(MDAX, Telecom/Internet)



continued on next page

Pun/		Value Indicators:	EUR	Share data:		Description:	
Buy		DCF:	47.56	Bloomberg:	DRI GR	Drillisch distributes fixed-lin	
47 00		FCF-Value Potential 21e:	44.70	Reuters:	DRIG	mobile services to resident	al
EUR 47.60	(EUR 47.90)			ISIN:	DE0005545503	customers in Germany	
		Market Snapshot:	EUR m	Shareholders:		Risk Profile (WRe):	2019e
Duite e		Market cap:	4,193	Freefloat	24.9 %	Beta:	1.1
Price	EUR 23.72	No. of shares (m):	177	United Internet	75.1 %	Price / Book:	0.9 x
Upside	100.7 %	EV:	4,038			Equity Ratio:	75 %
		Freefloat MC:	1,044				
		Ø Trad. Vol. (30d):	14.89 m				

Loss of first price review triggers excessive sell-off; Buy reiterated

Following the unexpected unfavourable outcome for 1&1 Drillisch of the first price review (reference date September 2017) in the context of the mobile wholesale access terms in its remedy contract with Telefónica Deutschland (O2D), the company reduced its EBITDA guidance for FY 2019 by EUR 85m Some further headwind arose from O2D's open claim concerning spectrum payments from the 2015 frequency auction (WRe: potential neg. impact of at least EUR 60m), which will also be resolved in FY 2020.

In the aftermath of this announcement, DRI's share price declined by 25% / EUR 8 per DRI share. Based on fundamentals, this sell-off is overblown. As outlined in our recent publication "*Network endeavour creates time arbitrage opportunity*", a maximum discount of EUR 6 per DRI share would be justified in a worst-case scenario, which assumes unfavourable outcomes for DRI of all price reviews to come until the company fully internalises mobile wholesale costs. After examining the mechanics of the price review, we now attribute a greater likelihood to a more favourable outcome for DRI in price review three and four based on the following observations:

- Market environment: Germany's networks authority, Bundesnetzagentur, reported a 44% increase in mobile data traffic in FY 2018. However, competition remained challenging in the lower-end mobile market implying lower costs per unit for the incumbents.
- Expiry of bilateral discounts: DRI's bilateral discount granted by O2D expired at the end of FY 2018 and was not renewed despite lower market prices.
- O2D's improved cost structure: By FY 2018, O2D had realised capex, opex, and revenue synergies of EUR 820m (cumulated) in the context of the continued E-Plus network integration process. Furthermore, the increase in O2D's mobile postpaid customer base and the declining trend in its cost of goods sold (adjusted for mobile handset sales) should, in our view, emphasise the operating leverage generated, which should, at least partially, be passed on to O2D's wholesale partners.

We consequently adjusted our FY 2019 EBITDA estimates to account for temporarily higher mobile wholesale costs of EUR 85m and derive a slightly lower PT of EUR 47.60. Buy is reiterated as the current high level of uncertainty should gradually ease in FY 2020 revealing an attractive investment opportunity.

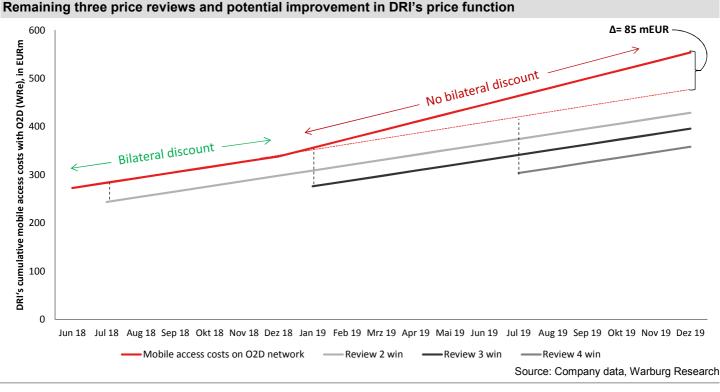
Changes in Es	timates:						Comment on Changes:
FY End: 31.12. in EUR m	2019e (old)	+ / -	2020e (old)	+ / -	2021e (old)	+ / -	 Top-line estimates remain unchanged EBITDA forecasts adjusted for the assumption of temporarily
Sales	3,708	0.0 %	3,738	0.0 %	3,830	0.0 %	unfavourable wholesale costs, which should reverse in FY 2020
EBITDA	787	-11.7 %	838	-0.4 %	818	-0.5 %	
EBIT	594	-15.6 %	639	-0.6 %	607	-0.6 %	
EPS	2.26	-15.5 %	2.44	-0.8 %	2.31	-0.9 %	

