.5 PP
EPS (€)	0.18	0.14	-20.9%	0.60	0.97	61.2%	0.91	0.97	6.3%
DPS (€)	0.00	0.00		0.00	0.00		0.00	0.00	
Source: Bankhaus Lampe Research									

# BHL VS. CONSENSUS

Currently, there are no consensus forecast numbers for the company available from FactSet.

# DCF-based price target of € 24.00

We still evaluate Schaltbau using a DCF model, which leads to a new price target of  $\notin$  24.00 (previously:  $\notin$  21.50).

Schaltbau DCF model (EUR m)	2019e	2020e	2021e	2022e	2023e	2024e	2025e	2026e	Terminal Value
EBIT	14.0	24.0	25.9	26.2	26.5	26.7	27.0	27.3	32.5
EBIT Non-Operating / FD	0	0	0	0	0	0	0	0	0
EBIT Industrial Business	14.0	24.0	25.9	26.2	26.5	26.7	27.0	27.3	32.5
Taxes	-4.2	-7.2	-7.8	-7.9	-7.9	-8.0	-8.1	-8.2	-9.8
NOPAT	9.8	16.8	18.2	18.3	18.5	18.7	18.9	19.1	22.8
+ Depreciation	19.0	19.0	20.0	20.2	20.4	20.6	20.8	21.0	21.1
- Capex	-25.8	-13.9	-15.0	-15.2	-15.3	-15.5	-15.6	-15.8	-21.1
+/- Change in working capital	-16.6	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6
+/- Other cash items	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Cashflow	-13.5	24.4	25.7	25.9	26.2	26.4	26.7	27.0	25.4
Discounting period in years	0.3	1.3	2.3	3.3	4.3	5.3	6.3	7.3	8.3
WACC	6.6%	6.6%	6.6%	6.6%	6.6%	6.6%	6.6%	6.6%	6.6%
Present value	-13.3	22.5	22.2	21.0	19.9	18.9	17.9	17.0	246.2

# Calculation of fair value per share

Sum of all present values	372
thereof Terminal Value	66%
+ Operating Segment Financial Assets	6
- Minorities	-29
- Pension provisions	-39
- Net financial debt (cash) of operations	-100
- Others	0
Fair operating value	210
Bookvalue non-operating assets	0
Equity Value	210
Holding discount	0%
Fair equity value	210
No. of shares [in mio.]	8.8

# Fair value per share [in €]

23.70

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Risk-free rate	1.0%
Market risk premium	7.0%
Beta	1.5
Expected return on investment	11.5%
Cost of debt	7.0%
Tax rate	30.0%
Cost of debt after taxes	4.9%

#### MAIN RISKS TO OUR INVESTMENT CASE

- Generally speaking, the technological changes in the rail sector driven by digitalisation present an opportunity for Schaltbau. However, the resulting realignment of strategies by customers could also lead to the electromechanical products previously sold to them – such as driver's cab equipment – being replaced by digital solutions.
- Moreover, the competitive density for digital products is high and may continue
  to increase as new suppliers are entering the market. In addition, the
  development of digital products can involve high upfront expenditure for R&D
  and marketing as well as investments in production facilities and processes.
- Political instability and sanctions as well as changes in economic policy could impair the sale of products in certain regions.
- The number of potential customers in the rail and bus sectors is limited. The
  existing structures put power in the hands of the customer, resulting
  simultaneously in increased downward pressure on selling prices.

# Key figures

# Schaltbau Holding AG – Income statement

in m EUR	2017	2018	2019e	2020e	2021e
Sales	516.5	518.3	492.5	504.0	513.5
Own work capitalised	16.8	5.1	0.0	0.0	0.0
Total sales	533.2	523.4	492.5	504.0	513.5
Material expenses	-275.6	-280.4	-256.1	-263.1	-264.5
Personnel expenses	-186.9	-177.2	-173.0	-174.9	-175.0
Unusual or infrequent items	0.0	0.0	0.0	0.0	0.0
Other operating result	-50.7	-42.9	-30.4	-23.0	-28.1
EBITDA	20.1	23.0	33.0	43.0	45.9
Depreciation	43.1	29.8	19.0	19.0	20.0
EBITA	-23.0	-6.9	14.0	24.0	25.9
Amortisation of goodwill	0.0	0.4	0.0	0.0	0.0
Amortisation of intangible assets	0.0	0.0	0.0	0.0	0.0
EBIT	-23.0	-7.3	14.0	24.0	25.9
Financial result	-12.7	-8.8	-7.2	-6.8	-6.8
Income on ordinary activities	-35.7	-16.1	6.8	17.2	19.1
Extraordinary income/loss	0.0	0.0	0.0	0.0	0.0
EBT	-35.7	-16.1	6.8	17.2	19.1
Taxes	-13.9	1.9	-2.0	-5.2	-5.7
Net income from cont. operations	-49.6	-14.1	4.8	12.1	13.4
Net income from discont. operations	0.0	0.0	0.0	0.0	0.0
Minority interest	-2.2	-2.4	-3.5	-3.5	-3.5
Net income (adj.)	-51.7	-16.5	1.3	8.6	9.9
No. of shares	6.4	8.5	8.8	8.8	8.8
EPS	-8.04	-1.93	0.14	0.97	1.12
Source: Company information, Bankhaus Lampe Re	search estimates				
	2017	2018	2019e	2020e	2021e
Gross margin	46.6%	45.9%	48.0%	47.8%	48.5%
EBITDA margin	3.9%	4.4%	6.7%	8.5%	8.9%
EBITA margin	-4.4%	-1.3%	2.8%	4.8%	5.1%
EBIT margin	-4.4%	-1.4%	2.8%	4.8%	5.1%
EBT margin	-6.9%	-3.1%	1.4%	3.4%	3.7%
Net profit margin	-10.0%	-3.2%	0.3%	1.7%	1.9%
Tax rate	-38.8%	12.1%	30.0%	30.0%	30.0%
Source: Company information, Bankhaus Lampe Re	search estimates				
Growth rates yoy	2017	2018	2019e	2020e	2021e
Sales	1.4%	0.4%	-5.0%	2.3%	1.9%
EBITDA	23.1%	14.1%	-5.0% 43.6%	30.4%	6.8%
EBIT		68.3%	43.6%	71.6%	0.090
LUII			-		0 00/-
FRT	-58.6%				8.0%
EBT Net income (adi.)	<-100%	55.0%	-	>100%	11.2%
EBT Net income (adj.) EPS			-		

