# **Intershop Communications AG**

**Sponsored Research** 

**Germany | Software & Computer Services** 

**Investment Research** 



## **Company Flash Note**

Buy			
Recommendation unchange	ed		
Share price: EUR			1.41
closing price as of 19/11/2018			
Target price: EUR			1.75
from Target Price: EUR			1.85
Upside/Downside P	otenti	ial 2	24.8%
Reuters/Bloomberg		ISHG.DE	/ISH2 GY
Market capitalisation (EUR	m)		49
Current N° of shares (m)			35
Free float			62%
Daily avg. no. trad. sh. 12 mtl	h		18
Daily avg. trad. vol. 12 mth (n	n)		35.18
Price high/low 12 months	,	1.3	38 / 2.23
Abs Perfs 1/3/12 mths (%)		-9.94/-12.1	9/-30.72
. ,			
Key financials (EUR)	12/17	12/18e	12/19e
Sales (m)	36	32	40
EBITDA (m)	3	(3)	1
EBITDA margin	7.9%	nm	3.5%
EBIT (m)	3	(3)	1
EBIT margin	7.2%	nm	2.7%
Net Profit (adj.)(m)	(1)	(5)	(1)
ROCE	13.7%	-12.5%	5.3%
Net debt/(cash) (m)	(6)	(6)	(3)
Net Debt Equity	-0.4	-0.4	-0.2
Net Debt/EBITDA	-2.2	2.3	-2.5
Int. cover(EBITDA/Fin.int)	8.5	(21.2)	10.1
EV/Sales	1.4	1.3	1.1
EV/EBITDA	17.7	nm	32.9
EV/EBITDA (adj.)	17.7	nm	32.9
EV/EBIT	19.4	nm	42.0
P/E (adj.)	nm	nm	nm
P/BV	3.7	3.3	3.6
OpFCF yield	-1.6%	-10.9%	-5.1%
Dividend yield	0.0%	0.0%	0.0%
EPS (adj.)	(0.02)	(0.15)	(0.03
BVPS	0.48	0.43	0.39
DPS	0.00	0.00	0.00
Shareholders			

Shareholder Value Management AG / Shareholder Value Beteiligungen AG 28%; Axxion SA (Luxembourg) 10%;



Analyst(s)

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### It's up to the cloud

Intershop reduced its FY2018 outlook as a result of the transition from a license to a cloud software provider. Taking into consideration the 9M results, the adjusted FY2018 targets appear to be an achievable target, in our view. Furthermore, Intershop released its FY2019 outlook with sales growth and slight operating losses. Our investment case that Intershop needs to achieve a critical mass in cloud revenue remains largely untouched from the faster-than-expected decline in license sales. Intershop now needs to prove that its technologically strong solution is able to deliver the desired growth in FY2019. We reduce our FY2018 / FY2019 estimates, and cut our 12-month TP by 5% to EUR 1.75 following the adjusted outlook. We confirm our Buy recommendation.

- ✓ Intershop's management lowered its outlook for FY2018 for the second time in four months resulting from the faster-than-expected decline in revenues from traditional license sales, which cannot fully be compensated by cloud sales, yet. The reduced FY2018 guidance (-10% to -15% revenue growth and a negative mid-single-digit EBIT) appears achievable to us in light of the 9M results (EUR 23.9m revenue, EUR -3.7m EBIT). As our estimates almost entirely reflected the new guidance, we have to adjust our estimates only moderately, in absolute terms.
- ✓ At the same time, Intershop releases the first outlook for FY2019. Management expects the company to return to the growth path again with cloud sales achieving a critical mass. FY2019 EBIT is expected to remain in the negative territory. Therefore, we need to cut our earnings estimates for FY2019.
- ✓ Finally, management confirmed its FY2020 targets (EUR 50m sales and 5% EBIT margin). The growth targets have become a bit more of a stretch compared with the beginning of this year. But, given the meanwhile global partnership with Microsoft Intershop has access to a huge global network of Microsoft clients, which make FY2020 targets not unrealistic, in our view. Therefore, Intershop must now prove that its cloud offering is truly able to deliver the desired growth from FY2019 onwards. Thus, our investment thesis remains largely unchanged in light of the adjusted guidance.
- ✓ We adjust our estimates following the release of the company's updated guidance. Updating our DCF analysis, we cut our 12-months target price by 5% to EUR 1.75 (from EUR 1.85). This is equivalent to 25% upside based on yesterday's close. We confirm our Buy rating, based on the technological relevance of the solution and the significant re-rating potential from a successful cloud transformation.







Exhibit 1: Updated management guidance

		FY 2017	Guidance FY 2018e	Prev. Guidance FY 2018e	Tendency	equinet est.	% yoy
Intershop Communicate	tions AG EUR m	35.8	-10% to -15%	slightly below previous year	_	31.9	-11.0%
ЕВП	EUR m	0.4		negative, low single-digit million	-	-5.0	nm

Source: Intershop, equinet Research

**Exhibit 2: Changes to our estimates** 

		2018e	_	2019e		2020e			
	Old	New	Chg.	Old	New	Chg.	Old	New	Chg.
Revenues	32.5	31.9	-2.0%	40.3	39.8	-1.4%	52.2	51.8	-0.8%
EBIT	-4.4	-5.0	nm	1.0	-1.2	nm	3.4	3.1	-8.2%
Net result	-5.0	-5.6	nm	0.8	-1.1	nm	2.9	2.6	-8.5%
EPS	-0.14	-0.16	nm	0.02	-0.03	nm	0.08	0.08	-8.5%

Source: equinet Research

**Exhibit 3: Updated DCF analysis** 

			Phase I					Phase II			Phase II
EUR m	2018e	2019e	2020e	2021e	2022e	2023e	2024e	2025e	2026e	2027e	
Revenues	32	40	52	60	67	74	81	86	91	94	
growth rate	-110%	24.8%	30.2%	16.1%	119%	10.2%	8.6%	6.9%	5.3%	3.6%	
EBIT	-5.0	-1.2	3.1	5.0	6.4	7.1	7.7	8.3	8.7	9.0	
EBIT margin	-15.8%	-3.0%	6.0%	8.2%	9.6%	9.6%	9.6%	9.6%	9.6%	9.6%	
Tax	0.0	0.4	-1.0	-1.6	-2.0	-2.2	-2.4	-2.6	-2.7	-2.8	
Tax rate	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	
Depr. & Amort.	2.5	2.6	2.9	3.2	3.4	3.8	4.2	4.5	4.7	4.9	
% of sales	7.8%	6.5%	5.5%	5.2%	5.1%	5.2%	5.2%	5.2%	5.2%	5.2%	
Capex	-2.7	-3.2	-3.5	-3.8	-3.7	-4.1	-4.4	-4.7	-5.0	-5.2	
% of sales	8.5%	8.0%	6.8%	6.3%	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	
Change in NWC	0.5	-0.8	-1.2	-0.8	-0.7	-0.7	-0.6	-0.6	-0.4	-0.3	
% of sales	-16%	2.0%	2.3%	14%	10%	0.9%	0.8%	0.6%	0.5%	0.3%	
Free Cash Flow	-4.8	-2.2	0.3	1.9	3.4	3.9	4.4	4.9	5.3	5.6	71
growth rate Present Value FCF	nm -4.7	-53.9% <b>-2.0</b>	nm <b>0.2</b>	nm 1.4	77.6% <b>2.3</b>	14.5% <b>2.4</b>	2.0% 2.5	10.0% <b>2.5</b>	8.1% <b>2.4</b>	6.5% <b>2.4</b>	2.0
									_		
PV Phase I		-3			Risk fre	e rate	3.5%		Targ. eq	uity ratio	90
PV Phase II		12			Premiur	n Equity	5.0%		Beta		1
PV Phase III		30			Premiur	n Debt	5.0%		WACC		10.0
Enterprise value		40			Sensitiv	ity		Grov	wth in pl	nase III	
- Net Debt (Cash)		-6					1.0%	1.5%	2.0%	2.5%	3.0%
- Pension Provisions		0				8.97%	1.85	1.91	1.99	2.08	2.18
- Minorities & Periphe	erals	0				9.47%	1.74	1.80	1.86	1.94	2.02
+ MV of financial asse		0			WACC	9.97%	1.65	1.70	1.75	1.82	1.89
- Paid-out dividends f		0				10.47%	1.57	1.61	1.66	1.71	1.77
	or last i i	15				10.97%	1.50	1.53	1.57	1.62	1.67
						10.37 /6	1.50	1.00	1.57	1.02	1.07
+/- Other EV items		15				_					
		61									
+/- Other EV items											
+/- Other EV items Equity value		61									
+/- Other EV items  Equity value  Number of shares		61 34.9									