47.5 45 - Mb A		FY End: 31.12. in EUR m	CAGR (18-21e)	2015	2016	2017	2018	2019e	2020e	2021e
42.5	1 man	Sales	1.5 %	630	710	2,812	3,662	3,708	3,738	3,830
40	NYN, MA	Change Sales yoy		117.3 %	12.8 %	296.1 %	30.2 %	1.3 %	0.8 %	2.5 %
37.5 - 12		Service Revenues	2.5 %	n.a.	n.a.	2,662	2,882	2,975	3,035	3,106
35 - 4 4		EBITDA	4.1 %	105	120	504	722	695	834	814
32.5	A (1)	Margin		16.7 %	16.9 %	17.9 %	19.7 %	18.7 %	22.3 %	21.3 %
30 -		EBIT	2.1 %	69	59	440	567	502	636	603
27.5 - 25 -	M.	Margin		11.0 %	8.3 %	15.6 %	15.5 %	13.5 %	17.0 %	15.7 %
25 - 22.5 -	pro h	Net income	-0.1 %	46	26	465	406	337	428	405
11/18 01/19 03/19 05/19 07/19	09/19	EPS	-0.1 %	0.84	0.48	2.63	2.30	1.91	2.42	2.29
		EPS adj.	-0.1 %	0.84	0.48	2.63	2.30	1.91	2.42	2.29
	50)	DPS	171.4 %	1.70	1.70	1.60	0.05	0.80	1.90	1.00
Rel. Performance vs MDAX		Dividend Yield		4.2 %	4.5 %	3.0 %	0.1 %	3.4 %	8.0 %	4.2 %
1 month:	-18.9 %	FCFPS		-1.58	1.36	1.58	0.79	1.15	2.72	1.45
		FCF / Market cap		-4.0 %	3.2 %	2.8 %	1.2 %	4.9 %	11.5 %	6.1 %
6 months:	-28.0 %	EV / Sales		3.6 x	3.1 x	3.4 x	2.5 x	1.1 x	1.0 x	1.0 x
Year to date:	-66.0 %	EV / EBITDA		21.3 x	18.1 x	19.1 x	12.8 x	5.8 x	4.6 x	4.8 x
Trailing 12 months:	-46.5 %	EV / EBIT		32.4 x	37.0 x	21.9 x	16.3 x	8.0 x	6.0 x	6.5 x
5		P/E		47.7 x	79.3 x	20.4 x	23.0 x	12.4 x	9.8 x	10.4 x
Company events:		P / E adj.		47.7 x	79.3 x	20.4 x	23.0 x	12.4 x	9.8 x	10.4 x
12.11.19	Q3	FCF Potential Yield		3.3 %	3.5 %	5.6 %	5.7 %	12.3 %	15.5 %	14.9 %
		Net Debt		45	86	124	165	-30	-369	-289
		ROCE (NOPAT)		19.1 %	7.3 %	14.7 %	9.8 %	7.6 %	9.5 %	8.9 %
		Guidance:	Service reven	ue growth of	3%, EBITDA	A of EUR 690	m			



Loss of EUR 85m EBITDA in FY 2019 Mechanics of price review tool could still be reversed Based on unforeseen price and market developments. DRI's remedy contract with O2D allows for semi-annual price reviews to sustain competitiveness of the MBA MVNO. The first review was initiated in September 2017 but several circumstances including the lengthy German 5G auction delayed a final determination by the independent expert beyond the planned three-month deadline. Three subsequent reviews in July 2018 (2), January 2019 (3), and July 2019 (4) were already initiated by DRI and an individual and independent assessment of each can be expected in FY 2020. Relevant factors for examination by the independent expert include O2D's mechanism to calculate DRI's wholesale prices, O2D's cost structure, and the competitive environment in DRI's end-market (lower end of the German mobile market) on a specific reference date. DRI has now adjusted its FY 2019 EBITDA guidance by EUR 85m following the unfavourable outcome of its first price review (with reference date September 2017). However the actual "miss" can be assumed to be significantly higher as the retrospective adjustment of prices dating back to September 2017 would logically exceed the isolated missing EUR 85m EBITDA delta in FY 2019 following the expiry of a bilateral discount with O2D at the end of FY 2018. Following this logic, a more favourable outcome of the third price review (January 2019) for DRI should, in our view, be sufficient to restore its temporary EUR 85m EBITDA miss

in FY 2019 and restore the company's competitiveness.



Further spectrum claims by O2D

Separate spectrum contribution claim too opaque to call

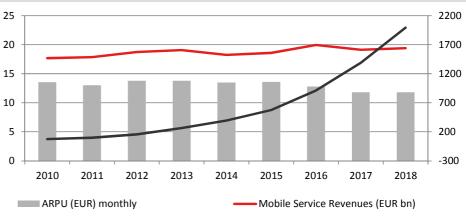
Together with O2D's announcement of the favourable outcome to the first price review, the incumbent announced that it would pursue claims against DRI for at least EUR 60m regarding contributions to spectrum payments (2015 frequency auction). This claim could also apply to the recent 5G spectrum auction if DRI decides to purchase future 5G services within its remedy contract with O2D. The claim is part of the confidential remedy contract between both parties and therefore does not allow for a conclusive assessment of its likelihood of success. The magnitude, however, is rather marginal as a loss for DRI in FY 2020 implies a neg. NPV of EUR 55.7m or a neg. EUR 0.31 per DRI share.