# Schaltbau Holding AG – Balance sheet

Assets (in m EUR)	2017	2018	2019e	2020e	2021e
Fixed assets	154.7	142.7	149.5	144.4	139.4
Property, plant and equipment	72.3	75.6	83.1	80.0	77.0
Intangible assets	67.5	51.1	49.0	47.0	45.0
Financial assets	10.8	6.4	6.4	6.4	6.4
Other long-term assets	4.1	9.6	11.0	11.0	11.0
Current assets	297.3	254.1	281.0	270.6	285.5
Inventories	94.3	108.1	115.0	112.5	110.0
Accounts receivable	91.9	93.3	105.0	105.0	105.0
Other current assets	85.9	31.6	36.0	36.0	36.0
Securities	0.0	0.0	0.0	0.0	0.0
Cash	25.3	21.1	25.0	17.1	34.5
Total assets	452.0	396.8	430.4	415.0	424.9
Equity and liabilities in m EUR					
Shareholders' equity	70.6	93.8	95.1	103.7	113.6
Shareholders' equity (before minority)	39.3	64.6	65.9	74.4	84.3
Minorities	31.3	29.2	29.2	29.2	29.2
Non-current liabilities	182.9	63.5	74.8	74.8	74.8
Pension provisions	37.5	36.8	39.3	39.3	39.3
Other provisions	14.2	7.3	7.5	7.5	7.5
Long-term financial debt	125.2	12.1	20.0	20.0	20.0
Other long-term debt	6.0	7.2	8.0	8.0	8.0
Current liabilities	198.5	239.5	260.5	236.5	236.5
Short-term debt	58.6	109.4	124.0	100.0	100.0
Other accruals short-term	29.6	30.5	30.5	30.5	30.5
Accounts payable	46.4	47.4	36.0	36.0	36.0
Other liabilities	63.9	52.1	70.0	70.0	70.0
Total equity and liabilities	452.0	396.8	430.4	415.0	424.9

Source: Company information, Bankhaus Lampe Research estimates

# Schaltbau Holding AG – Balance sheet structure

Assets	2017	2018	2019e	2020e	2021e
Fixed assets	34.2%	36.0%	34.7%	34.8%	32.8%
Property, plant and equipment	16.0%	19.0%	19.3%	19.3%	18.1%
Intangible assets	14.9%	12.9%	11.4%	11.3%	10.6%
Current assets	65.8%	64.0%	65.3%	65.2%	67.2%
Inventories	20.9%	27.2%	26.7%	27.1%	25.9%
Accounts receivable	20.3%	23.5%	24.4%	25.3%	24.7%
Cash	5.6%	5.3%	5.8%	4.1%	8.1%
Equity and liabilities					
Shareholders' equity	15.6%	23.7%	22.1%	25.0%	26.7%
Non-current liabilities	40.5%	16.0%	17.4%	18.0%	17.6%
Pension provisions	8.3%	9.3%	9.1%	9.5%	9.2%
Long-term financial debt	27.7%	3.1%	4.6%	4.8%	4.7%
Current liabilities	43.9%	60.4%	60.5%	57.0%	55.7%
Short-term debt	13.0%	27.6%	28.8%	24.1%	23.5%
Accounts payable	10.3%	12.0%	8.4%	8.7%	8.5%