Source: equinet Research





Intershop	Communications	AG : Summary	tables
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PROFIT & LOSS (EURm)	12/2015	12/2016	12/2017	12/2018e	12/2019e	12/2020e
Sales	42.7	34.2	35.8	31.9	39.8	51.8
Cost of Sales & Operating Costs	-39.3	-33.1	-33.0	-33.9	-38.4	-45.9
Non Recurrent Expenses/Income	0.0	-1.0	0.0	-0.5	0.0	0.0
EBITDA	3.5	0.1	2.8	-2.6	1.4	6.0
EBITDA (adj.)*	3.5	1.1	2.8	-2.1	1.4	6.0
Depreciation	-0.4	-0.3	-0.3	-0.3	-0.3	-0.4
EBITA	3.0	-0.2	2.6	-2.8	1.1	5.5
EBITA (adj)*	3.0	0.8	2.6	-2.3	1.1	5.5
Amortisations and Write Downs	0.0	0.0	0.0	0.0	0.0	0.0
of which PPA amortisation	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	3.0	-0.2	2.6	-2.8	1.1	5.5
EBIT (adj.)*	3.0	8.0	2.6	-2.3	1.1	5.5
Net Financial Interest	-0.1	-0.3	-0.3	-0.1	-0.1	-0.1
Other Financials	0.0	0.0	0.0	0.0	0.0	0.0
Associates	0.0	0.0	0.0	0.0	0.0	0.0
Other Non Recurrent Items	0.0	0.0	0.0	0.0	0.0	0.0
Earnings Before Tax (EBT)	2.9	-0.4	2.3	-2.9	0.9	5.4
Tax	0.0	-0.3	-0.7	-0.5	0.2	-0.4
Tax rate	0.5%	n.m.	33.1%	n.m.	n.m.	6.7%
Discontinued Operations	0.0	0.0	0.0	0.0	0.0	0.0
Minorities	0.0	0.0	0.0	0.0	0.0	0.0
Net Profit (reported)	2.9	-0.8	1.5	-3.4	1.1	5.1
Net Profit (adj.)	0.0	-2.3	-0.7	-5.3	-1.1	2.6
CASH FLOW (EURm)	12/2015	12/2016	12/2017	12/2018e	12/2019e	12/2020e
Cash Flow from Operations before change in NWC	3.1	-0.5	1.7	-3.2	1.4	5.5
Change in Net Working Capital	1.8	-0.4	0.0	0.5	-0.8	-1.2
Cash Flow from Operations	5.0	-0.9	1.7	-2.6	0.7	4.3
Capex	-2.3	-2.8	-2.6	-2.7	-3.2	-3.5
Net Financial Investments	0.0	0.0	0.0	0.0	0.0	0.0
Free Cash Flow	2.7	-3.7	-0.9	-5.4	-2.5	0.8
Dividends	0.0	0.0	0.0	0.0	0.0	0.0
Other (incl. Capital Increase & share buy backs)	0.0	0.0	0.0	0.0	0.0	0.0
Change in Net Debt	2.7	-3.7	-0.9	-5.4	-2.5	0.8
Change in Net Debt NOPLAT	<b>2.7</b> 2.1	<b>-3.7</b> 0.6	<b>-0.9</b> 1.8	<b>-5.4</b> -1.6	<b>-2.5</b> 0.8	3.9
Change in Net Debt NOPLAT BALANCE SHEET & OTHER ITEMS (EURm)	2.7 2.1 12/2015	-3.7 0.6 12/2016	-0.9 1.8 12/2017	-5.4 -1.6 12/2018e	-2.5 0.8 12/2019e	3.9 12/2020e
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets	2.7 2.1 12/2015 0.4	-3.7 0.6 12/2016 0.6	-0.9 1.8 12/2017 0.6	-5.4 -1.6 12/2018e 0.8	-2.5 0.8 12/2019e 1.1	3.9 <b>12/2020e</b> 1.4
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill)	2.7 2.1 12/2015 0.4 8.7	-3.7 0.6 12/2016 0.6 8.8	-0.9 1.8 12/2017 0.6 8.9	-5.4 -1.6 12/2018e 0.8 9.0	-2.5 0.8 12/2019e 1.1 9.3	3.9 <b>12/2020e</b> 1.4 9.6
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other	2.7 2.1 12/2015 0.4 8.7 0.0	-3.7 0.6 12/2016 0.6 8.8 0.0	-0.9 1.8 12/2017 0.6 8.9 0.0	-5.4 -1.6 12/2018e 0.8 9.0 0.0	-2.5 0.8 12/2019e 1.1 9.3 0.0	3.9 12/2020e 1.4 9.6 0.0
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets	2.7 2.1 12/2015 0.4 8.7 0.0 9.1	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4	-0.9 1.8 12/2017 0.6 8.9 0.0 9.6	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8	-2.5 0.8 12/2019e 1.1 9.3 0.0 10.4	3.9 12/2020e 1.4 9.6 0.0 11.1
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories	2.7 2.1 12/2015 0.4 8.7 0.0 9.1 0.0	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0	-0.9 1.8 12/2017 0.6 8.9 0.0 9.6 0.0	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8 0.0	-2.5 0.8 12/2019e 1.1 9.3 0.0 10.4 0.0	3.9 12/2020e 1.4 9.6 0.0 11.1 0.0
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables	2.7 2.1 12/2015 0.4 8.7 0.0 9.1 0.0 5.3	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1	-0.9 1.8 12/2017 0.6 8.9 0.0 9.6 0.0 5.2	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8 0.0 4.5	-2.5 0.8 12/2019e 1.1 9.3 0.0 10.4 0.0 5.6	3.9 12/2020e 1.4 9.6 0.0 11.1 0.0 7.3
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets	2.7 2.1 12/2015 0.4 8.7 0.0 9.1 0.0 5.3 3.3	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7	-0.9 1.8 12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3	-2.5 0.8 12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3	3.9 12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-)	2.7 2.1 12/2015 0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9	-0.9 1.8 12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1	-2.5 0.8 12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3 -5.6	3.9 12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6
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Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets	2.7 2.1 12/2015 0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1	-0.9 1.8 12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7	-2.5 0.8 12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3 -5.6 12.5 22.9	3.9 12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity	2.7 2.1 12/2015 0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8	-2.5 0.8 12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3 -5.6 12.5 22.9 13.7	3.9 12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority	2.7 2.1 12/2015 0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1 0.0	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0	-2.5 0.8 12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3 -5.6 12.5 22.9 13.7 0.0	3.9 12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3 0.0
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity	2.7 2.1 12/2015 0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1 0.0 19.1	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8	-2.5 0.8 12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3 -5.6 12.5 22.9 13.7 0.0 13.7	3.9 12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3 0.0 16.3
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt	2.7 2.1 12/2015 0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1 0.0 19.1 -4.1	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8	-2.5 0.8 12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3 -5.6 12.5 22.9 13.7 0.0 13.7 -11.8	3.9  12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3 0.0 16.3 -13.6
