(Scale All Share, Industrial Goods & Services)



Dung		Value Indicators:	EUR	Share data:		Description:	
Buy		DCF:	20.56	Bloomberg:	IBU GR	Thermal treatment of inorgan	
00 00		FCF-Value Potential 19-20:	17.35	Reuters:	IBU.DE	materials (service provider),	Organo-
EUR 20.60	(EUR 21.30)	SotP 19-20:	13.74	ISIN: DEC	00A0XYHT5	metallics (producer)	
		Market Snapshot:	EUR m	Shareholders:		Risk Profile (WRe):	2018e
Dia		Market cap:	71.40	Freefloat	31.0 %	Beta:	1.5
Price	EUR 17.85	No. of shares (m):	4.00	Weitz family	39.7 %	Price / Book:	2.3 x
Upside	15.4 %	EV:	77.96	Management (incl. CEO We	eitz) 29.3 %	Equity Ratio:	59 %
		Freefloat MC:	22.13			Net Fin. Debt / EBITDA:	1.5 x
		Ø Trad. Vol. (30d):	20.49 th			Net Debt / EBITDA:	1.5 x

Preliminary results at the upper end of guidance

IBU-tec published preliminary figures for FY 2018 that were generally on par with our estimates. EBITDA, however, was significantly ahead of our expectations. Sales increased to EUR 46.7m (+178% yoy; WRe: EUR 47.0m) and EBITDA to EUR 6.9m (+61%, WRe: EUR 6.4m). This corresponds to an EBITDA margin of 14.8% (WRe: 13.6%; FY 2017: 25.7%). The company's FY 2018 guidance was for EBITDA of EUR 5.5–7.0m and a sales level of EUR 45–50m. The huge increase in sales reflects both the first-time consolidation of BNT Chemicals, acquired in 2018, as well as strong underlying organic growth in the "old" IBU-tec activities, which recorded a substantial sales increase of 12.5% to EUR 18.9m and a 9.3% EBITDA increase to EUR 4.7m. As expected, organic growth was mostly driven by activities related to battery materials and chemical catalysts. In contrast, sales of materials to be employed in mobile catalysts eroded further, mainly driven by soft demand for diesel-powered passenger cars. However, sales of mobile catalyst materials seem to have stabilised at a lower level by the end of 2018, which is also true for the first months of 2019.

The new site for the heat treatment of solid materials in Bitterfeld-Wolfen (Germany) is currently ramping up while the integration of processes with acquired BNT Chemicals, which is located in close vicinity to this new site, is well underway. Management plans to increase cost synergies throughout 2019 and beyond and to secure additional new contracts with customers as a consequence of the broader service portfolio (enhanced liquid handling abilities of the combined enterprises).

Management is guiding for an increase in FY 2019 sales to EUR 50–53m (+7-14%). EBITDA is expected to reach a level of EUR 7.2–7.5m (+5-9%). Growth should be mostly driven by contracts in connection with battery materials, which are expected to grow by about 50% yoy. Growth is also expected from chemical catalysts as well as from a broader product portfolio overall, arising from the ongoing integration of BNT Chemicals. The lower than originally anticipated profitability (WRe old: EBITDA FY 2019: EUR 8.7m) reflects higher personnel costs for additional positions in R&D and in the newly created sales organisation of BNT Chemicals, which were filled ahead of schedule.

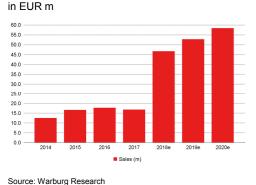
Our investment thesis, that IBU-tec is an attractive play in the fast-growing battery materials market, is fully intact. The guidance seems conservative, especially in light of CEO Weitz's statement that IBU-tec is currently in talks with customers in regard to additional contracts for the group. We reiterate our Buy recommendation but slightly cut our PT to EUR 20.60 (based on a DCF calculation).

Changes in E	stimates:						Comment on Changes:
FY End: 31.12. in EUR m	2018e (old)	+ / -	2019e (old)	+ / -	2020e (old)	+ / -	 Changes in estimates mostly reflect preliminary FY 2018 results as well as higher than anticipated integration and personnel costs. These were
Sales	47.00	-0.6 %	53.58	-1.5 %	58.40	0.0 %	mainly triggered by new positions in R&D and in the newly created sales
EBIT	2.03	23.9 %	3.49	-32.0 %	4.85	-11.8 %	organisation, which were filled ahead of schedule.
EPS	0.31	27.6 %	0.57	-36.8 %	0.83	-12.7 %	
DPS	0.15	0.0 %	0.18	0.0 %	0.20	0.0 %	
Net Debt	10.52	-3.4 %	6.04	8.6 %	2.15	50.7 %	