# Schaltbau Holding AG – Cash flow statement

in m EUR	2017	2018	2019e	2020e	2021e
Net income (adj.)	-51.7	-16.5	1.3	8.6	9.9
Depreciation	43.1	29.8	19.0	19.0	20.0
Amortisation of goodwill & intangible assets	0.0	0.4	0.0	0.0	0.0
Change of provisions	-7.5	-6.7	2.7	0.0	0.0
Other	30.9	-41.6	-0.7	0.0	0.0
Operating cash flow before changes in w/c	14.8	-34.5	22.2	27.6	29.9
Change in inventory	7.1	-13.8	-6.9	2.5	2.5
Change in accounts receivable	23.4	-1.4	-11.7	0.0	0.0
Change in accounts payable	4.4	1.0	-11.4	0.0	0.0
Change in other assets	-39.2	42.5	13.5	0.0	0.0
Operating cash flow	10.5	-6.2	5.7	30.1	32.4
Capex, incl. capitalized R&D	-17.6	-16.1	-25.8	-13.9	-15.0
Payments for acquisitions	0.0	0.0	0.0	0.0	0.0
Financial investments	-20.9	15.6	0.0	0.0	0.0
Income from asset disposals	0.3	28.7	0.0	0.0	0.0
Income from financial investments	3.9	0.0	0.0	0.0	0.0
Cash flow from investing activities	-34.3	28.1	-25.8	-13.9	-15.0
Free cash flow	-23.8	21.9	-20.1	16.2	17.4
Capital measures	15.5	46.5	0.0	0.0	0.0
Increase/decrease in debt position	-6.3	-69.2	22.5	-24.0	0.0
Purchase of own shares	0.0	0.0	0.0	0.0	0.0
Other financing Cash-flow	0.0	-3.5	0.8	0.0	0.0
Dividend paid	-3.5	0.0	0.0	0.0	0.0
Cash flow from financing activities	5.7	-26.3	23.3	-24.0	0.0
Increase/ decrease in liquid assets	-18.1	-4.4	3.2	-7.8	17.4
Effects of exchange rate changes	-0.9	-0.1	0.0	0.0	0.0
Cash at beginning of period	31.2	26.4	21.8	25.0	17.1
Change in total cash and cash equivalents	-19.0	-4.5	3.2	-7.8	17.4
Cash at end of period	12.2	21.8	25.0	17.1	34.5