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt Provisions	2.7 2.1 12/2015 0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1 0.0 19.1 -4.1	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2 0.0	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2 0.0	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8 0.0	-2.5 0.8 12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3 -5.6 12.5 22.9 13.7 0.0 13.7 -11.8 0.0	3.9  12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3 0.0 16.3 -13.6 0.0
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt Provisions Other long term liabilities	2.7 2.1  12/2015 0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1 0.0 19.1 -4.1 0.0 0.4	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2 0.0 0.3	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2 0.0 0.2	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8 0.0	-2.5 0.8 12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3 -5.6 12.5 22.9 13.7 0.0 13.7 -11.8 0.0 0.2	3.9  12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3 0.0 16.3 -13.6 0.0 0.2
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt Provisions Other long term liabilities Total Long Term Liabilities	2.7 2.1 12/2015 0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1 0.0 19.1 -4.1 0.0 0.4 -3.7	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2 0.0 0.3 -6.9	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2 0.0 0.2 -9.0	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8 0.0 0.2 -9.6	-2.5 0.8  12/2019e  1.1  9.3  0.0  10.4  0.0  5.6  1.3  -5.6  12.5  22.9  13.7  0.0  13.7  -11.8  0.0  0.2  -11.6	3.9 12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3 0.0 16.3 -13.6 0.0 0.2 -13.4
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt Provisions Other long term liabilities	2.7 2.1  12/2015 0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1 0.0 19.1 -4.1 0.0 0.4	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2 0.0 0.3	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2 0.0 0.2	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8 0.0	-2.5 0.8 12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3 -5.6 12.5 22.9 13.7 0.0 13.7 -11.8 0.0 0.2	3.9 12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3 0.0 16.3 -13.6 0.0 0.2
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt Provisions Other long term Liabilities Short term interest bearing debt	2.7 2.1  12/2015 0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1 0.0 19.1 -4.1 0.0 0.4 -3.7 10.0	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2 0.0 0.3 -6.9 11.0	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2 0.0 0.2 -9.0 12.0	-5.4 -1.6  12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8 0.0 0.2 -9.6 13.0	-2.5 0.8  12/2019e  1.1  9.3  0.0  10.4  0.0  5.6  1.3  -5.6  12.5  22.9  13.7  0.0  13.7  -11.8  0.0  0.2  -11.6  14.0	3.9 12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3 0.0 16.3 -13.6 0.0 0.2 -13.4 15.0
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt Provisions Other long term Liabilities Short term interest bearing debt Trade payables	2.7 2.1  12/2015 0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1 0.0 19.1 -4.1 0.0 0.4 -3.7 10.0 2.1	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2 0.0 0.3 -6.9 11.0 1.4	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2 0.0 0.2 -9.0 12.0 1.5	-5.4 -1.6 12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8 0.0 0.2 -9.6 13.0 1.3	-2.5 0.8  12/2019e  1.1  9.3  0.0  10.4  0.0  5.6  1.3  -5.6  12.5  22.9  13.7  0.0  13.7  -11.8  0.0  0.2  -11.6  14.0  1.6	3.9 12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3 0.0 16.3 -13.6 0.0 0.2 -13.4 15.0 2.1
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt Provisions Other long term Liabilities Short term interest bearing debt Trade payables Other current liabilities	2.7 2.1  12/2015  0.4  8.7  0.0  9.1  0.0  5.3  3.3  -15.2  23.9  33.0  19.1  0.0  19.1  -4.1  0.0  0.4  -3.7  10.0  2.1  5.5	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2 0.0 0.3 -6.9 11.0 1.4 5.4	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2 0.0 0.2 -9.0 12.0 1.5 5.2	-5.4 -1.6  12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8 0.0 0.2 -9.6 13.0 1.3 5.2	-2.5 0.8  12/2019e  1.1  9.3  0.0  10.4  0.0  5.6  1.3  -5.6  12.5  22.9  13.7  0.0  13.7  -11.8  0.0  0.2  -11.6  14.0  1.6  5.2	3.9  12/2020e  1.4  9.6  0.0  11.1  0.0  7.3  1.3  -5.6  14.2  25.2  16.3  0.0  16.3  -13.6  0.0  0.2  -13.4  15.0  2.1  5.2
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm)  Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt Provisions Other long term Liabilities Short term interest bearing debt Trade payables Other current liabilities Total Current Liabilities Total Current Liabilities	2.7 2.1  12/2015  0.4  8.7  0.0  9.1  0.0  5.3  3.3  -15.2  23.9  33.0  19.1  0.0  19.1  -4.1  0.0  0.4  -3.7  10.0  2.1  5.5  17.5	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2 0.0 0.3 -6.9 11.0 1.4 5.4 17.8	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2 0.0 0.2 -9.0 12.0 1.5 5.2 18.7	-5.4 -1.6  12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8 0.0 0.2 -9.6 13.0 1.3 5.2 19.5	-2.5 0.8  12/2019e  1.1  9.3  0.0  10.4  0.0  5.6  1.3  -5.6  12.5  22.9  13.7  0.0  13.7  -11.8  0.0  0.2  -11.6  14.0  1.6  5.2  20.8	3.9  12/2020e  1.4  9.6  0.0  11.1  0.0  7.3  1.3  -5.6  14.2  25.2  16.3  0.0  16.3  -13.6  0.0  0.2  -13.4  15.0  2.1  5.2  22.3
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm)  Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt Provisions Other long term liabilities Total Long Term Liabilities Short term interest bearing debt Trade payables Other current liabilities Total Current Liabilities Total Current Liabilities Total Liabilities and Shareholders' Equity	2.7 2.1  12/2015  0.4 8.7 0.0  9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1 0.0 19.1 -4.1 0.0 0.4 -3.7 10.0 2.1 5.5 17.5 32.9	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2 0.0 0.3 -6.9 11.0 1.4 5.4 17.8 27.0	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2 0.0 0.2 -9.0 12.0 1.5 5.2 18.7 25.0	-5.4 -1.6  12/2018e  0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8 0.0 0.2 -9.6 13.0 1.3 5.2 19.5 24.7	-2.5 0.8  12/2019e  1.1  9.3  0.0  10.4  0.0  5.6  1.3  -5.6  12.5  22.9  13.7  0.0  13.7  -11.8  0.0  0.2  -11.6  14.0  1.6  5.2  20.8  22.9	3.9  12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3 0.0 16.3 -13.6 0.0 0.2 -13.4 15.0 2.1 5.2 22.3 25.2