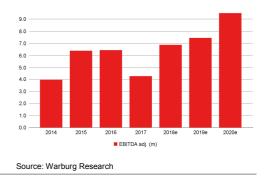
19 -	FY End: 31.12. in EUR m	CAGR (17-20e)	2014	2015	2016	2017	2018e	2019e	2020e
18 1 1	Sales	51.5 %	12.54	16.65	17.74	16.81	46.70	52.77	58.41
A day hat (Y Y	Change Sales yoy		n.a.	32.8 %	6.6 %	-5.3 %	177.8 %	13.0 %	10.7 %
17 the part of the second of t	Gross profit margin	n	92.2 %	92.9 %	92.5 %	90.9 %	51.9 %	48.5 %	49.1 %
16 the to way have a	/ 🎙 🔰 EBITDA	52.8 %	3.96	6.40	6.20	2.66	6.88	7.45	9.50
15 -	Margin		31.6 %	38.4 %	35.0 %	15.9 %	14.7 %	14.1 %	16.3 %
	EBIT	129.0 %	2.61	4.64	4.14	0.36	2.51	2.38	4.28
14 -	Margin		20.8 %	27.9 %	23.3 %	2.1 %	5.4 %	4.5 %	7.3 %
13 -	Net income	157.7 %	1.81	3.14	2.83	0.17	1.57	1.44	2.91
05/18 07/18 09/18 11/18 01/19	03/19 EPS	157.7 %	0.60	1.05	0.94	0.04	0.39	0.36	0.73
	EPS adj.	17.3 %	0.60	1.05	1.02	0.45	0.39	0.36	0.73
	DPS	15.4 %	0.00	0.00	0.00	0.13	0.15	0.18	0.20
Rel. Performance vs Scale All	Dividend Yield		n.a.	n.a.	n.a.	0.7 %	0.8 %	1.0 %	1.1 %
1 month:	1.9 % FCFPS		-0.10	0.70	-0.31	-0.34	-2.43	0.99	1.14
	FOF / Market Cap		n.a.	n.a.	n.a.	-2.0 %	-4.8 %	5.6 %	6.4 %
	8.4 % EV / Sales		n.a.	n.a.	n.a.	3.4 x	1.7 x	1.5 x	1.3 x
Year to date: 1	3.3 % EV / EBITDA		n.a.	n.a.	n.a.	21.7 x	11.9 x	10.5 x	7.9 x
Trailing 12 months: 1	19.0 % EV / EBIT		n.a.	n.a.	n.a.	162.2 x	32.5 x	32.8 x	17.5 x
	P/E		n.a.	n.a.	n.a.	413.6 x	45.5 x	49.7 x	24.5 x
Company events:	P / E adj.		n.a.	n.a.	n.a.	39.0 x	45.5 x	49.7 x	24.5 x
	FCF Potential Yiel	d	n.a.	n.a.	n.a.	1.8 %	5.4 %	6.7 %	8.7 %
	Net Debt		2.18	0.37	1.95	-12.69	10.16	6.56	3.24
	ROCE (NOPAT)		32.9 %	27.5 %	20.6 %	1.2 %	6.0 %	4.5 %	8.7 %
	Guidance:	FY 2018: EBI	TDA EUR 7.2	2-7.5m, sales	: EUR 50-53	m			



Sales development



EBITDA (adjusted) development in EUR m

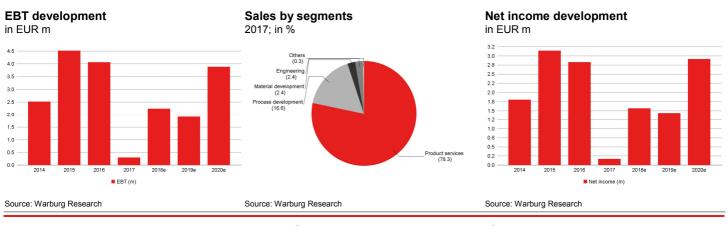


Company Background

- IBU-tec, which is based in Weimar, Germany, was founded in 1885 as a manufacturer of decorative stone from travertine and cast stone from quicklime.
- In 1975 the Weimar SKET institute took over the site and began using it as a pilot plant. This led to the installation of the first rotary kiln. Analysis, trials and measurements became core competences.
- Following German reunification, the institute was privatized in 1993. Catalyst research started in 2001 when Ulrich Weitz became CEO. The company went public in 2017.
- In 2018, IBU-tec announced the acquisition of organometallic compounds producer BNT Chemicals (Bitterfeld, Germany) and acquired a site to build a new production facility in Bitterfeld.
- In H1 2018, IBU-tec employed about 150 people. The company operated 16 rotary kilns, 8 pulsation reactors as well as equipment for pre- and post-treatment of solid materials