# Schaltbau Holding AG - Ratios

Per   Share Data		2017	2018	2019e	2020e	2021e
Book value per share         10.96         10.99         10.75         11.72         12.84           Free Cash-flow per share         3.70         2.56         2.27         1.83         1.97           Dividend per share         0.00         0.00         0.00         0.00           EV/Salcs         0.8         0.7         0.8         0.7           EV/BEID         1.91         1.47         1.25         9.2         8.2           EV/EBIT         -1.74         -4.65         2.94         1.64         1.46           PIC         -3.4         -10.4         17.76         2.62         2.2.6           Price to book (total equity)         2.5         1.8         2.4         1.0         0.0%         0.	Per Share Data					
Free Cash-flow per share         3.70         2.56         2.27         1.83         1.97           Dividend per share         0.00         0.00         0.00         0.00         0.00           Valuation ratios         Text         1.83         0.7         0.88         0.7         0.88         0.8         0.7         6.72         1.83         0.88         0.7         2.82         1.82         0.02 <td>EPS</td> <td>-8.04</td> <td>-1.93</td> <td>0.14</td> <td>0.97</td> <td>1.12</td>	EPS	-8.04	-1.93	0.14	0.97	1.12
Dividend per share         0.00         0.00         0.00         0.00           Valuation ratios           EV/Sales         0.8         0.7         0.8         8.8         8.0         7.2           EV/EBITDA         19.9         14.7         12.5         9.2         8.2           EV/EBIT         -71.4         4-6.5         29.0         16.4         14.6           P/E         -3-4         -10.4         177.6         26.2         22.6           Price to book (total equity)         2.5         1.8         2.4         2.2         2.0           Dividend yield         0.0%         0.0%         0.0%         2.0         2.2         2.0           Profitability ratios         4.4%         1.4%         2.9%         4.5%         8.5%         8.9%           Ret return on sales         -1.0%         -2.9%         2.0%         9.1%         9.5%         8.9%           Ret return on sales         -1.0%         -2.9%         5.0%         9.1%         9.9%           Ret return on sales         -1.0%         -2.9%         5.0%         9.1%         9.2%            5.70%         6.7.9%         6.7.9%         6.4.7%         6	Book value per share	10.96	10.99	10.75	11.72	12.84
Valuation ratios         EV/Sales         0.8         0.7         0.8         0.8         0.7           EV/EBITA         19.9         14.7         12.5         9.2         8.2           EV/EBIT         -17.4         -46.5         29.4         16.4         14.6           PIC         -3.4         -10.4         17.76         26.2         22.2           Drividend yield         0.0%         0.0%         0.0%         0.0%         0.0%           Profitability ratios         8.5%         4.4%         2.2         2.0           EBITDA margin         -4.4%         -1.4%         2.8%         4.8%         5.1%           Net return on sales         -10.0%         3.2%         3.0%         4.9%         5.1%           Return on capital employee (ROCE)         -7.9%         2.2%         5.0%         4.9%         5.1%           Productivity ratios         -1.2         3.3         -0.8         6.4.7%         6.2.0%           Operating leverage         1.1.2         3.3         -0.8         6.4.7%         6.2.0%           Operating leverage         1.2         3.3         -0.8         19.3         19.3           Ellip per employee (in thousands)         16.69.23 </td <td>Free Cash-flow per share</td> <td>-3.70</td> <td>2.56</td> <td>-2.27</td> <td>1.83</td> <td>1.97</td>	Free Cash-flow per share	-3.70	2.56	-2.27	1.83	1.97
EV/Sales         0.8         0.7         0.8         0.8         0.7           EV/EBITOA         19.9         14.7         12.5         9.2         8.2           EV/EBIT         -17.4         -46.5         29.4         16.4         14.6           P/E         -3.4         -10.4         177.6         26.2         22.0           Dividend yield         0.0%         0.0%         0.0%         0.0%         0.0%           Profitability ratios         8.7         4.4%         6.6.7%         8.5%         8.9%           EBIT margin         -4.4%         -1.4%         2.8%         4.5%         5.1%           Net return on sales         -1.00%         -3.2%         0.5%         1.7%         1.9%           Return on capital employed (ROCE)         -7.9%         2.9%         6.7%         64.7%         9.5%           Productivity ratios         57.0%         57.2%         67.7%         64.7%         9.0%           Return on capital employed (ROCE)         -7.9%         2.9%         67.7%         64.7%         9.0%           Sales per employee (in thousands)         16.623         17.289         67.7%         64.7%         9.26           Operating leverage	Dividend per share	0.00	0.00	0.00	0.00	0.00
EV/EBITOA         19.9         14.7         12.5         9.2         8.2           EV/EBIT         -17.4         -46.5         29.4         16.4         14.6           P/E         -3.4         -10.4         17.7         6.2         2.2           Price to book (total equity)         2.5         1.8         2.4         2.2         2.0           Dividen yield         0.0%         0.0%         0.0%         0.0%         0.0%           Profitability ratios         3.9%         4.4%         6.7%         8.5%         8.9%           EBIT margin         -4.4%         1.1,4%         2.2%         4.8%         5.1%           Net return on sales         -10.0%         -2.2%         5.0%         1.9%         5.5%           Net turn on capital employed (ROCE)         -7.9%         2.2%         5.0%         1.9%         5.5%           Productivity ratios         5.0%         5.2%         5.7%         6.7%         6.0%         2.0%           Sales per employee (in thousands)         166.923         172,98         179,091         183,273         183,373           EBIT per employee (in thousands)         166.923         172,28         179,091         183,273         183,273	Valuation ratios					