Greater likelihood of more favourable outcome for DRI in review 3+4

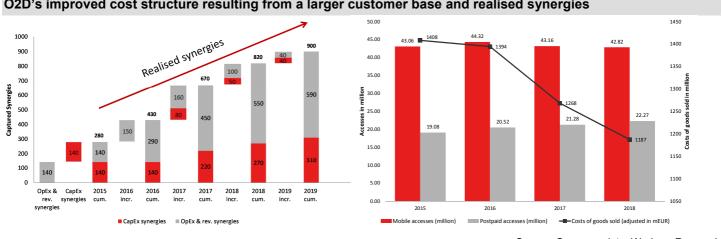
Implications for the following reviews

Based on the review mechanism outlined above and considering the bilateral wholesale access discount between the two parties, which was valid until the end of FY 2018, we attribute a greater likelihood of a more favourable outcome for DRI in the third and fourth price reviews. Both reviews examine reference dates in periods beyond the expiry of DRI's favourable mobile access terms with O2D and in periods of lower mobile market prices in Germany. The reference date for the second price review in July 2018 still included discounted wholesale access terms and came before the finalisation of O2D's portfolio restructuring measures (accompanied by rather aggressive Blau.de promotions in the lower end market).



Decreasing costs per unit in the German mobile market

The assumption is further strengthened by O2D's improved cost structure as a result of the realisation of merger synergies amounting to EUR 900m (cumulated) until FY 2019 and the increase in valuable mobile postpaid customers (O2D: +1.0m postpaid net adds in FY 2018). The increased customer base logically allows the incumbent to unlock operating leverage potential on a network asset, which is constantly being depreciated. This effect becomes partly visible, when adjusting O2D's cost of goods sold for its lowmargin handset business.



O2D's improved cost structure resulting from a larger customer base and realised synergies

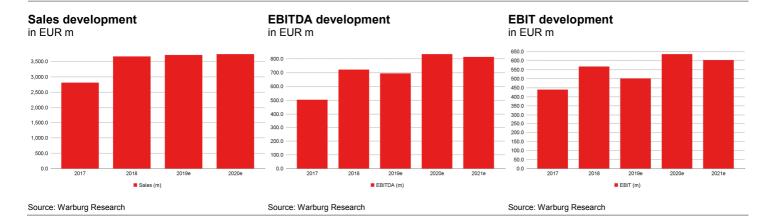
Overall, we remain optimistic that the third and fourth price reviews will result in a more favourable outcome for DRI which would render the current unfavourable access terms as a temporary situation.

Data consumption (million gigabyte), r.s.

Source: Bundesnetzagentur, Warburg Research

Source: Company data, Warburg Research



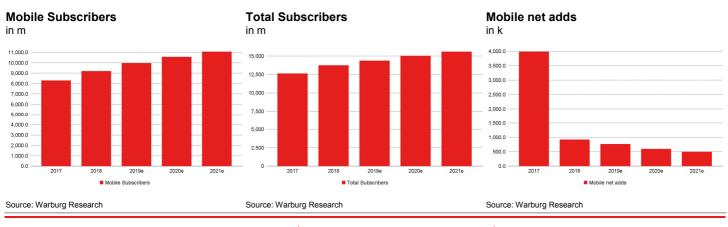


Company Background

- Drillisch sells mobile, fixed-line and value-added services to residential customers in Germany. Its core brands are 1&1 and Smartmobil. Drillisch has more than 13m subscribers.
- Drillisch has a broad network operator contract portfolio: Deutsche Telekom, Versatel, Telefonica Deutschland, Vodafone, among others.
- The MBA-MVNO contract with Telefonica Deutschland is based on monthly fixed-mobile data volumes which Drillisch must purchase. Hence, Drillisch bears a so-called inventory risk.
- The successful participation in the recent German spectrum auction enables Drillisch to build its own network infrastructure and therefore internalise mobile wholesale costs.

Competitive Quality

- Drillisch's MBA-MVNO contract with Telefonica Deutschland secures access to sufficient mobile data capacities until 2030 and to all future technologies at attractive network costs.
- Strategic flexibility: huge customer base in mobile and fixed-line in combination with favourable network operator contracts gives Drillisch the flexibility to react to changing market conditions.
- Strong brand portfolio includes well-known German telecommunication services brands such as smartmobil, yourfone and especially 1&1
- With its current spectrum portfolio and attractive cash flow profile, Drillisch is in the driver's seat to actively steer its future business model.