Competitive Quality

- The company provides R&D capabilities, services and toll manufacturing for the thermal processing of inorganic solid materials
- Following the acquisition of BNT Chemicals, the company is set to expand into upstream activities of solid material handling, e.g. the preparation of the repective solid materials which includes the handling of liquids
- It is a service provider for a very wide range of customer industries which includes battery material providers, manufacturers of mobile catalysts, implant producers and others
- As a supplier of services and production capacities, the company mostly competes with customers' own R&D and their respective production facilities





Sensitivity Value per Sl	nare (EUR)												
WACC	7.91 %		Beta			1.50	Equity	Value		8	2	Value per	r share (E	UR) 20.56
							Liquidit	у			4	No. of sha	. ,	4.0
	1.00 /0		Others			1.00		val. of invo	estments		0			
Risk free rate	7.00 % 1.50 %		Transparer	ncv		2.00	,	v interest			0			
Cost of debt (after tax) Market return	3.6 % 7.00 %		Liquidity (s Cyclicality	nare)		2.00 1.00	Pensio				0			
Debt ratio	30.00 % 3.6 %		Financial S	0		1.50		al liabilitie: n liabilities		1	5 0			
Derivation of WACC:	00.00.00		Derivation			4.50	Termin	t values 20 al Value		5	6 7			
Model parameter							Valuat	ion (m)						
Share of FVS		-5.11 /0						45.50	0 /0					01.50 /8
share of PVs	-11.02	-5.11 %	3.10	3.53	3.70	4.02	4.20	4.39		4.14	4.00	4.00	3.86	61.58 %
Model) PV of FCF	-11.02	3.45 3.19	3.61 3.10	4.43 3.53	5.12 3.78	5.88 4.02	6.72 4.26	7.48 4.39	7.69 4.19	8.21 4.14	8.73 4.08	9.23 4.00	9.61	10 57
Other Free Cash Flow (WACC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
,														
- Capex Capex in % of Sales	8.85 19.0 %	3.50 6.6 %	4.00 6.8 %	4.12 6.5 %	4.10 6.0 %	4.05 5.5 %	3.97 5.0 %	4.27 5.0 %	4.58 5.0 %	4.88 5.0 %	5.19 5.0 %	5.48 5.0 %	5.77 5.0 %	
Change in Liquidity from - Working Capital	8.30	-0.09	0.82	0.82	0.87	0.94	1.00	1.07	1.07	1.05	1.03	0.99	0.94	
Changes in provisions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
in % of Sales	9.4 %	9.6 %	8.9 %	8.9 %	8.7 %	8.4 %	8.1 %	7.8 %	7.5 %	7.2 %	6.9 %	6.6 %	6.0 %	
Depreciation	4.37	5.08	5.22	5.62	5.92	6.16	6.39	6.63	6.84	7.00	7.13	7.21	6.85	
NOPAT	1.76	1.78	3.21	3.74	4.18	4.71	5.30	6.19	6.50	7.15	7.81	8.49	9.46	
Tax rate (EBT)	30.0 %	25.0 %	25.0 %	28.0 %	28.0 %	28.0 %	28.0 %	28.0 %	28.0 %	28.0 %	28.0 %	28.0 %	28.0 %	
EBIT-margin	5.4 %	4.5 %	7.3 %	8.3 %	8.6 %	9.0 %	9.4 %	10.2 %	10.0 %	10.3 %	10.6 %	10.9 %	11.5 %	
Sales change EBIT	177.8 % 2.51	13.0 % 2.38	10.7 % 4.28	7.7 % 5.20	7.7 % 5.80	7.7 % 6.54	7.7 % 7.36	7.7 % 8.60	7.2 % 9.03	6.7 % 9.93	6.2 % 10.85	5.7 % 11.79	5.2 % 13.13	1.0 %
Sales	46.70	52.77	58.41	62.90	67.74	72.95	78.56	84.60	90.68	96.75	102.74	108.58	114.22	
Figures in EUR m	2018e	2019e	2020e	2021e	2022e	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	
	Detaile	d forecas	t period				٦	ransition	al period					Term. Value
DCF model														
DCE model														