EV/EBIT         -17.4         -46.5         29.4         16.4         17.6         22.2         22.6           Price to book (total equity)         2.5         1.0         17.76         26.2         22.6           Price to book (total equity)         2.5         1.0         0.0%         0.0%         0.0%         0.0%           Profitability ratios         8.9         4.4%         6.7%         8.5%         8.9%           BEIT margin         -4.4%         1.4%         2.8%         4.8%         5.1%           Net return on sales         1.0         -3.2%         0.3%         1.7%         1.9%           Return on capital employed (ROCE)         -7.9%         2.9%         5.0%         9.1%         9.5%           Productivity ratio         57.0%         57.2%         67.7%         64.7%         62.0%           Operating leverage         1.2         8.3         -0.8         0.9         0.0%           Sells per employee (in thousands)         166.923         17.2%         57.9%         64.7%         64.7%         62.0%           BEIT per employee (in thousands)         3.1         3.0         2.8         2.8         2.2           Sell per employee (in thousands)         3.1	EV/Sales	0.8	0.7	0.8	0.8	0.7
P/E         -3.4         -10.4         17.76         26.2         22.6           Price to book (total equity)         2.5         1.8         2.4         2.2         2.0           Dividend yield         0.0%         8.5%         8.9%         8.9%         8.9%         8.9%         8.9%         8.9%         8.9%         8.9%         8.9%         8.9%         9.0%         <	EV/EBITDA	19.9	14.7	12.5	9.2	8.2
Price to book (total equity)         2.5         1.8         2.4         2.2         2.0           Dividen yield         0.0%         0.0%         0.0%         0.0%         0.0%           Profitability ratios         3.9%         4.4%         6.7%         8.5%         8.9%           EBIT margin         -4.4%         -1.4%         2.8%         4.8%         5.1%           Net return on sales         -10.0%         -2.2%         0.3%         1.7%         1.9%           Return on capital employed (ROCE)         -7.9%         -2.9%         5.0%         9.1%         2.9%           Productivity ratios         57.2%         67.7%         64.7%         62.0%           Operating leverage         -1.2         8.3         -0.8         0.9         0.2           Sales per employee (in thousands)         0         0         5.91         183,23         183,33           EBIT per employee (in thousands)         0         0         5.91         8.2%         2.8           Ibit per employee (in thousands)         0         0         5.9         8.2%         2.8           Bit per employee (in thousands)         0         0         0         5.9         2.8         2.8	EV/EBIT	-17.4	-46.5	29.4	16.4	14.6
Dividend yield         0.0%	P/E	-3.4	-10.4	177.6	26.2	22.6
Profitability ratios   3.9%   4.4%   6.7%   8.5%   8.9%	Price to book (total equity)	2.5	1.8	2.4	2.2	2.0
EBITDA margin         3.9%         4.4%         6.7%         8.5%         8.9%           EBIT margin         -4.4%         -1.4%         2.8%         4.8%         5.1%           Net return on sales         -10.0%         -3.2%         0.3%         1.7%         1.9%           Return on capital employed (ROCE)         -7.9%         -2.9%         5.0%         9.1%         9.5%           Productivity ratios	Dividend yield	0.0%	0.0%	0.0%	0.0%	0.0%
EBIT margin         4.4%         -1.4%         -2.8%         4.8%         5.1%           Net return on sales         -10.0%         -2.2%         0.3%         1.7%         1.9%           Return on capital employed (ROCE)         -7.9%         -2.9%         5.0%         1.7%         9.5%           Productivity ratios	Profitability ratios					
Net return on sales         -10.0%         -3.2%         0.3%         1.7%         1.9%           Return on capital employed (ROCE)         -7.9%         -2.9%         5.0%         9.1%         9.5%           Productivity ratios         57.0%         57.0%         67.7%         67.7%         64.7%         62.0%           Operating leverage         -1.2         8.3         -0.8         0.9         0.2           Sales per employee (in thousands)         0         0         5.091         87.36         9.26           Number of employees (in thousands)         3.1         3.0         2.8         2.8         2.8           Ell per employees (in thousands)         0         0         5.091         8.736         9.26           Number of employees (in thousands)         3.1         3.0         2.8         2.8         2.8           Eight yeartio         5.5%         22.7%         22.1%         25.0%         26.7%           Number of employees (in thousands)         15.6%         23.7%         22.1%         25.0%         2.8           Financial ratios         15.6%         23.7%         22.1%         25.0%         25.0%         2.6           Net financial ratios         15.6%         23.7%	EBITDA margin	3.9%	4.4%	6.7%	8.5%	8.9%
Return on capital employed (ROCE)         -7.9%         -2.9%         5.0%         9.1%         9.5%           Productivity ratios         57.0%         57.2%         67.7%         64.7%         62.0%           Operating leverage         -1.2         8.3         -9.8         0.9         0.2           Sales per employee (in thousands)         166,923         172,896         7.9%         8.736         9.26           Rumber of employees (in thousands)         3.1         3.0         5.0         8.736         9.26           Number of employees (in thousands)         3.1         3.0         2.8         2.8         9.28           Rumber of employees (in thousands)         3.1         3.0         5.28         2.8         9.26           Number of employees (in thousands)         3.1         3.0         2.8         2.8         9.28           BEIT per employees (in thousands)         3.1         3.0         2.8         2.8         2.8           BEIT per employees (in thousands)         3.1         3.0         2.8         2.8         2.8         2.8           Buth of the Europe (in thousands)         3.1         3.0         2.2.1         3.0         3.0         3.0         3.0         3.0         3.0         <	EBIT margin	-4.4%	-1.4%	2.8%	4.8%	5.1%
Productivity ratios         57.0%         57.2%         67.7%         64.7%         62.0%           Operating leverage         -1.2         8.3         -0.8         0.9         0.2           Sales per employee (in thousands)         166,923         172,896         179,991         183,273         183,393           BBIT per employee (in thousands)         0         0         5,091         8,736         9,267           Number of employees (in thousands)         3.1         3.0         2.8         2.8         2.8           Financial ratios         23,796         22,196         25,096         26,796           Net financial debt (in m EUR)         158.69         23,796         22,196         25,096         26,796           Net debt / Equity         224.599         107,090         119.0         102.9         85.5           Net debt / Equity         224.599         107,090         119.0         102.9         85.5           Net debt / Equity         224.599         107,090         1.9         3.4         3.7           Net debt / Equity         234.9         14.3         3.61         2.39         1.86           Working Capital (in m EUR)         3.9         14.3         3.0         -2.5         17	Net return on sales	-10.0%	-3.2%	0.3%	1.7%	1.9%