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt Provisions Other long term liabilities Total Long Term Liabilities Short term interest bearing debt Trade payables Other current liabilities Total Current Liabilities Total Liabilities and Shareholders' Equity Net Capital Employed Net Working Capital	2.7 2.1  12/2015  0.4  8.7  0.0  9.1  0.0  5.3  3.3  -15.2  23.9  33.0  19.1  0.0  19.1  -4.1  0.0  0.4  -3.7  10.0  2.1  5.5  17.5  32.9  10.2  3.2	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2 0.0 0.3 -6.9 11.0 1.4 5.4 17.8 27.0 9.4 3.6	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2 0.0 0.2 -9.0 12.0 1.5 5.2 18.7 25.0 9.4 3.6	-5.4 -1.6  12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8 0.0 0.2 -9.6 13.0 1.3 5.2 19.5 24.7 9.1 3.1	-2.5 0.8  12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3 -5.6 12.5 22.9 13.7 0.0 13.7 -11.8 0.0 0.2 -11.6 14.0 1.6 5.2 20.8 22.9 10.5 3.9	3.9  12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3 0.0 16.3 -13.6 0.0 0.2 -13.4 15.0 2.1 5.2 22.3 25.2 12.3 5.1
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt Provisions Other long term liabilities Total Long Term Liabilities Short term interest bearing debt Trade payables Other current liabilities Total Current Liabilities Total Liabilities and Shareholders' Equity Net Capital Employed Net Working Capital  GROWTH & MARGINS	2.7 2.1  12/2015 0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1 0.0 19.1 -4.1 0.0 0.4 -3.7 10.0 2.1 5.5 17.5 32.9 10.2	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2 0.0 0.3 -6.9 11.0 1.4 5.4 17.8 27.0 9.4 3.6	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2 0.0 0.2 -9.0 12.0 1.5 5.2 18.7 25.0 9.4	-5.4 -1.6  12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8 0.0 0.2 -9.6 13.0 1.3 5.2 19.5 24.7 9.1	-2.5 0.8  12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3 -5.6 12.5 22.9 13.7 0.0 13.7 -11.8 0.0 0.2 -11.6 14.0 1.6 5.2 20.8 22.9 10.5	3.9  12/2020e  1.4  9.6  0.0  11.1  0.0  7.3  1.3  -5.6  14.2  25.2  16.3  0.0  16.3  -13.6  0.0  0.2  -13.4  15.0  2.1  5.2  22.3  25.2  12.3  5.1
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt Provisions Other long term liabilities Total Long Term Liabilities Short term interest bearing debt Trade payables Other current liabilities Total Current Liabilities Total Liabilities and Shareholders' Equity Net Capital Employed Net Working Capital	2.7 2.1  12/2015  0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1 0.0 19.1 -4.1 0.0 0.4 -3.7 10.0 2.1 5.5 17.5 32.9 10.2 3.2	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2 0.0 0.3 -6.9 11.0 1.4 5.4 17.8 27.0 9.4 3.6	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2 0.0 0.2 -9.0 12.0 1.5 5.2 18.7 25.0 9.4 3.6	-5.4 -1.6  12/2018e  0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8 0.0 0.2 -9.6 13.0 1.3 5.2 19.5 24.7 9.1 3.1	-2.5 0.8  12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3 -5.6 12.5 22.9 13.7 0.0 13.7 -11.8 0.0 0.2 -11.6 14.0 1.6 5.2 20.8 22.9 10.5 3.9	3.9  12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3 0.0 16.3 -13.6 0.0 0.2 -13.4 15.0 2.1 5.2 22.3 25.2 12.3 5.1
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm) Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt Provisions Other long term liabilities Total Long Term Liabilities Short term interest bearing debt Trade payables Other current liabilities Total Current Liabilities Total Liabilities and Shareholders' Equity Net Capital Employed Net Working Capital  GROWTH & MARGINS Sales growth	2.7 2.1  12/2015  0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1 0.0 19.1 -4.1 0.0 0.4 -3.7 10.0 2.1 5.5 17.5 32.9 10.2 3.2	-3.7 0.6 12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2 0.0 0.3 -6.9 11.0 1.4 5.4 17.8 27.0 9.4 3.6	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2 0.0 0.2 -9.0 12.0 1.5 5.2 18.7 25.0 9.4 3.6	-5.4 -1.6  12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8 0.0 0.2 -9.6 13.0 1.3 5.2 19.5 24.7 9.1 3.1	-2.5 0.8  12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3 -5.6 12.5 22.9 13.7 0.0 13.7 -11.8 0.0 0.2 -11.6 14.0 1.6 5.2 20.8 22.9 10.5 3.9	3.9  12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3 0.0 16.3 -13.6 0.0 0.2 -13.4 15.0 2.1 5.2 22.3 25.2 12.3 5.1  12/2020e 30.2%
Change in Net Debt NOPLAT  BALANCE SHEET & OTHER ITEMS (EURm)  Net Tangible Assets Net Intangible Assets (incl.Goodwill) Net Financial Assets & Other Total Fixed Assets Inventories Trade receivables Other current assets Cash (-) Total Current Assets Total Assets Shareholders Equity Minority Total Equity Long term interest bearing debt Provisions Other long term liabilities Total Long Term Liabilities Short term interest bearing debt Trade payables Other current liabilities Total Current Liabilities Total Liabilities and Shareholders' Equity Net Capital Employed Net Working Capital  GROWTH & MARGINS Sales growth EBITDA (adj.)* growth	2.7 2.1  12/2015  0.4 8.7 0.0 9.1 0.0 5.3 3.3 -15.2 23.9 33.0 19.1 0.0 19.1 -4.1 0.0 0.4 -3.7 10.0 2.1 5.5 17.5 32.9 10.2 3.2  12/2015 -7.5% n.m.	-3.7 0.6  12/2016 0.6 8.8 0.0 9.4 0.0 5.1 1.7 -10.9 17.7 27.1 16.1 0.0 16.1 -7.2 0.0 0.3 -6.9 11.0 1.4 5.4 17.8 27.0 9.4 3.6	-0.9 1.8  12/2017 0.6 8.9 0.0 9.6 0.0 5.2 1.3 -8.9 15.5 25.0 15.3 0.0 15.3 -9.2 0.0 0.2 -9.0 12.0 1.5 5.2 18.7 25.0 9.4 3.6	-5.4 -1.6  12/2018e 0.8 9.0 0.0 9.8 0.0 4.5 1.3 -9.1 14.9 24.7 14.8 0.0 14.8 -9.8 0.0 0.2 -9.6 13.0 1.3 5.2 19.5 24.7 9.1 3.1  12/2018e -11.0% n.m.	-2.5 0.8  12/2019e 1.1 9.3 0.0 10.4 0.0 5.6 1.3 -5.6 12.5 22.9 13.7 0.0 13.7 -11.8 0.0 0.2 -11.6 14.0 1.6 5.2 20.8 22.9 10.5 3.9  12/2019e 24.8% n.m.	3.9  12/2020e 1.4 9.6 0.0 11.1 0.0 7.3 1.3 -5.6 14.2 25.2 16.3 0.0 16.3 -13.6 0.0 0.2 -13.4 15.0 2.1 5.2 22.3 25.2 12.3 5.1  12/2020e 30.2% 329.2%