		Terminal (Growth								Delta EBIT	-margin					
Beta	WACC	0.25 %	0.50 %	0.75 %	1.00 %	1.25 %	1.50 %	1.75 %	Beta	WACC	-0.8 pp	-0.5 pp	-0.3 pp	+0.0 pp	+0.3 pp	+0.5 pp	+0.8 pp
1.76	8.9 %	15.80	16.10	16.42	16.76	17.13	17.52	17.93	1.76	8.9 %	15.24	15.75	16.26	16.76	17.27	17.78	18.29
1.63	8.4 %	17.38	17.74	18.12	18.53	18.97	19.44	19.94	1.63	8.4 %	16.90	17.44	17.99	18.53	19.08	19.62	20.17
1.56	8.2 %	18.24	18.64	19.06	19.51	19.99	20.51	21.07	1.56	8.2 %	17.81	18.38	18.94	19.51	20.08	20.64	21.21
1.50	7.9 %	19.17	19.60	20.06	20.56	21.10	21.67	22.30	1.50	7.9 %	18.80	19.39	19.97	20.56	21.15	21.74	22.33
1.44	7.7 %	20.16	20.64	21.15	21.70	22.29	22.93	23.62	1.44	7.7 %	19.86	20.47	21.08	21.70	22.31	22.92	23.53
1.37	7.4 %	21.22	21.75	22.31	22.92	23.58	24.30	25.07	1.37	7.4 %	21.01	21.64	22.28	22.92	23.56	24.20	24.84
1.24	6.9 %	23.60	24.24	24.94	25.70	26.52	27.42	28.40	1.24	6.9 %	23.60	24.30	25.00	25.70	26.39	27.09	27.79

• The company's beta value reflects limited liquidity (strategic investors hold 69% of the shares)



Free Cash Flow Value Potential

Warburg Research's valuation tool "FCF Value Potential" reflects the ability of the company to generate sustainable free cash flows. It is based on the "FCF potential" - a FCF "ex growth" figure - which assumes unchanged working capital and pure maintenance capex. A value indication is derived via the perpetuity of a given year's "FCF potential" with consideration of the weighted costs of capital. The fluctuating value indications over time add a timing element to the DCF model (our preferred valuation tool).

in EUR m	2014	2015	2016	2017	2018e	2019e	2020e
Net Income before minorities	1.81	3.14	2.83	0.17	1.57	1.44	2.91
+ Depreciation + Amortisation	1.35	1.76	2.07	2.31	4.37	5.08	5.22
- Net Interest Income	-0.09	-0.12	-0.07	-0.06	-0.27	-0.46	-0.39
 Maintenance Capex 	0.98	1.14	1.18	1.52	1.77	1.75	2.00
+ Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
= Free Cash Flow Potential	2.26	3.88	3.79	1.01	4.44	5.22	6.53
FCF Potential Yield (on market EV)	n/a	n/a	n/a	1.8 %	5.4 %	6.7 %	8.7 %
WACC	7.91 %	7.91 %	7.91 %	7.91 %	7.91 %	7.91 %	7.91 %
= Enterprise Value (EV)	n.a.	n.a.	n.a.	57.73	81.56	77.96	74.64
= Fair Enterprise Value	28.56	49.03	47.89	12.81	56.14	66.08	82.55
- Net Debt (Cash)	-12.69	-12.69	-12.69	-12.69	10.16	6.56	3.24
- Pension Liabilities	0.00	0.00	0.00	0.00	0.00	0.00	0.00
- Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
 Market value of minorities 	0.00	0.00	0.00	0.00	0.00	0.00	0.00
 Market value of investments 	0.00	0.00	0.00	0.00	0.00	0.00	0.00
= Fair Market Capitalisation	41.25	61.71	60.58	25.50	45.98	59.53	79.31
Number of shares, average	3.00	3.00	3.00	4.00	4.00	4.00	4.00
= Fair value per share (EUR)	13.75	20.57	20.19	6.38	11.50	14.88	19.83
premium (-) / discount (+) in %					-35.6 %	-16.6 %	11.1 %
Sensitivity Fair value per Share (EUR))						
10.91	8.35	12.06	11.85	5.49	7.64	10.34	14.15
9.91	8.87	12.95	12.73	5.73	8.66	11.55	15.66
8.91	9.51	14.05	13.80	6.02	9.92	13.03	17.51
WACC 7.91	10.31	15.43	15.14	6.38	11.50	14.88	19.83
6.91	11.35	17.20	16.88	6.84	13.53	17.27	22.82
5.91	12.73	19.58	19.20	7.46	16.25	20.48	26.82
4.91	14.68	22.93	22.47	8.33	20.08	24.99	32.45

- Historical volatility of the value indication is due to cyclical operative development, portfolio changes.