Capital turnover         57.0%         57.2%         67.7%         64.7%         62.0%           Operating leverage         -1.2         8.3         -0.8         0.9         0.2           Sales per employee (in thousands)         166,923         172,896         179,091         183,273         183,393           BBT per employee (in thousands)         0         0         5,091         8,736         9,267           Number of employees (in thousands)         3.1         3.0         2.8         2.8         2.8           Pumber of employees (in thousands)         3.1         3.0         2.8         2.8         2.8           Number of employees (in thousands)         3.1         3.0         2.8         2.8         2.8           Number of employees (in thousands)         3.1         3.0         2.8         2.8         2.8           Number of employees (in thousands)         3.1         3.0         2.2.1         2.8         2.8           Print of the Units of March	Return on capital employed (ROCE)	-7.9%	-2.9%	5.0%	9.1%	9.5%
Operating leverage         -1.2         8.3         -0.8         0.9         0.2           Sales per employee (in thousands)         166,923         172,896         179,091         183,273         183,393           EBIT per employee (in thousands)         0         0         5,091         8,736         9,267           Number of employees (in thousands)         3.1         3.0         2.8         2.8         2.8           Financial ratios         8         23.7%         22.1%         25.0%         26.7%           Financial ratios         8         23.7%         22.1%         25.0%         26.7%           Net financial debt (in m EUR)         158.4         100.4         119.0         102.9         85.5           Net debt / Equity         224.5%         107.0%         125.1%         99.2%         75.3%           Interest cover         -2.0         -1.0         1.9         3.4         3.7           Net debt / Eguity         224.5%         107.0%         1.8         99.2%         75.3%           Interest cover         -2.0         -1.0         1.9         3.4         3.7           Net debt / Eguity (in m EUR)         139.7         1.54         1.8         1.8         1.9	Productivity ratios					
Sales per employee (in thousands)         166,923         172,896         179,091         183,273         183,393           EBIT per employee (in thousands)         0         0         5,091         8,736         9,267           Number of employees (in thousands)         3.1         3.0         2.8         2.8         2.8           Emancial ratios         8         2.3         2.50%         26.7%           Net graph of thousands (in meur)         15.6%         23.7%         22.1%         25.0%         26.7%           Net graph of thousands (in meur)         15.8%         23.7%         22.1%         25.0%         26.7%           Net graph of thousands (in meur)         15.8%         10.04         119.0         10.29         85.5           Net graph of Light (in meur)         24.5%         10.0%         125.1%         99.2%         75.3%           Net debt / Egitty         22.0         10.0%         125.1%         99.2%         75.3%           Net debt / Egitty         7.87         4.37         3.61         2.39         1.86           Working Capital (in m EUR)         139.7         154.0         184.0         181.5         179.0           Working Capital (in m EUR)         39.7         29.7%         37.4%<	Capital turnover	57.0%	57.2%	67.7%	64.7%	62.0%
EBIT per employee (in thousands)         0         5,091         8,736         9,267           Number of employees (in thousands)         3.1         3.0         2.8         2.8         2.8           Financial ratios         Eguity ratio         15.6%         23.7%         22.1%         25.0%         26.7%           Net financial debt (in m EUR)         15.6%         23.7%         22.1%         25.0%         26.7%           Net debt / Equity         224.5%         107.0%         125.1%         99.2%         75.3%           Net debt / Equity         224.5%         107.0%         125.1%         99.2%         75.3%           Interest cover         -2.0         -1.0         1.9         3.4         3.7           Net debt / EBITDA         7.8         4.37         3.61         2.39         1.86           Working Capital (in m EUR)         139.7         154.0         184.0         181.5         179.0           Change in working capital (in m EUR)         -34.9         14.3         3.0         -2.5         179.0           WC /sales         27.0%         29.7%         37.4%         36.0         34.9%           Stocks in days of sales         5         5         55         55         55 <td>Operating leverage</td> <td>-1.2</td> <td>8.3</td> <td>-0.8</td> <td>0.9</td> <td>0.2</td>	Operating leverage	-1.2	8.3	-0.8	0.9	0.2
Number of employees (in thousands)         3.1         3.0         2.8         2.8         2.8           Financial ratios           Equity ratio         15.6%         23.7%         22.1%         25.0%         26.7%           Net financial debt (in m EUR)         158.4         100.4         119.0         102.9         85.5           Net debt / Equity         224.5%         107.0%         125.1%         99.2%         75.3%           Interest cover         -2.0         -1.0         1.9         3.4         3.7           Net debt / EBITDA         7.87         4.37         3.61         2.39         1.86           Working Capital (in m EUR)         139.7         154.0         184.0         181.5         179.0           Change in working capital (in m EUR)         -34.9         14.3         30.0         -2.5         179.0           WC /sales         27.0%         29.7%         37.4%         36.0%         34.9%           Stocks in days of sales         70         70         70         7         -7           Trade creditors in days of COGS/sales         23         23         23         23         23         23         -7           Cash conversion cycle         102 <td< td=""><td>Sales per employee (in thousands)</td><td>166,923</td><td>172,896</td><td>179,091</td><td>183,273</td><td>183,393</td></td<>	Sales per employee (in thousands)	166,923	172,896	179,091	183,273	183,393