Intershop Communications AG: Summary
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intersnop communications AG:	ouiiiiiai y	LUDICS				
GROWTH & MARGINS	12/2015	12/2016	12/2017	12/2018e	12/2019e	12/2020e
Net Profit growth	n.m.	n.m.	n.m.	n.m.	n.m.	n.m.
EPS adj. growth	n.m.	n.m.	n.m.	n.m.	n.m.	n.m.
DPS adj. growth						
EBITDA (adj)* margin	8.1%	3.3%	7.9%	n.m.	3.5%	11.5%
EBITA (adj)* margin	7.1%	2.5%	7.2%	-7.2%	2.7%	10.7%
EBIT (adj)* margin	7.1%	2.5%	7.2%	n.m.	2.7%	10.7%
RATIOS	12/2015	12/2016	12/2017	12/2018e	12/2019e	12/2020e
Net Debt/Equity	-0.5	-0.4	-0.4	-0.4	-0.2	-0.3
Net Debt/EBITDA	-2.7	-63.1	-2.2	2.3	-2.5	-0.7
Interest cover (EBITDA/Fin.interest)	23.2	0.4	8.5	n.m.	10.1	63.2
Capex/D&A	557.8%	1048.1%	1034.3%	1063.4%	1050.8%	818.7%
Capex/Sales	5.4%	8.2%	7.3%	8.5%	8.0%	6.8%
NWC/Sales	7.6%	10.6%	10.2%	9.8%	9.8%	9.8%
ROE (average)	0.0%	-13.0%	-4.2%	-35.1%	-8.0%	17.6%
ROCE (adj.)	17.4%	4.5%	13.7%	-12.5%	5.3%	23.9%
WACC	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%
ROCE (adj.)/WACC	1.7	0.5	1.4	-1.3	0.5	2.4
PER SHARE DATA (EUR)***	12/2015	12/2016	12/2017	12/2018e	12/2019e	12/2020e
Average diluted number of shares	30.6	31.7	31.7	34.9	34.9	34.9
EPS (reported)	0.00	-0.09	-0.02	-0.16	-0.03	0.08
EPS (adj.)	0.00	-0.07	-0.02	-0.15	-0.03	0.08
BVPS	0.62	0.51	0.48	0.43	0.39	0.47
DPS	0.00	0.00	0.00	0.00	0.00	0.00
VALUATION	12/2015	12/2016	12/2017	12/2018e	12/2019e	12/2020e
EV/Sales	0.7	0.8	1.4	1.3	1.1	0.9
EV/EBITDA	8.3	n.m.	17.7	n.m.	32.9	7.5
	8.3 <b>8.3</b>					
EV/EBITDA  EV/EBITDA (adj.)*  EV/EBITA	8.3 <b>8.3</b> 9.4	n.m. <b>24.8</b> -178.1	17.7 <b>17.7</b> 19.4	n.m. <b>n.m.</b> -15.3	32.9 <b>32.9</b> 42.0	7.5 <b>7.5</b> 8.1
EV/EBITDA (adj.)*	8.3	24.8	17.7	n.m.	32.9	7.5
EV/EBITDA (adj.)* EV/EBITA	<b>8.3</b> 9.4	<b>24.8</b> -178.1	<b>17.7</b> 19.4	<b>n.m.</b> -15.3	<b>32.9</b> 42.0	<b>7.5</b> 8.1
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT	<b>8.3</b> 9.4 <b>9.4</b>	<b>24.8</b> -178.1 <b>32.7</b>	<b>17.7</b> 19.4 <b>19.4</b>	<b>n.m.</b> -15.3 <b>-18.6</b>	<b>32.9</b> 42.0 <b>42.0</b>	<b>7.5</b> 8.1 <b>8.1</b>
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)*	<b>8.3</b> 9.4 <b>9.4</b> 9.4	24.8 -178.1 32.7 n.m.	<b>17.7</b> 19.4 <b>19.4</b> 19.4	<b>n.m.</b> -15.3 <b>-18.6</b> n.m.	<b>32.9</b> 42.0 <b>42.0</b> 42.0	<b>7.5</b> 8.1 <b>8.1</b> 8.1
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)*	8.3 9.4 9.4 9.4 9.4	24.8 -178.1 32.7 n.m. 32.7	<b>17.7</b> 19.4 <b>19.4</b> 19.4 <b>19.4</b>	<b>n.m.</b> -15.3 <b>-18.6</b> n.m. <b>n.m.</b>	<b>32.9</b> 42.0 <b>42.0</b> 42.0 <b>42.0</b>	<b>7.5</b> 8.1 <b>8.1</b> 8.1 <b>8.1</b>
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.)	8.3 9.4 9.4 9.4 9.4 n.m.	24.8 -178.1 32.7 n.m. 32.7 n.m.	17.7 19.4 19.4 19.4 19.4 n.m.	n.m. -15.3 -18.6 n.m. n.m.	32.9 42.0 42.0 42.0 42.0 n.m.	7.5 8.1 8.1 8.1 8.1 18.5
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.)	8.3 9.4 9.4 9.4 9.4 n.m. 2.0	24.8 -178.1 32.7 n.m. 32.7 n.m.	17.7 19.4 19.4 19.4 19.4 n.m. 3.7	n.m. -15.3 -18.6 n.m. n.m. n.m.	32.9 42.0 42.0 42.0 42.0 n.m. 3.6	7.5 8.1 8.1 8.1 8.1 18.5 3.0
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.) P/BV Total Yield Ratio	8.3 9.4 9.4 9.4 9.4 n.m. 2.0 0.0%	24.8 -178.1 32.7 n.m. 32.7 n.m. 2.2 0.0%	17.7 19.4 19.4 19.4 19.4 n.m. 3.7 0.0%	n.m. -15.3 -18.6 n.m. n.m. n.m. 3.3 0.0%	32.9 42.0 42.0 42.0 42.0 n.m. 3.6 0.0%	7.5 8.1 8.1 8.1 18.5 3.0 0.0%
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.) P/BV Total Yield Ratio EV/CE	8.3 9.4 9.4 9.4 9.4 n.m. 2.0 0.0% 2.3	24.8 -178.1 32.7 n.m. 32.7 n.m. 2.2 0.0% 2.1	17.7 19.4 19.4 19.4 19.4 n.m. 3.7 0.0% 3.8	n.m. -15.3 -18.6 n.m. n.m. 3.3 0.0% 3.3	32.9 42.0 42.0 42.0 42.0 n.m. 3.6 0.0% 3.2	7.5 8.1 8.1 8.1 8.1 18.5 3.0 0.0% 2.8