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DCF model														
	Detaile	d forecas	t period				٦	ransition	al period					Term. Value
Figures in EUR m	2019e	2020e	2021e	2022e	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	
Sales	3,708	3,738	3,830	3,979	4,124	4,260	4,387	4,510	4,631	4,749	4,865	4,975	5,069	
Sales change	1.3 %	0.8 %	2.5 %	3.9 %	3.6 %	3.3 %	3.0 %	2.8 %	2.7 %	2.5 %	2.4 %	2.3 %	1.9 %	1.0 %
EBIT	502	636	603	593	624	622	696	728	785	850	911	971	1,053	
EBIT-margin	13.5 %	17.0 %	15.7 %	14.9 %	15.1 %	14.6 %	15.9 %	16.1 %	16.9 %	17.9 %	18.7 %	19.5 %	20.8 %	
Tax rate (EBT)	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	
NOPAT	341	432	410	403	425	423	473	495	534	578	620	660	716	
Depreciation	193	198	211	228	248	314	317	361	381	401	421	441	461	
in % of Sales	5.2 %	5.3 %	5.5 %	5.7 %	6.0 %	7.4 %	7.2 %	8.0 %	8.2 %	8.4 %	8.7 %	8.9 %	9.1 %	
Changes in provisions	0	0	0	0	0	0	0	0	0	0	0	0	0	
Change in Liquidity from														
- Working Capital	95	13	2	6	2	2	2	2	2	2	2	2	2	
- Capex	106	133	358	410	411	1,325	480	481	482	483	484	419	358	
Capex in % of Sales	2.9 %	3.6 %	9.4 %	10.3 %	10.0 %	31.1 %	10.9 %	10.7 %	10.4 %	10.2 %	10.0 %	8.4 %	7.1 %	
Other	150	0	0	0	0	0	0	0	0	0	0	0	0	
Free Cash Flow (WACC Model)	183	485	261	215	260	-590	309	373	431	494	555	681	817	984
PV of FCF	180	445	222	170	191	-403	196	220	236	251	262	299	333	3,097
share of PVs		9.88 %						53.98	3 %					36.13 %
Model parameter							Valuat	on (m)						
Derivation of WACC:			Derivation	of Beta:			Presen	t values 20)31e	5,47	5			
							Termin	al Value		3,09	7			
Debt ratio	0.00 %		Financial S	0		1.00	Financi	al liabilitie	S	16	9			
Cost of debt (after tax)	1.4 %		Liquidity (s	hare)		1.00		n liabilities			0			
Market return	7.00 %		Cyclicality			1.00	Hybrid				0			
Risk free rate	1.50 %		Transpare	ncy		1.40		/ interest			0			
			Others			1.20	Market	val. of invo	estments		0			
							Liquidit	у			4	No. of sha	ires (m)	176.8
WACC	7.66 %		Beta			1.12	Equity	Value		8,40	7	Value per	share (E	UR) 47.56

Sensitivity Value per Share (EUR)

		Terminal (Growth								Delta EBIT	-margin					
Beta	WACC	0.25 %	0.50 %	0.75 %	1.00 %	1.25 %	1.50 %	1.75 %	Beta	WACC	-1.5 pp	-1.0 pp	-0.5 pp	+0.0 pp	+0.5 pp	+1.0 pp	+1.5 pp
1.30	8.7 %	38.15	38.50	38.87	39.27	39.69	40.14	40.63	1.30	8.7 %	35.83	36.98	38.12	39.27	40.42	41.56	42.71
1.21	8.2 %	41.70	42.14	42.61	43.10	43.64	44.21	44.83	1.21	8.2 %	39.42	40.65	41.88	43.10	44.33	45.56	46.78
1.17	7.9 %	43.67	44.16	44.69	45.25	45.85	46.50	47.21	1.17	7.9 %	41.43	42.71	43.98	45.25	46.52	47.79	49.06
1.12	7.7 %	45.79	46.34	46.93	47.56	48.25	48.99	49.79	1.12	7.7 %	43.61	44.92	46.24	47.56	48.88	50.20	51.52
1.07	7.4 %	48.07	48.69	49.35	50.07	50.85	51.69	52.61	1.07	7.4 %	45.96	47.33	48.70	50.07	51.44	52.81	54.19
1.03	7.2 %	50.53	51.23	51.98	52.80	53.68	54.65	55.70	1.03	7.2 %	48.52	49.94	51.37	52.80	54.23	55.65	57.08
0.94	6.7 %	56.07	56.97	57.95	59.01	60.17	61.45	62.85	0.94	6.7 %	54.35	55.90	57.46	59.01	60.57	62.12	63.68

Base case scenario: Drillisch acquires infrastructure and utilises a third party for national roaming

- Base case assumption: Absence of irrational movements from competitors by initiating price wars.

D&A > Capex due to PP&A resulting from the Drillisch acquisition



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	2015	2016	2017	2018	2019e	2020e	2021e
Net Income before minorities	46	26	481	406	337	428	405
 Depreciation + Amortisation 	36	61	64	155	193	198	211
 Net Interest Income 	-3	-3	-9	-5	-6	-6	-7
 Maintenance Capex 	12	14	18	40	40	40	40
+ Other	0	0	0	0	0	0	C
= Free Cash Flow Potential	74	77	536	525	496	593	583
FCF Potential Yield (on market EV)	3.3 %	3.5 %	5.6 %	5.7 %	12.3 %	15.5 %	14.9 %
WACC	7.66 %	7.66 %	7.66 %	7.66 %	7.66 %	7.66 %	7.66 %
= Enterprise Value (EV)	2,241	2,171	9,617	9,273	4,038	3,824	3,904
= Fair Enterprise Value	962	1,006	6,997	6,859	6,475	7,739	7,612
- Net Debt (Cash)	165	165	165	165	-30	-369	-289
 Pension Liabilities 	0	0	0	0	0	0	C
- Other	0	0	0	-240	-125	0	C
 Market value of minorities 	0	0	0	0	0	0	C
 Market value of investments 	0	0	0	0	0	0	C
= Fair Market Capitalisation	797	841	6,832	6,934	6,630	8,107	7,902
Number of shares, average	55	55	177	177	177	177	177
= Fair value per share (EUR)	14.56	15.36	38.65	39.23	37.51	45.87	44.70
premium (-) / discount (+) in %					58.1 %	93.4 %	88.5 %
Sensitivity Fair value per Share (EUR	2)						
10.6	6 % 2.98	3.16	27.51	28.31	27.20	33.54	32.58
9.6	6 % 3.38	3.58	30.46	31.19	29.92	36.80	35.79
8.6	6 % 3.88	4.10	34.08	34.75	33.28	40.81	39.73
WACC 7.6	6 % 4.51	4.76	38.65	39.23	37.51	45.87	44.70
	6 % 5.33	5.61	44.59	45.05	43.01	52.44	51.17
	6 % 6.43	6.77	52.64	52.94	50.45	61.33	59.92
4.6	6 % 8.01	8.42	64.13	64.21	61.09	74.05	72.43