Peer Group										
Company	Price	EV / Sales	EV / EBITDA		EV / EBIT		P/E		EPS CAGR	
Prices in local currency		18e	18e	19e	18e	19e	18e	19e	(17-20e)	
Average		-	-	-	-	-	-	-	-	
Median		-	-	-	-	-	-	-	-	
IBU-tec	17.85	1.7	11.9	10.5	32.5	32.8	45.5	49.7	157.7 %	
Delta to median		-	-	-	-	-	-	-	-	

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Valuation							
	2014	2015	2016	2017	2018e	2019e	2020e
Price / Book	n.a.	n.a.	n.a.	2.3 x	2.3 x	2.3 x	2.2 x
Book value per share ex intangibles	2.98	3.79	4.50	7.42	6.95	7.03	7.23
EV / Sales	n.a.	n.a.	n.a.	3.4 x	1.7 x	1.5 x	1.3 x
EV / EBITDA	n.a.	n.a.	n.a.	21.7 x	11.9 x	10.5 x	7.9 x
EV / EBIT	n.a.	n.a.	n.a.	162.2 x	32.5 x	32.8 x	17.5 x
EV / EBIT adj.*	n.a.	n.a.	n.a.	29.0 x	32.5 x	32.8 x	17.5 x
P / FCF	n.a.	n.a.	n.a.	n.a.	n.a.	18.0 x	15.6 x
P/E	n.a.	n.a.	n.a.	413.6 x	45.5 x	49.7 x	24.5 x
P / E adj.*	n.a.	n.a.	n.a.	39.0 x	45.5 x	49.7 x	24.5 x
Dividend Yield	n.a.	n.a.	n.a.	0.7 %	0.8 %	1.0 %	1.1 %
FCF Potential Yield (on market EV)	n.a.	n.a.	n.a.	1.8 %	5.4 %	6.7 %	8.7 %
*Adjustments made for: Restructuring costs, value adjust	ments, one-off earnings/los	sses					

Consolidated profit & loss



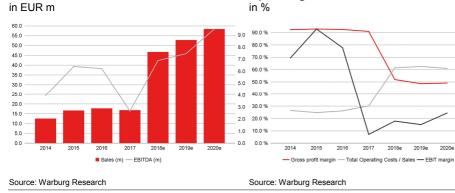
In EUR m	2014	2015	2016	2017	2018e	2019e	2020e
Sales	12.54	16.65	17.74	16.81	46.70	52.77	58.41
Change Sales yoy	n.a.	32.8 %	6.6 %	-5.3 %	177.8 %	13.0 %	10.7 %
Increase / decrease in inventory	0.01	0.14	0.14	0.26	0.27	0.15	0.15
Own work capitalised	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Sales	12.55	16.80	17.88	17.07	46.97	52.92	58.56
Material expenses	0.98	1.33	1.47	1.78	22.75	27.33	29.89
Gross profit	11.56	15.47	16.41	15.29	24.22	25.59	28.67
Gross profit margin	92.2 %	92.9 %	92.5 %	90.9 %	51.9 %	48.5 %	49.1 %
Personnel expenses	5.74	6.81	7.63	8.31	12.07	13.20	14.20
Other operating income	0.47	0.53	0.85	0.62	0.70	0.69	0.76
Other operating expenses	2.34	2.79	3.19	3.30	5.97	5.63	5.73
Unfrequent items	0.00	0.00	-0.24	-1.64	0.00	0.00	0.00
EBITDA	3.96	6.40	6.20	2.66	6.88	7.45	9.50
Margin	31.6 %	38.4 %	35.0 %	15.9 %	14.7 %	14.1 %	16.3 %
Depreciation of fixed assets	1.35	1.76	2.07	2.31	4.37	5.08	5.22
EBITA	2.61	4.64	4.14	0.36	2.51	2.38	4.28
Amortisation of intangible assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Goodwill amortisation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EBIT	2.61	4.64	4.14	0.36	2.51	2.38	4.28
Margin	20.8 %	27.9 %	23.3 %	2.1 %	5.4 %	4.5 %	7.3 %
EBIT adj.	2.61	4.64	4.38	1.99	2.51	2.38	4.28
Interest income	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest expenses	0.09	0.12	0.07	0.06	0.27	0.46	0.39
Other financial income (loss)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EBT	2.52	4.52	4.06	0.30	2.24	1.92	3.89
Margin	20.1 %	27.1 %	22.9 %	1.8 %	4.8 %	3.6 %	6.7 %
Total taxes	0.72	1.38	1.23	0.13	0.67	0.48	0.97
Net income from continuing operations	1.81	3.14	2.83	0.17	1.57	1.44	2.91
Income from discontinued operations (net of tax)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net income before minorities	1.81	3.14	2.83	0.17	1.57	1.44	2.91
Minority interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net income	1.81	3.14	2.83	0.17	1.57	1.44	2.91
Margin	14.4 %	18.9 %	16.0 %	1.0 %	3.4 %	2.7 %	5.0 %
Number of shares, average	3.00	3.00	3.00	4.00	4.00	4.00	4.00
EPS	0.60	1.05	0.94	0.04	0.39	0.36	0.73
EPS adj.	0.60	1.05	1.02	0.45	0.39	0.36	0.73
*Adjustments made for: Restructuring costs, value adjustm	ents, one-off ear	ninas/losses					