Financial ratios         Equity ratio         15.6%         23.7%         22.1%         25.0%         26.7%           Net financial debt (in m EUR)         158.4         100.4         119.0         102.9         85.5           Net debt / Equity         224.5%         107.0%         125.1%         99.2%         75.3%           Interest cover         -2.0         -1.0         1.9         3.4         3.7           Net debt / EBITDA         7.87         4.37         3.61         2.39         1.86           Working Capital (in m EUR)         139.7         154.0         184.0         181.5         179.0           Change in working capital (in m EUR)         -34.9         14.3         30.0         -2.5         179.0           WC /sales         27.0%         29.7%         37.4%         36.0%         34.9%           Stocks in days of sales         70         70         70         70         70           Trade debitors in days of Sales         55         55         55         55         55         55         15           Trade creditors in days of COGS/sales         23         23         23         23         23         23         23         23         23         75.0%	EBIT per employee (in thousands)	0	0	5,091	8,736	9,267
Equity ratio         15.6%         23.7%         22.1%         25.0%         26.7%           Net financial debt (in m EUR)         158.4         100.4         119.0         102.9         85.5           Net debt / Equity         224.5%         107.0%         125.1%         99.2%         75.3%           Interest cover         -2.0         -1.0         1.9         3.4         3.7           Net debt / EBITDA         7.87         4.37         3.61         2.39         1.86           Working Capital (in m EUR)         139.7         154.0         184.0         181.5         179.0           Change in working capital (in m EUR)         -34.9         14.3         30.0         -2.5         179.0           WC /sales         27.0%         29.7%         37.4%         36.0%         34.9%           Stocks in days of sales         70         70         70         70         70           Trade debitors in days of sales         55         55         55         55         55         55         1-2           Trade creditors in days of COGS/sales         23         23         23         23         23         23         23         23         23         75.0%           Cash conversion	Number of employees (in thousands)	3.1	3.0	2.8	2.8	2.8
Net financial debt (in m EUR)         158.4         100.4         119.0         102.9         85.5           Net debt / Equity         224.5%         107.0%         125.1%         99.2%         75.3%           Interest cover         -2.0         -1.0         1.9         3.4         3.7           Net debt / EBITDA         7.87         4.37         3.61         2.39         1.86           Working Capital (in m EUR)         139.7         154.0         184.0         181.5         179.0           Change in working capital (in m EUR)         -34.9         14.3         30.0         -2.5         179.0           WC /sales         27.0%         29.7%         37.4%         36.0%         34.9%           Stocks in days of sales         70         70         70         70         -70           Trade debitors in days of sales         55         55         55         55         -55         -7           Trade creditors in days of COGS/sales         23         23         23         23         23         -23         -2           Cash conversion cycle         102         102         102         102         102         102         102         102         102         102         102	Financial ratios					
Net debt / Equity         224.5%         107.0%         125.1%         99.2%         75.3%           Interest cover         -2.0         -1.0         1.9         3.4         3.7           Net debt / EBITDA         7.87         4.37         3.61         2.39         1.86           Working Capital (in m EUR)         139.7         154.0         184.0         181.5         179.0           Change in working capital (in m EUR)         -34.9         14.3         30.0         -2.5         179.0           WC /sales         27.0%         29.7%         37.4%         36.0%         34.9%           Stocks in days of sales         70         70         70         70         -7           Trade debitors in days of sales         55         55         55         55         -7           Trade creditors in days of COGS/sales         23         23         23         23         23         -2           Cash conversion cycle         102         102         102         102         102         102         102         102         102         102         75.0%         75.0%           Others         Sales CAGR (last 3 years)         6.3%         1.1%         -1.1%         -0.8%	Equity ratio	15.6%	23.7%	22.1%	25.0%	26.7%
Interest cover         -2.0         -1.0         1.9         3.4         3.7           Net debt / EBITDA         7.87         4.37         3.61         2.39         1.86           Working Capital (in m EUR)         139.7         154.0         184.0         181.5         179.0           Change in working capital (in m EUR)         -34.9         14.3         30.0         -2.5         179.0           WC /sales         27.0%         29.7%         37.4%         36.0%         34.9%           Stocks in days of sales         70         70         70         70         -           Trade debitors in days of Sales         55         55         55         55         -           Trade creditors in days of COGS/sales         23         23         23         23         -           Cash conversion cycle         102         102         102         102         0           Invest. (property/plant/equity) / Depreciation         40.9%         54.0%         135.7%         73.2%         75.0%           Others         5         5         5         -1.1%         -1.1%         -0.8%         700.8%           EBIT CAGR (last 3 years)         6.3%         1.1%         -1.1%         -201.5%	Net financial debt (in m EUR)	158.4	100.4	119.0	102.9	85.5