Maintenance capex assumed to equal EUR 40m

Other includes non-cash effective IFRS 15 adjustment factor



Valuation							
	2015	2016	2017	2018	2019e	2020e	2021e
Price / Book	6.2 x	7.4 x	2.5 x	2.2 x	0.9 x	0.9 x	0.8 x
Book value per share ex intangibles	-0.46	-1.29	-0.17	3.40	1.98	4.50	5.82
EV / Sales	3.6 x	3.1 x	3.4 x	2.5 x	1.1 x	1.0 x	1.0 x
EV / EBITDA	21.3 x	18.1 x	19.1 x	12.8 x	5.8 x	4.6 x	4.8 x
EV / EBIT	32.4 x	37.0 x	21.9 x	16.3 x	8.0 x	6.0 x	6.5 x
EV / EBIT adj.*	32.4 x	37.0 x	20.5 x	16.3 x	8.0 x	6.0 x	6.5 x
P / FCF	n.a.	31.3 x	35.4 x	84.6 x	20.6 x	8.7 x	16.4 x
P/E	47.7 x	79.3 x	20.4 x	23.0 x	12.4 x	9.8 x	10.4 x
P / E adj.*	47.7 x	79.3 x	20.4 x	23.0 x	12.4 x	9.8 x	10.4 x
Dividend Yield	4.2 %	4.5 %	3.0 %	0.1 %	3.4 %	8.0 %	4.2 %
FCF Potential Yield (on market EV)	3.3 %	3.5 %	5.6 %	5.7 %	12.3 %	15.5 %	14.9 %
*Adjustments made for: -							

Company Specific Items

	2015	2016	2017	2018	2019e	2020e	2021e
Total Subscribers	3,430	8,540	12,640	13,740	14,370	15,030	15,590
Mobile Subscribers	1,923	4,310	8,300	9,200	9,970	10,570	11,070
Mobile net adds	712	2,387	3,990	925	770	600	500
Service Revenues	n.a.	n.a.	2,662	2,882	2,975	3,035	3,106



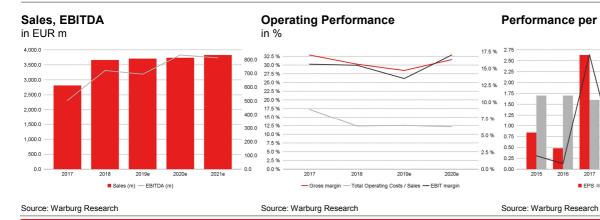
Consolidated profit and loss

In EUR m	2015	2016	2017	2018	2019e	2020e	2021e
Sales	630	710	2,812	3,662	3,708	3,738	3,830
Change Sales yoy	117.3 %	12.8 %	296.1 %	30.2 %	1.3 %	0.8 %	2.5 %
COGS	n.a.	n.a.	1,888	2,556	2,655	2,557	2,669
Gross profit	n.a.	n.a.	925	1,107	1,054	1,180	1,161
Gross margin	n.a.	n.a.	32.9 %	30.2 %	28.4 %	31.6 %	30.3 %
Research and development	0	0	0	0	0	0	0
Sales and marketing	0	0	394	399	399	401	405
Administration expenses	0	0	74	105	108	105	113
Other operating expenses	0	0	45	2	12	2	2
Other operating income	0	0	28	51	52	52	54
Unfrequent items	0	0	0	0	0	0	0
EBITDA	105	120	504	722	695	834	814
Margin	16.7 %	16.9 %	17.9 %	19.7 %	18.7 %	22.3 %	21.3 %
Depreciation of fixed assets	5	4	15	16	17	17	26
EBITA	101	117	489	706	678	817	788
Amortisation of intangible assets	32	58	49	53	91	92	93
Goodwill amortisation	0	0	0	85	85	90	92
EBIT	69	59	440	567	502	636	603
Margin	11.0 %	8.3 %	15.6 %	15.5 %	13.5 %	17.0 %	15.7 %
EBIT adj.	69	59	468	567	502	636	603
Interest income	1	1	1	1	0	0	0
Interest expenses	4	4	10	5	6	6	7
Other financial income (loss)	0	0	0	0	0	0	0
EBT	66	56	431	563	496	629	596
Margin	10.5 %	7.8 %	15.3 %	15.4 %	13.4 %	16.8 %	15.6 %
Total taxes	20	29	121	157	159	201	191
Net income from continuing operations	46	26	310	406	337	428	405
Income from discontinued operations (net of tax)	0	0	171	0	0	0	0
Net income before minorities	46	26	481	406	337	428	405
Minority interest	0	0	17	0	0	0	0
Net income	46	26	465	406	337	428	405
Margin	7.3 %	3.7 %	16.5 %	11.1 %	9.1 %	11.5 %	10.6 %
Number of shares, average	55	55	177	177	177	177	177
EPS	0.84	0.48	2.63	2.30	1.91	2.42	2.29
EPS adj.	0.84	0.48	2.63	2.30	1.91	2.42	2.29
*Adjustments made for:							