Guidance: FY 2018: EBITDA EUR 7.2-7.5m, sales: EUR 50-53m

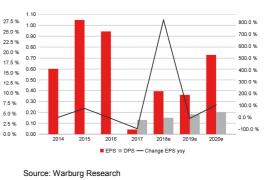
Financial Ratios

	2014	2015	2016	2017	2018e	2019e	2020e
Total Operating Costs / Sales	26.5 %	24.8 %	26.2 %	30.2 %	61.5 %	62.5 %	61.0 %
Operating Leverage	n.a.	2.4 x	-1.6 x	17.3 x	3.4 x	-0.4 x	7.5 x
EBITDA / Interest expenses	43.0 x	52.9 x	84.0 x	47.3 x	25.3 x	16.1 x	24.2 x
Tax rate (EBT)	28.4 %	30.4 %	30.4 %	43.3 %	30.0 %	25.0 %	25.0 %
Dividend Payout Ratio	0.0 %	0.0 %	0.0 %	305.5 %	38.2 %	50.1 %	27.4 %
Sales per Employee	n.a.	n.a.	113,744	n.a.	23,350,000	n.a.	n.a.

Sales, EBITDA in EUR m



Performance per Share



Operating Performance

Published 11.03.2019

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COMMENT

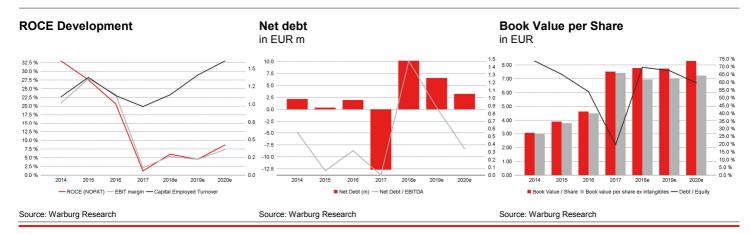
Consolidated balance .



Consolidated balance sheet							
In EUR m	2014	2015	2016	2017	2018e	2019e	2020e
Assets							
Goodwill and other intangible assets	0.23	0.34	0.39	0.38	3.31	2.81	4.23
thereof other intangible assets	0.23	0.34	0.39	0.38	0.24	0.05	1.74
thereof Goodwill	0.00	0.00	0.00	0.00	3.07	2.76	2.49
Property, plant and equipment	13.29	13.83	16.41	16.23	30.95	28.90	25.68
Financial assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other long-term assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fixed assets	13.52	14.17	16.81	16.61	34.26	31.71	29.91
Inventories	0.01	0.00	0.00	0.32	8.79	8.95	9.59
Accounts receivable	1.21	1.96	2.14	2.61	4.34	4.40	4.88
Liquid assets	1.09	2.98	2.10	15.72	4.47	5.84	7.54
Other short-term assets	0.10	0.27	0.37	0.66	0.85	0.92	0.99
Current assets	2.41	5.21	4.61	19.31	18.45	20.12	23.00
Total Assets	15.93	19.38	21.42	35.92	52.71	51.83	52.91
Liabilities and shareholders' equity							
Subscribed capital	3.00	3.00	3.00	4.00	4.00	4.00	4.00
Capital reserve	0.74	1.05	1.31	3.13	3.25	3.23	3.50
Retained earnings	4.51	6.36	7.96	19.02	19.79	19.67	21.27
Other equity components	0.93	1.31	1.63	3.91	4.07	4.04	4.37
Shareholders' equity	9.18	11.72	13.90	30.06	31.11	30.95	33.14
Minority interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total equity	9.18	11.72	13.90	30.06	31.11	30.95	33.14
Provisions	2.68	2.60	2.66	2.10	2.30	3.30	3.33
thereof provisions for pensions and similar obligations	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Financial liabilities (total)	3.26	3.35	4.06	3.03	14.63	12.40	10.78
thereof short-term financial liabilities	0.75	0.74	0.95	0.78	1.70	1.85	1.98
Accounts payable	0.59	1.05	0.40	0.51	2.42	2.74	3.03
Other liabilities	0.23	0.62	0.38	0.21	2.26	2.45	2.63
Liabilities	6.75	7.62	7.49	5.86	21.61	20.88	19.77
Total liabilities and shareholders' equity	15.93	19.34	21.39	35.92	52.71	51.83	52.91