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.) P/BV Total Yield Ratio EV/CE OpFCF yield	8.3 9.4 9.4 9.4 9.4 n.m. 2.0 0.0% 2.3 7.0%	24.8 -178.1 32.7 n.m. 32.7 n.m. 2.2 0.0% 2.1 -10.6%	17.7 19.4 19.4 19.4 19.4 n.m. 3.7 0.0% 3.8 -1.6%	n.m. -15.3 -18.6 n.m. n.m. 3.3 0.0% 3.3 -10.9%	32.9 42.0 42.0 42.0 42.0 n.m. 3.6 0.0% 3.2 -5.1%	7.5 8.1 8.1 8.1 18.5 3.0 0.0% 2.8 1.6%
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.) P/BV Total Yield Ratio EV/CE OpFCF yield OpFCF/EV	8.3 9.4 9.4 9.4 9.4 n.m. 2.0 0.0% 2.3 7.0% 9.3%	24.8 -178.1 32.7 n.m. 32.7 n.m. 2.2 0.0% 2.1 -10.6% -13.3%	17.7 19.4 19.4 19.4 19.4 n.m. 3.7 0.0% 3.8 -1.6% -1.8%	n.m. -15.3 -18.6 n.m. n.m. 3.3 0.0% 3.3 -10.9% -12.5%	32.9 42.0 42.0 42.0 42.0 n.m. 3.6 0.0% 3.2 -5.1% -5.5%	7.5 8.1 8.1 8.1 18.5 3.0 0.0% 2.8 1.6% 1.8%
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.) P/BV Total Yield Ratio EV/CE OpFCF yield OpFCF/EV Payout ratio Dividend yield (gross)	8.3 9.4 9.4 9.4 9.4 n.m. 2.0 0.0% 2.3 7.0% 9.3% 0.0% 0.0%	24.8 -178.1 32.7 n.m. 32.7 n.m. 2.2 0.0% 2.1 -10.6% -13.3% 0.0% 0.0%	17.7 19.4 19.4 19.4 19.4 n.m. 3.7 0.0% 3.8 -1.6% -1.8% 0.0%	n.m. -15.3 -18.6 n.m. n.m. 3.3 0.0% 3.3 -10.9% -12.5% 0.0%	32.9 42.0 42.0 42.0 42.0 n.m. 3.6 0.0% 3.2 -5.1% -5.5% 0.0% 0.0%	7.5 8.1 8.1 8.1 18.5 3.0 0.0% 2.8 1.6% 1.8% 0.0% 0.0%
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.) P/BV Total Yield Ratio EV/CE OpFCF yield OpFCF/EV Payout ratio Dividend yield (gross)  EV AND MKT CAP (EURm)	8.3 9.4 9.4 9.4 9.4 n.m. 2.0 0.0% 2.3 7.0% 9.3% 0.0%	24.8 -178.1 32.7 n.m. 32.7 n.m. 2.2 0.0% 2.1 -10.6% -13.3% 0.0%	17.7 19.4 19.4 19.4 19.4 n.m. 3.7 0.0% 3.8 -1.6% -1.8% 0.0%	n.m. -15.3 -18.6 n.m. n.m. 3.3 0.0% 3.3 -10.9% -12.5% 0.0%	32.9 42.0 42.0 42.0 42.0 n.m. 3.6 0.0% 3.2 -5.1% -5.5% 0.0%	7.5 8.1 8.1 8.1 18.5 3.0 0.0% 2.8 1.6% 1.8% 0.0%
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.) P/BV Total Yield Ratio EV/CE OpFCF yield OpFCF/EV Payout ratio Dividend yield (gross)  EV AND MKT CAP (EURm) Price** (EUR)	8.3 9.4 9.4 9.4 9.4 n.m. 2.0 0.0% 2.3 7.0% 9.3% 0.0% 0.0%	24.8 -178.1 32.7 n.m. 32.7 n.m. 2.2 0.0% 2.1 -10.6% -13.3% 0.0% 0.0%	17.7 19.4 19.4 19.4 19.4 n.m. 3.7 0.0% 3.8 -1.6% -1.8% 0.0% 0.0%	n.m. -15.3 -18.6 n.m. n.m. 3.3 0.0% 3.3 -10.9% -12.5% 0.0% 0.0%	32.9 42.0 42.0 42.0 42.0 n.m. 3.6 0.0% 3.2 -5.1% -5.5% 0.0% 0.0%	7.5 8.1 8.1 8.1 18.5 3.0 0.0% 2.8 1.6% 1.8% 0.0% 0.0%
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.) P/BV Total Yield Ratio EV/CE OpFCF yield OpFCF/EV Payout ratio Dividend yield (gross)  EV AND MKT CAP (EURm) Price** (EUR) Outstanding number of shares for main stock	8.3 9.4 9.4 9.4 9.4 n.m. 2.0 0.0% 2.3 7.0% 9.3% 0.0% 0.0%	24.8 -178.1 32.7 n.m. 32.7 n.m. 2.2 0.0% 2.1 -10.6% -13.3% 0.0% 0.0%  12/2016	17.7 19.4 19.4 19.4 19.4 19.4 n.m. 3.7 0.0% 3.8 -1.6% -1.8% 0.0% 0.0%	n.m15.3 -18.6 n.m. n.m. n.m. 3.3 0.0% 3.3 -10.9% -12.5% 0.0% 0.0%	32.9 42.0 42.0 42.0 42.0 n.m. 3.6 0.0% 3.2 -5.1% -5.5% 0.0% 0.0%	7.5 8.1 8.1 8.1 18.5 3.0 0.0% 2.8 1.6% 0.0% 0.0%
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.) P/BV Total Yield Ratio EV/CE OpFCF yield OpFCF/EV Payout ratio Dividend yield (gross)  EV AND MKT CAP (EURm) Price** (EUR)	8.3 9.4 9.4 9.4 9.4 n.m. 2.0 0.0% 2.3 7.0% 9.3% 0.0% 0.0% 12/2015 1.24 30.6	24.8 -178.1 32.7 n.m. 32.7 n.m. 2.2 0.0% 2.1 -10.6% -13.3% 0.0% 0.0%  12/2016 1.10 31.7	17.7 19.4 19.4 19.4 19.4 19.4 n.m. 3.7 0.0% 3.8 -1.6% -1.8% 0.0% 0.0%  12/2017 1.78 31.7	n.m15.3 -18.6 n.m. n.m. n.m. 3.3 0.0% 3.3 -10.9% -12.5% 0.0% 0.0%  12/2018e 1.41 34.9	32.9 42.0 42.0 42.0 42.0 n.m. 3.6 0.0% 3.2 -5.1% -5.5% 0.0% 0.0%  12/2019e 1.41 34.9	7.5 8.1 8.1 8.1 18.5 3.0 0.0% 2.8 1.6% 1.8% 0.0% 0.0%