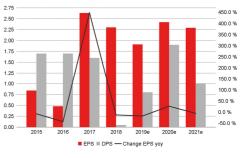
Guidance: Service revenue growth of 3%, EBITDA of EUR 690m

Financial Ratios

	2015	2016	2017	2018	2019e	2020e	2021e
			-				
Total Operating Costs / Sales	83.6 %	83.3 %	17.2 %	12.4 %	12.6 %	12.2 %	12.2 %
Operating Leverage	-0.1 x	-1.2 x	2.2 x	1.0 x	-9.2 x	34.0 x	-2.1 x
EBITDA / Interest expenses	26.1 x	27.8 x	52.9 x	136.8 x	126.3 x	132.4 x	116.3 x
Tax rate (EBT)	30.4 %	52.4 %	28.0 %	27.8 %	32.0 %	32.0 %	32.0 %
Dividend Payout Ratio	203.2 %	352.2 %	91.1 %	2.2 %	41.9 %	78.5 %	43.6 %
Sales per Employee	1,798,703	209,011	983,326	1,165,646	1,166,151	1,167,970	1,181,979



Performance per Share



COMMENT

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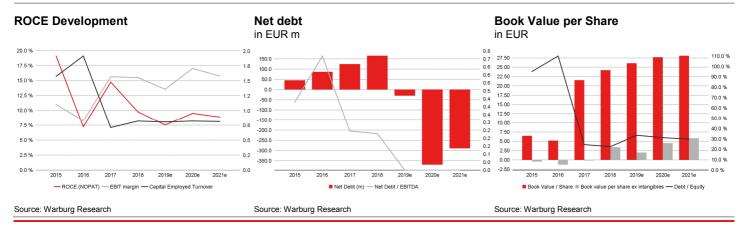


Consolidated balance sheet

In EUR m	2015	2016	2017	2018	2019e	2020e	2021e
Assets							
Goodwill and other intangible assets	378	354	3,834	3,680	4,259	4,099	3,937
thereof other intangible assets	271	255	901	747	1,411	1,341	1,271
thereof Goodwill	107	99	2,933	2,933	2,848	2,758	2,666
Property, plant and equipment	11	11	15	14	22	55	304
Financial assets	0	1	86	47	47	47	47
Other long-term assets	0	0	0	304	350	360	365
Fixed assets	390	365	3,935	4,045	4,678	4,561	4,653
Inventories	32	10	46	90	53	68	70
Accounts receivable	89	93	183	230	254	256	262
Liquid assets	123	93	150	4	200	544	464
Other short-term assets	55	35	422	878	963	993	992
Current assets	299	230	800	1,201	1,470	1,860	1,789
Total Assets	689	595	4,736	5,247	6,148	6,422	6,441
Liabilities and shareholders' equity							
Subscribed capital	60	60	194	194	194	194	194
Capital reserve	296	296	2,447	2,434	2,434	2,434	2,434
Retained earnings	31	31	1,164	1,653	1,644	1,840	1,932
Other equity components	-34	-104	0	-1	337	428	405
Shareholders' equity	353	283	3,805	4,280	4,609	4,895	4,965
Minority interest	0	0	0	0	0	0	0
Total equity	353	283	3,805	4,280	4,609	4,895	4,965
Provisions	19	24	104	114	126	146	144
thereof provisions for pensions and similar obligations	1	2	0	0	0	0	0
Financial liabilities (total)	167	178	274	169	170	175	175
thereof short-term financial liabilities	0	50	0	0	0	0	0
Accounts payable	81	45	230	365	254	256	262
Other liabilities	69	66	324	319	990	950	895
Liabilities	336	312	931	967	1,540	1,526	1,476
Total liabilities and shareholders' equity	689	595	4,736	5,247	6,148	6,422	6,441

Financial Ratios

	2015	2016	2017	2018	2019e	2020e	2021e
Efficiency of Capital Employment							
Operating Assets Turnover	13.7 x	11.1 x	340.3 x	-96.0 x	56.8 x	33.6 x	10.6 x
Capital Employed Turnover	1.6 x	1.9 x	0.7 x	0.8 x	0.8 x	0.8 x	0.8 x
ROA	11.9 %	7.2 %	11.8 %	10.0 %	7.2 %	9.4 %	8.7 %
Return on Capital							
ROCE (NOPAT)	19.1 %	7.3 %	14.7 %	9.8 %	7.6 %	9.5 %	8.9 %
ROE	13.5 %	8.3 %	22.7 %	10.0 %	7.6 %	9.0 %	8.2 %
Adi. ROE	13.5 %	8.3 %	22.7 %	10.0 %	7.6 %	9.0 %	8.2 %
Balance sheet quality							
Net Debt	45	86	124	165	-30	-369	-289
Net Financial Debt	44	85	124	165	-30	-369	-289
Net Gearing	12.8 %	30.5 %	3.3 %	3.9 %	-0.6 %	-7.5 %	-5.8 %
Net Fin. Debt / EBITDA	41.6 %	70.5 %	24.7 %	22.9 %	n.a.	n.a.	n.a.
Book Value / Share	6.4	5.2	21.5	24.2	26.1	27.7	28.1
Book value per share ex intangibles	-0.5	-1.3	-0.2	3.4	2.0	4.5	5.8