Net debt / EBITDA         7.87         4.37         3.61         2.39         1.86           Working Capital (in m EUR)         139.7         154.0         184.0         181.5         179.0           Change in working capital (in m EUR)         -34.9         14.3         30.0         -2.5         179.0           WC /sales         27.0%         29.7%         37.4%         36.0%         34.9%           Stocks in days of sales         70         70         70         70         -           Trade debitors in days of sales         55         55         55         55         -         -           Trade creditors in days of COGS/sales         23         23         23         23         23         -         -           Cash conversion cycle         102         102         102         102         0         -         0           Invest. (property/plant/equity) / Depreciation         40.9%         54.0%         135.7%         73.2%         75.0%           Others         Sales CAGR (last 3 years)         6.3%         1.1%         -1.1%         -0.8%         700.8%           EBIT CAGR (last 3 years)         -194.4%         -160.2%         -198.9%         -201.5%         -312.7%	Net debt / Equity	224.5%	107.0%	125.1%	99.2%	75.3%
Working Capital (in m EUR)         139.7         154.0         184.0         181.5         179.0           Change in working capital (in m EUR)         -34.9         14.3         30.0         -2.5         179.0           WC /sales         27.0%         29.7%         37.4%         36.0%         34.9%           Stocks in days of sales         70         70         70         70         -7           Trade debitors in days of sales         55         55         55         55         -55         -7           Trade creditors in days of COGS/sales         23         23         23         23         23         -23         -23         -0	Interest cover	-2.0	-1.0	1.9	3.4	3.7
Change in working capital (in m EUR)       -34.9       14.3       30.0       -2.5       179.0         WC /sales       27.0%       29.7%       37.4%       36.0%       34.9%         Stocks in days of sales       70 <t< td=""><td>Net debt / EBITDA</td><td>7.87</td><td>4.37</td><td>3.61</td><td>2.39</td><td>1.86</td></t<>	Net debt / EBITDA	7.87	4.37	3.61	2.39	1.86
WC /sales         27.0%         29.7%         37.4%         36.0%         34.9%           Stocks in days of sales         70         70         70         70         -           Trade debitors in days of sales         55         55         55         55         55         -           Trade creditors in days of COGS/sales         23         23         23         23         23         -         -           Cash conversion cycle         102         102         102         102         102         0         -         0         -         -         0         -         -         -         0         -	Working Capital (in m EUR)	139.7	154.0	184.0	181.5	179.0
Stocks in days of sales         70         70         70         70         70         71         70	Change in working capital (in m EUR)	-34.9	14.3	30.0	-2.5	179.0
Trade debitors in days of sales         55         55         55         55           Trade creditors in days of COGS/sales         23         23         23         23         23         23         23         23         23         6         20         102 </td <td>WC /sales</td> <td>27.0%</td> <td>29.7%</td> <td>37.4%</td> <td>36.0%</td> <td>34.9%</td>	WC /sales	27.0%	29.7%	37.4%	36.0%	34.9%
Trade creditors in days of COGS/sales       23       20	Stocks in days of sales	70	70	70	70	-
Cash conversion cycle         102         102         102         102         0           Invest. (property/plant/equity) / Depreciation         40.9%         54.0%         135.7%         73.2%         75.0%           Others           Sales CAGR (last 3 years)         6.3%         1.1%         -1.1%         -0.8%         700.8%           EBIT CAGR (last 3 years)         -194.4%         -160.2%         -198.9%         -201.5%         -312.7%           Net income CAGR (last 3 years)         -227.8%         -199.4%         -143.0%         -154.9%         -253.1%	Trade debitors in days of sales	55	55	55	55	-
Invest. (property/plant/equity) / Depreciation         40.9%         54.0%         135.7%         73.2%         75.0%           Others           Sales CAGR (last 3 years)         6.3%         1.1%         -1.1%         -0.8%         700.8%           EBIT CAGR (last 3 years)         -194.4%         -160.2%         -198.9%         -201.5%         -312.7%           Net income CAGR (last 3 years)         -227.8%         -199.4%         -143.0%         -154.9%         -253.1%	Trade creditors in days of COGS/sales	23	23	23	23	-
Others           Sales CAGR (last 3 years)         6.3%         1.1%         -1.1%         -0.8%         700.8%           EBIT CAGR (last 3 years)         -194.4%         -160.2%         -198.9%         -201.5%         -312.7%           Net income CAGR (last 3 years)         -227.8%         -199.4%         -143.0%         -154.9%         -253.1%	Cash conversion cycle	102	102	102	102	0
Sales CAGR (last 3 years)       6.3%       1.1%       -1.1%       -0.8%       700.8%         EBIT CAGR (last 3 years)       -194.4%       -160.2%       -198.9%       -201.5%       -312.7%         Net income CAGR (last 3 years)       -227.8%       -199.4%       -143.0%       -154.9%       -253.1%	Invest. (property/plant/equity) / Depreciation	40.9%	54.0%	135.7%	73.2%	75.0%
EBIT CAGR (last 3 years)       -194.4%       -160.2%       -198.9%       -201.5%       -312.7%         Net income CAGR (last 3 years)       -227.8%       -199.4%       -143.0%       -154.9%       -253.1%						
Net income CAGR (last 3 years) -227.8% -199.4% -143.0% -154.9% -253.1%	Sales CAGR (last 3 years)	6.3%	1.1%	-1.1%	-0.8%	700.8%
	EBIT CAGR (last 3 years)	-194.4%	-160.2%	-198.9%	-201.5%	-312.7%
Pay-out ratio 0.0% 0.0% 0.0% 0.0% 0.0%	Net income CAGR (last 3 years)	-227.8%	-199.4%	-143.0%	-154.9%	-253.1%
	Pay-out ratio	0.0%	0.0%	0.0%	0.0%	0.0%
Free cash flow (in m EUR) -23.8 21.9 -20.1 16.2 17.4	Free cash flow (in m EUR)	-23.8	21.9	-20.1	16.2	17.4
Free cash flow yield -13.7% 12.7% -9.0% 7.2% 7.8%	Free cash flow yield	-13.7%	12.7%	-9.0%	7.2%	7.8%

# Disclaimer

The creation of this recommendation was finalised on 11/09/2019 02:21 PM (CEST) and first published on 12/09/2019 07:01 AM (CEST).

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Date of publication	Price at recommendation	Rating	Price target
21/12/2018	20.00 EUR	Hold	21.50 EUR

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Company Disclosure
Schaltbau Holding AG -

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