Financial Ratios

	2014	2015	2016	2017	2018e	2019e	2020e
Efficiency of Capital Employment							
Operating Assets Turnover	0.9 x	1.1 x	1.0 x	0.9 x	1.1 x	1.3 x	1.6 x
Capital Employed Turnover	1.1 x	1.4 x	1.1 x	1.0 x	1.1 x	1.4 x	1.6 x
ROA	13.4 %	22.2 %	16.8 %	1.0 %	4.6 %	4.5 %	9.7 %
Return on Capital							
ROCE (NOPAT)	32.9 %	27.5 %	20.6 %	1.2 %	6.0 %	4.5 %	8.7 %
ROE	39.3 %	30.1 %	22.1 %	0.8 %	5.1 %	4.6 %	9.1 %
Adj. ROE	39.3 %	30.1 %	24.0 %	8.2 %	5.1 %	4.6 %	9.1 %
Balance sheet quality							
Net Debt	2.18	0.37	1.95	-12.69	10.16	6.56	3.24
Net Financial Debt	2.18	0.37	1.95	-12.69	10.16	6.56	3.24
Net Gearing	23.7 %	3.2 %	14.1 %	-42.2 %	32.6 %	21.2 %	9.8 %
Net Fin. Debt / EBITDA	55.0 %	5.8 %	31.5 %	n.a.	147.6 %	88.0 %	34.1 %
Book Value / Share	3.1	3.9	4.6	7.5	7.8	7.7	8.3
Book value per share ex intangibles	3.0	3.8	4.5	7.4	6.9	7.0	7.2



Consolidated cash flow statement

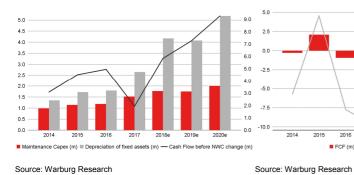


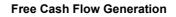
In EUR m	2014	2015	2016	2017	2018e	2019e	2020e
Net income	1.81	3.14	2.83	0.17	1.57	1.44	2.91
Depreciation of fixed assets	1.35	1.72	1.79	2.65	4.17	4.08	5.19
Amortisation of goodwill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amortisation of intangible assets	0.00	0.04	0.27	-0.34	0.20	1.00	0.04
Increase/decrease in long-term provisions	0.15	0.04	0.27	-0.34	0.20	1.00	0.04
Other non-cash income and expenses	-0.21	-0.42	-0.22	-0.20	-0.30	-0.25	1.10
Cash Flow before NWC change	3.09	4.51	4.95	1.94	5.83	7.26	9.27
Increase / decrease in inventory	0.00	0.00	0.00	0.00	-8.47	-0.16	-0.64
Increase / decrease in accounts receivable	0.51	-0.91	-0.28	-1.08	-1.92	-0.14	-0.54
Increase / decrease in accounts payable	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Increase / decrease in other working capital positions	0.02	0.73	-0.90	-0.09	9.96	0.51	0.47
Increase / decrease in working capital (total)	0.53	-0.17	-1.18	-1.16	-0.44	0.21	-0.71
Net cash provided by operating activities [1]	3.62	4.34	3.77	0.78	5.40	7.47	8.56
Investments in intangible assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Investments in property, plant and equipment	-3.94	-2.29	-4.74	-2.17	-8.85	-3.50	-4.00
Payments for acquisitions	0.00	0.00	0.00	0.00	-6.27	0.00	0.00
Financial investments	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Income from asset disposals	0.03	0.04	0.03	0.05	0.00	0.00	0.00
Net cash provided by investing activities [2]	-3.90	-2.25	-4.71	-2.13	-15.12	-3.50	-4.00
Change in financial liabilities	-0.37	0.24	0.71	-1.02	-0.94	-2.23	-1.62
Dividends paid	-0.10	-0.60	-0.65	-0.51	-0.52	-0.60	-0.72
Purchase of own shares	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Capital measures	0.00	0.00	0.00	16.50	0.00	0.00	0.00
Other	0.58	0.16	0.00	0.00	0.00	0.00	0.00
Net cash provided by financing activities [3]	0.10	-0.20	0.06	14.97	-1.46	-2.83	-2.34
Change in liquid funds [1]+[2]+[3]	-0.18	1.89	-0.88	13.62	-11.19	1.14	2.23
Effects of exchange-rate changes on cash	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cash and cash equivalent at end of period	1.09	2.98	2.10	15.72	4.47	5.84	7.54