Consolidated cash flow statement



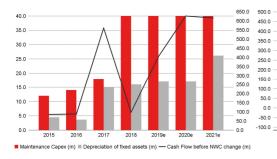
In EUR m	2015	2016	2017	2018	2019e	2020e	2021e
Net income	46	26	481	406	337	428	405
Depreciation of fixed assets	5	4	15	16	17	17	26
Amortisation of goodwill	0	0	0	85	85	90	92
Amortisation of intangible assets	32	58	64	53	91	92	93
Increase/decrease in long-term provisions	0	0	0	0	0	0	0
Other non-cash income and expenses	4	0	0	-462	-125	0	0
Cash Flow before NWC change	86	88	560	98	405	626	616
Increase / decrease in inventory	-27	22	0	-43	37	-15	-2
Increase / decrease in accounts receivable	-41	-4	-71	-44	-24	-2	-6
Increase / decrease in accounts payable	58	-37	-75	144	-108	4	6
Increase / decrease in other working capital positions	0	11	0	0	0	0	0
Increase / decrease in working capital (total)	-9	-8	-146	57	-95	-13	-2
Net cash provided by operating activities [1]	76	81	294	156	310	613	615
Investments in intangible assets	-160	-9	-10	-20	-81	-83	-83
Investments in property, plant and equipment	-4	-5	-16	-25	-25	-50	-275
Payments for acquisitions	-7	-20	0	0	0	0	0
Financial investments	1	0	0	-8	0	0	0
Income from asset disposals	0	1	0	3	0	0	0
Net cash provided by investing activities [2]	-169	-25	-49	-21	-106	-133	-358
Change in financial liabilities	0	10	96	-105	1	5	0
Dividends paid	-90	-93	0	-283	-9	-141	-336
Purchase of own shares	0	0	0	-15	0	0	0
Capital measures	0	0	0	0	0	0	0
Other	-10	-4	-250	123	0	0	0
Net cash provided by financing activities [3]	-101	-86	-153	-280	-8	-136	-336
Change in liquid funds [1]+[2]+[3]	-194	-30	92	-146	196	344	-80
Effects of exchange-rate changes on cash	0	0	0	0	0	0	0
Cash and cash equivalent at end of period	123	93	184	4	200	544	464

Financial Ratios

	2015	2016	2017	2018	2019e	2020e	2021e
Cash Flow							
FCF	-87	75	279	140	204	480	256
Free Cash Flow / Sales	-13.9 %	9.4 %	9.5 %	3.0 %	5.5 %	12.8 %	6.7 %
Free Cash Flow Potential	74	77	536	525	496	593	583
Free Cash Flow / Net Profit	-189.9 %	251.7 %	57.7 %	27.2 %	60.4 %	112.2 %	63.2 %
Interest Received / Avg. Cash	0.3 %	1.1 %	0.8 %	0.8 %	0.0 %	0.0 %	0.0 %
Interest Paid / Avg. Debt	3.1 %	2.5 %	4.2 %	2.4 %	3.2 %	3.7 %	4.0 %
Management of Funds							
Investment ratio	26.1 %	2.0 %	0.9 %	1.2 %	2.9 %	3.6 %	9.4 %
Maint. Capex / Sales	1.9 %	2.0 %	0.6 %	1.1 %	1.1 %	1.1 %	1.0 %
Capex / Dep	454.7 %	22.8 %	40.6 %	29.1 %	55.0 %	67.1 %	169.9 %
Avg. Working Capital / Sales	4.8 %	6.2 %	0.8 %	-0.8 %	-0.1 %	1.3 %	1.5 %
Trade Debtors / Trade Creditors	109.4 %	206.2 %	79.6 %	63.0 %	100.0 %	100.0 %	100.0 %
Inventory Turnover	n.a.	n.a.	40.6 x	28.5 x	50.1 x	37.6 x	38.3 x
Receivables collection period (days)	51	48	24	23	25	25	25
Payables payment period (days)	n.a.	n.a.	44	52	35	37	36
Cash conversion cycle (Days)	n.a.	n.a.	-13	-17	-4	-4	-3

CAPEX and Cash Flow in EUR m

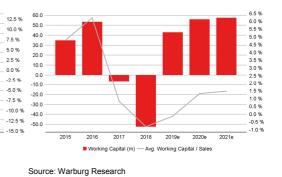
Source: Warburg Research



Free Cash Flow Generation

Working Capital

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Published 30.10.2019

2021e

2018 2019e 2020e

FCF (m) - Free Cash Flow / Sales

Source: Warburg Research

2015

2016 2017



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-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	119	60
Hold	70	35
Sell	7	4
Rating suspended	4	2
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	33	79
Hold	7	17
Sell	0	0
Rating suspended	2	5
Total	42	100