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.) P/BV Total Yield Ratio EV/CE OpFCF yield OpFCF/EV Payout ratio Dividend yield (gross)  EV AND MKT CAP (EURm) Price** (EUR) Outstanding number of shares for main stock Total Market Cap	8.3 9.4 9.4 9.4 9.4 n.m. 2.0 0.0% 2.3 7.0% 9.3% 0.0% 0.0% 12/2015 1.24 30.6 38	24.8 -178.1 32.7 n.m. 32.7 n.m. 2.2 0.0% 2.1 -10.6% -13.3% 0.0% 0.0%  12/2016 1.10 31.7 35	17.7 19.4 19.4 19.4 19.4 19.4 n.m. 3.7 0.0% 3.8 -1.6% -1.8% 0.0% 0.0%  12/2017 1.78 31.7 56	n.m15.3 -18.6 n.m. n.m. n.m. 3.3 0.0% 3.3 -10.9% -12.5% 0.0% 0.0%  12/2018e 1.41 34.9 49	32.9 42.0 42.0 42.0 42.0 n.m. 3.6 0.0% 3.2 -5.1% -5.5% 0.0% 0.0%  12/2019e 1.41 34.9 49	7.5 8.1 8.1 8.1 18.5 3.0 0.0% 2.8 1.6% 1.8% 0.0% 0.0% 12/2020e 1.41 34.9
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.) P/BV Total Yield Ratio EV/CE OpFCF yield OpFCF/EV Payout ratio Dividend yield (gross)  EV AND MKT CAP (EURm) Price** (EUR) Outstanding number of shares for main stock Total Market Cap Net Debt	8.3 9.4 9.4 9.4 9.4 n.m. 2.0 0.0% 2.3 7.0% 9.3% 0.0% 0.0%  12/2015 1.24 30.6 38 -9	24.8 -178.1 32.7 n.m. 32.7 n.m. 2.2 0.0% 2.1 -10.6% -13.3% 0.0% 0.0%  12/2016 1.10 31.7 35 -7	17.7 19.4 19.4 19.4 19.4 n.m. 3.7 0.0% 3.8 -1.6% -1.8% 0.0% 0.0%  12/2017 1.78 31.7 56 -6	n.m15.3 -18.6 n.m. n.m. n.m. 3.3 0.0% 3.3 -10.9% -12.5% 0.0% 0.0%  12/2018e 1.41 34.9 49 -6	32.9 42.0 42.0 42.0 42.0 n.m. 3.6 0.0% 3.2 -5.1% -5.5% 0.0% 0.0%  12/2019e 1.41 34.9 49 -3	7.5 8.1 8.1 8.1 18.5 3.0 0.0% 2.8 1.6% 1.8% 0.0% 0.0%  12/2020e 1.41 34.9 49 -4
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.) P/BV Total Yield Ratio EV/CE OpFCF yield OpFCF/EV Payout ratio Dividend yield (gross)  EV AND MKT CAP (EURm) Price** (EUR) Outstanding number of shares for main stock Total Market Cap Net Debt o/w Cash & Marketable Securities (-)	8.3 9.4 9.4 9.4 9.4 n.m. 2.0 0.0% 2.3 7.0% 9.3% 0.0% 0.0%  12/2015 1.24 30.6 38 -9 -15	24.8 -178.1 32.7 n.m. 32.7 n.m. 2.2 0.0% 2.1 -10.6% -13.3% 0.0% 0.0%  12/2016 1.10 31.7 35 -7 -11	17.7 19.4 19.4 19.4 19.4 n.m. 3.7 0.0% 3.8 -1.6% -1.8% 0.0% 0.0%  12/2017 1.78 31.7 56 -6 -9	n.m15.3 -18.6 n.m. n.m. n.m. 3.3 0.0% 3.3 -10.9% -12.5% 0.0% 0.0%  12/2018e 1.41 34.9 49 -6 -9	32.9 42.0 42.0 42.0 42.0 n.m. 3.6 0.0% 3.2 -5.1% -5.5% 0.0% 0.0%  12/2019e 1.41 34.9 49 -3 -6	7.5 8.1 8.1 8.1 18.5 3.0 0.0% 2.8 1.6% 1.8% 0.0% 0.0% 12/2020e 1.41 34.9 49 -4 -6
EV/EBITDA (adj.)* EV/EBITA EV/EBITA (adj.)* EV/EBIT EV/EBIT (adj.)* P/E (adj.) P/BV Total Yield Ratio EV/CE OpFCF yield OpFCF/EV Payout ratio Dividend yield (gross)  EV AND MKT CAP (EURm) Price** (EUR) Outstanding number of shares for main stock Total Market Cap Net Debt o/w Cash & Marketable Securities (-) o/w Gross Debt (+)	8.3 9.4 9.4 9.4 9.4 n.m. 2.0 0.0% 2.3 7.0% 9.3% 0.0% 0.0%  12/2015 1.24 30.6 38 -9 -15 6	24.8 -178.1 32.7 n.m. 32.7 n.m. 2.2 0.0% 2.1 -10.6% -13.3% 0.0% 0.0%  12/2016 1.10 31.7 35 -7 -11 4	17.7 19.4 19.4 19.4 19.4 n.m. 3.7 0.0% 3.8 -1.6% -1.8% 0.0% 0.0%  12/2017 1.78 31.7 56 -6 -9 3	n.m15.3 -18.6 n.m. n.m. n.m. 3.3 0.0% 3.3 -10.9% -12.5% 0.0% 0.0%  12/2018e 1.41 34.9 49 -6 -9 3	32.9 42.0 42.0 42.0 42.0 n.m. 3.6 0.0% 3.2 -5.1% -5.5% 0.0% 0.0%  12/2019e 1.41 34.9 49 -3 -6 2	7.5 8.1 8.1 8.1 18.5 3.0 0.0% 2.8 1.6% 0.0% 0.0% 12/2020e 1.41 34.9 49 -4 -6 1