Financial Ratios

	0011	0045	0040	0047	0040-	0040-	0000-
	2014	2015	2016	2017	2018e	2019e	2020e
Cash Flow							
FCF	-0.29	2.09	-0.93	-1.35	-9.73	3.97	4.56
Free Cash Flow / Sales	-2.5 %	12.3 %	-5.4 %	-8.3 %	-7.4 %	7.5 %	7.8 %
Free Cash Flow Potential	2.26	3.88	3.79	1.01	4.44	5.22	6.53
Free Cash Flow / Net Profit	-17.6 %	65.3 %	-34.1 %	-819.2 %	-220.1 %	276.5 %	156.6 %
Interest Received / Avg. Cash	0.4 %	0.0 %	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %
Interest Paid / Avg. Debt	5.6 %	3.7 %	2.0 %	1.6 %	3.1 %	3.4 %	3.4 %
Management of Funds							
Investment ratio	31.4 %	13.7 %	26.7 %	12.9 %	19.0 %	6.6 %	6.8 %
Maint. Capex / Sales	7.8 %	6.9 %	6.7 %	9.0 %	3.8 %	3.3 %	3.4 %
Capex / Dep	292.2 %	130.2 %	229.2 %	94.1 %	202.6 %	69.0 %	76.6 %
Avg. Working Capital / Sales	2.5 %	4.6 %	7.5 %	12.4 %	14.0 %	20.2 %	18.9 %
Trade Debtors / Trade Creditors	206.1 %	187.1 %	538.6 %	508.9 %	179.2 %	160.9 %	160.9 %
Inventory Turnover	89.5 x	1330.0 x	1490.0 x	5.6 x	2.6 x	3.1 x	3.1 x
Receivables collection period (days)	35	43	44	57	34	30	30
Payables payment period (days)	218	287	99	105	39	37	37
Cash conversion cycle (Days)	-178	-244	-54	16	136	113	111

CAPEX and Cash Flow in EUR m



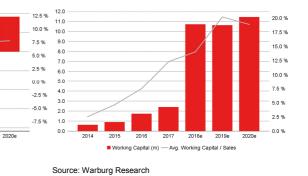


2015

2016

2014

Working Capital



COMMENT

Published 11.03.2019

2017 2018e 2019e

FCF (m) - Free Cash Flow / Sales

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Company	Disclosure	Link to the historical price targets and rating changes (last 12 months)
IBU-tec	5	http://www.mmwarburg.com/disclaimer/disclaimer_en/DE000A0XYHT5.htm



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Investment recommendation: expected direction of the share price development of the financial instrument up to the given <u>price target</u> in the opinion of the analyst who covers this financial instrument.

-B-	Buy:	The price of the analysed financial instrument is expected to rise over the next 12 months.
-H-	Hold:	The price of the analysed financial instrument is expected to remain mostly flat over the next 12 months.
-S-	Sell:	The price of the analysed financial instrument is expected to fall over the next 12 months.
"_"	Rating suspended:	The available information currently does not permit an evaluation of the company.

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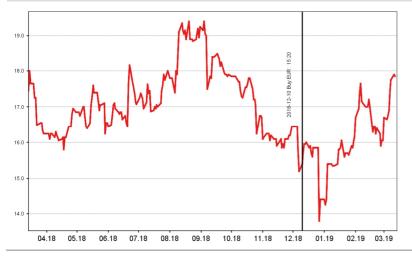
Rating	Number of stocks	% of Universe
Buy	131	66
Hold	55	28
Sell	6	3
Rating suspended	8	4
Total	200	100

WARBURG RESEARCH GMBH – ANALYSED RESEARCH UNIVERSE BY RATING ...

... taking into account only those companies which were provided with major investment services in the last twelve months.

Rating	Number of stocks	% of Universe
Buy	29	74
Hold	8	21
Sell	0	0
Rating suspended	2	5
Total	39	100

PRICE AND RATING HISTORY IBU-TEC AS OF 13.03.2019



Markings in the chart show rating changes by Warburg Research GmbH in the last 12 months. Every marking details the date and closing price on the day of the rating change.



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