PRICE AND RATING HISTORY 1&1 DRILLISCH AS OF 30.10.2019



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WARBURG RESEARCH

EQUITIES			
Matthias Rode Head of Equities	+49 40 3282-2678 mrode@mmwarburg.com		
RESEARCH			
Michael Heider Head of Research	+49 40 309537-280 mheider@warburg-research.com	Andreas Pläsier Banks, Financial Services	+49 40 309537-246 aplaesier@warburg-research.com
Henner Rüschmeier Head of Research	+49 40 309537-270 hrueschmeier@warburg-research.com	Franz Schall Automobiles, Car Suppliers	+49 40 309537-230 fschall@warburg-research.com
Jan Bauer Renewables	+49 40 309537-155 jbauer@warburg-research.com	Malte Schaumann Technology	+49 40 309537-170 mschaumann@warburg-research.com
Jonas Blum Telco, Construction	+49 40 309537-240 jblum@warburg-research.com	Patrick Schmidt Leisure, Internet	+49 40 309537-125 pschmidt@warburg-research.com
Christian Cohrs Industrials & Transportation	+49 40 309537-175 ccohrs@warburg-research.com	Oliver Schwarz Chemicals, Agriculture	+49 40 309537-250 oschwarz@warburg-research.com
Felix Ellmann Software, IT	+49 40 309537-120 fellmann@warburg-research.com	Cansu Tatar Cap. Goods, Engineering	+49 40 309537-248 ctatar@warburg-research.com
Jörg Philipp Frey Retail, Consumer Goods	+49 40 309537-258 jfrey@warburg-research.com	Marc-René Tonn Automobiles, Car Suppliers	+49 40 309537-259 mtonn@warburg-research.com
Marius Fuhrberg Financial Services	+49 40 309537-185 mfuhrberg@warburg-research.com	Robert-Jan van der Horst Technology	+49 40 309537-290 rvanderhorst@warburg-research.com
Ulrich Huwald Health Care, Pharma	+49 40 309537-255 uhuwald@warburg-research.com	Andreas Wolf Software, IT	+49 40 309537-140 awolf@warburg-research.com
Philipp Kaiser Real Estate	+49 40 309537-260 pkaiser@warburg-research.com		
Thilo Kleibauer Retail, Consumer Goods	+49 40 309537-257 tkleibauer@warburg-research.com		
Eggert Kuls Engineering	+49 40 309537-256 ekuls@warburg-research.com		
INSTITUTIONAL EQU	ITY SALES		
Marc Niemann	+49 40 3282-2660	Matthias Fritsch	+49 40 3282-2696
Head of Equity Sales, Germany	mniemann@mmwarburg.com	United Kingdom	mfritsch@mmwarburg.com
Klaus Schilling Head of Equity Sales, Germany	+49 40 3282-2664 kschilling@mmwarburg.com	Tobias Hald United Kingdom	+49 40 3282-2695 thald@mmwarburg.com
Tim Beckmann	+49 40 3282-2665	Christopher Seedorf	+49 69 5050-7414
United Kingdom	tbeckmann@mmwarburg.com	Switzerland	cseedorf@mmwarburg.com
Lyubka Bogdanova	+49 69 5050-7411	e mizeriaria	0000000@
Ireland, Poland, Australia	lbogdanova@mmwarburg.com		
Jens Buchmüller	+49 69 5050-7415	Sophie Hauer	+49 69 5050-7417
Scandinavia, Austria	jbuchmueller@mmwarburg.com	Roadshow/Marketing	shauer@mmwarburg.com
Alexander Eschweiler	+49 40 3282-2669	Juliane Niemann	+49 40 3282-2694
Germany	aeschweiler@mmwarburg.com	Roadshow/Marketing	jniemann@mmwarburg.com
SALES TRADING			
Oliver Merckel	+49 40 3282-2634	Bastian Quast	+49 40 3282-2701
Head of Sales Trading	omerckel@mmwarburg.com	Sales Trading	bquast@mmwarburg.com
Elyaz Dust	+49 40 3282-2702	Jörg Treptow	+49 40 3282-2658
Sales Trading	edust@mmwarburg.com	Sales Trading	jtreptow@mmwarburg.com
Michael Ilgenstein Sales Trading	+49 40 3282-2700 milgenstein@mmwarburg.com	Jan Walter Sales Trading	+49 40 3282-2662 jwalter@mmwarburg.com
MACRO RESEARCH			
Carsten Klude Macro Research	+49 40 3282-2572 cklude@mmwarburg.com	Dr. Christian Jasperneite	+49 40 3282-2439 cjasperneite@mmwarburg.com
Our research can be f	U	07	,
Warburg Research	research.mmwarburg.com/en/index.html	Thomson Reuters	www.thomsonreuters.com
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For access please conta	act:		
Andrea Schaper	+49 40 3282-2632	Kerstin Muthig	+49 40 3282-2703

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