#### Notes

Sector: Software & Computer Services/Software & Computer Services

Company Description: Intershop Communications AG engages in the provision of integrated enterprise solutions for omni-channel commerce. It operates through the following geographical segments: Europe, USA, Asia and Pacific, and Consolidation. The Europe segment refers to the sales activities of INTERSHOP Communications AG, Intershop Communications LTD and Intershop Communications SARL. The USA segment consist of the sales activities of Intershop Communications Inc. in North America as well as the sales activities of INTERSHOP Communications AG in this region. The Asia and Pacific segment includes the sales activities of the Group in that region, including the sales activities of INTERSHOP Communications Australia Pty Ltd. and Intershop Communications Asia Limited. The Consolidation segment relates to transaction in the individual segments. The company was founded in 1992 and is headquartered in Jena, Germany.



<sup>\*</sup> Where EBITDA (adj.) or EBITA (adj)= EBITDA (or EBITA) -/+ Non Recurrent Expenses/Income and where EBIT (adj)= EBIT-/+ Non Recurrent Expenses/Income - PPA amortisation
\*\*Price (in local currency): Fiscal year end price for Historical Years and Current Price for current and forecasted years



# **Recommendations and Disclosures**

Coverage	Analyst	Target	Rating	Disc.	Coverage	Analyst	Target	Rating	Disc.
1&1DRILLISCHAG	Sen	66.00	Buy		Logwin	Mildner	150.00	Accumulate	2/3
2GEnergy	Rüzgar	23.50	Accumulate	2/3/5	Manz AG	Rüzgar	35.00	Buy	2/3
Aareal Bank	Häßler	41.00	Buy		MAXAutomation SE	Becker	6.70	Buy	2/3
adidas	Josefson	228.00	Accumulate		Merck	Berzhanin	112.00	Buy	
Adler Modemaerkt e	Josefson	4.15	Buy	7	Merkur Bank	Häßler	10.00	Buy	2/7
ADLER Real Estate	Mayer	20.00	Buy		Metro AG	Bruns	17.00	Buy	
Aixtron	Sen	14.00	Buy	2/3	MLP	Häßler	7.50	Buy	2/3
Allianz	Häßler	220.00	Buy		MTU Aero Engines	Rüzgar	155.00	Reduce	2
Axel Springer	Josefson	67.00	Accumulate		Munich Re	Häßler	210.00	Accumulate	
Bayer	Berzhanin	96.00	Buy		Nemetschek SE	Mildner	47.00	Reduce	5
Baywa	Bruns	32.00	Buy	2/7	Norma Group	Schuldt	51.00	Neutral	
BB Biot ech	Berzhanin	73.00	Buy	7	OHBSE	Rüzgar	40.00	Buy	7
Biotest	Berzhanin	22.10	Neutral	2/3	OVB Holding AG	Häßler	20.00	Buy	2/5/7
BMW	Schuldt	100.00	Buy		Patrizia	Mayer	20.00	Accumulate	
Brenntag	Hinkel	53.00	Buy	2	Pfeiffer Vacuum	Sen	162.00	Buy	5
Ceconomy AG	Bruns	5.00	Neutral		Procredit Holding	Häßler	15.00	Buy	2/3/5
comdirect	Häßler	12.30	Buy	7	PSISOFTWAREAG	Mildner	20.60	Buy	2/3
Commerzbank	Häßler	9.20	Neutral		Puma	Josefson	565.00	Buy	
Continental	Schuldt	195.00	Buy		PWO	Schuldt	36.00	Buy	2/3
CORESTATE Capital Holding S.A.	Mayer	66.00	Buy	2/5	Rheinmetall	Rüzgar	80.00	Neutral	
CTS Eventim	Heilmann	40.00	Buy		RIB Software	Mildner	21.00	Buy	2/3
Daimler AG	Schuldt	63.00	Buy		RTL Group	Josefson	62.00	Buy	
Daldrup & Soehne	Becker	13.50	Buy	2/3/5	S&TAG	Sen	27.00	Buy	2/3
Demire	Mayer	4.80	Accumulate	2/5	SAF-Holland	Schuldt	13.80	Accumulate	
Deut sche Bank	Häßler	14.00	Buy		Schaeffler	Tanzer	13.00	Buy	
Deut sche Euro Shop	Mayer	30.00	Neutral		Schaltbau Holding AG	Becker	32.50	Buy	2/7
Deut sche Pf andbrief bank	Häßler	14.50	Accumulate		SCOUT24	Heilmann	44.00	Neutral	2
Deut sche Telekom	Sen	13.30	Neutral		Siegfried Holding AG	Berzhanin	399.00	Neutral	7
Duerr	Augustin	30.00	Neutral		SiemensHealthineersAG	Rüzgar	39.00	Neutral	2
DWS	Häßler	30.00	Buy		SLM Solutions	Sen	15.00	Sell	
ElringKlinger	Schuldt	5.50	Sell		SMTScharf AG	Rüzgar	14.50	Neutral	2/3
elumeo SE	Josefson	10.90	Accumulate		Software AG	Mildner	30.00	Sell	
EpigenomicsAG	Berzhanin	3.80	Buy	2/3	Stabilus	Tanzer	80.00	Buy	
Euromicron AG	Becker	8.90	Buy	2/3/5	Suedzucker	Bruns	11.70	Reduce	
Evonik	Hinkel	37.00	Buy		SuessMicroTec	Sen	13.80	Accumulate	
Eyemaxx Real Estate	Mayer	18.00	Buy	2/5/7	Surteco Group	Mildner	22.00	Neutral	2/3
Ferratum	Häßler	23.00	Buy		Symrise AG	Hinkel	67.00	Neutral	
Fielmann	Heilmann	55.00	Neutral		Syzygy AG	Heilmann	10.70	Buy	2/3
First Sensor AG	Becker	27.50	Buy	7	TAKKTAG	Bruns	20.00	Buy	2
Freenet	Sen	36.00	Buy	2	Talanx Group	Häßler	37.00	Buy	
FuchsPetrolub	Hinkel	50.00	Buy		Technotrans	Becker	39.60	Buy	2/3
Gea Group	Augustin	25.00	Neutral		TELECOLUMBUS	Sen	4.80	Buy	
Gerresheimer AG	Rüzgar	69.00	Neutral		Telefonica Deutschland	Sen	3.40	Sell	
Gerry Weber	Josefson	2.18	Neutral		UnitedInternet	Sen	63.00	Buy	
Gesco	Becker	35.60	Buy	2/3	Vapiano	Bruns	20.00	Buy	2/7
GFTTechnologies	Mildner	13.40	Buy	2/3	va-Q-tec	Sen	12.00	Buy	2/3
Gigaset	Sen	0.85	Accumulate	2/3	Viscom	Rüzgar	22.00	Buy	2/3
Grenke	Häßler	90.00	Neutral		Volkswagen	Schuldt	154.00	Neutral	
Hannover Re	Häßler	110.00	Neutral		Wacker Neuson SE	Becker	24.10	Neutral	
Heidelberg Pharma	Berzhanin	3.50	Accumulate	2/3	windeln.de	Josefson	3.10	Buy	2
Heidelberger Druck	Augustin	2.90	Buy		XINGSE	Heilmann	305.00	Accumulate	
HELLA GmbH & Co. KGaA	Tanzer	51.00	Accumulate		Zalando	Josef son	44.50	Neutral	
Hornbach Holding	Bruns	89.00	Buy						
Hugo Boss	Josefson	80.00	Buy						
Hypoport AG	Häßler	190.00	Neutral	2/7					
INDUS Holding AG	Becker	55.70	Neutral						
Intershop Communications AG	Mildner	1.75	Buy	2/7					
K+SAG	Hinkel	24.00	Buy						
Koenig & Bauer	Augustin	44.00	Neutral						
KronesAG	Augustin	90.00	Accumulate						
KWS SAAT	Hinkel	353.00	Buy						
Lanxess	Hinkel	83.00	Buy						
LEGImmobilien AG	Mayer	105.00	Neutral						
			A 1 - 4 -						
Leoni	Schuldt	34.00	Accumulate						

\*=Coverage suspended Source: equinet Recommendations





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Buy - The stock is expected to generate a total return of over 20% during the next 12 months time horizon.

Accumulate - The stock is expected to generate a total return of 10% to 20% during the next 12 months time horizon.

Hold - The stock is expected to generate a total return of 0% to 10% during the next 12 months time horizon.

Reduce - The stock is expected to generate a total return of 0 to -10% during the next 12 months time horizon.

Sell - The stock is expected to generate a total return below -10% during the next 12 months time horizon.

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#### Share prices

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#### Sources

Equinet Bank has made any effort to carefully research all information contained in the analysis. The information on which the analysis is based has been obtained from sources which we believe to be reliable such as, for example, Reuters, Bloomberg and the relevant press as well as the company which is the subject of the analysis. Only that part of the research note is made available to the issuer, who is the subject of the analysis, which is necessary to properly reconcile with the facts. Should this result in considerable changes a reference is made in the research note.

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### Recommendation history for INTERSHOP COMMUNICATIONS AG

Date	Recommendation	Target price	Price at change date
19. Nov 18	Buy	1.75	1.41
25. Jun 18	Accumulate	1.85	1.71

Source: Factset & ESN, price data adjusted for stock splits.

This chart shows equinet Bank continuing coverage of this stock; the current analyst may or may not have covered it over the entire period. Current analyst: Dustin Mildner (since 25/06/2018)







# **ESN Recommendation System**

The ESN Recommendation System is **Absolute**. It means that each stock is rated on the basis of a **total return**, measured by the upside potential (including dividends and capital reimbursement) over a **12 month time horizon**.



The ESN spectrum of recommendations (or ratings) for each stock comprises 5 categories: Buy (B), Accumulate (A), Neutral (N), Reduce (R) and Sell (S).

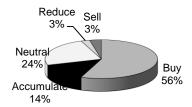
Furthermore, in specific cases and for a limited period of time, the analysts are allowed to rate the stocks as **Rating Suspended (RS)** or **Not Rated (NR)**, as explained below.

#### Meaning of each recommendation or rating:

- **Buy**: the stock is expected to generate total return of **over 15%** during the next 12 months time horizon
- Accumulate: the stock is expected to generate total return of 5% to 15% during the next 12 months time horizon
- Neutral: the stock is expected to generate total return of -5% to +5% during the next 12 months time horizon
- Reduce: the stock is expected to generate total return of -5% to -15% during the next 12 months time horizon
- Sell: the stock is expected to generate total return under -15% during the next 12 months time horizon
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Certain flexibility on the limits of total return bands is permitted especially during higher phases of volatility on the markets

**Equinet Bank Ratings Breakdown** 



For full ESN Recommendation and Target price history (in the last 12 months) please see ESN Website Link

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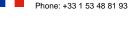


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