Q1 review: Making progress

After a very good Q1, we reviewed our assumptions regarding cloud order entry for 2020, the long-term churn rate and cost management. As a result, we now expect Intershop to break even already in 2020 and raised the fair value per share from EUR 2.50 per share to EUR 3.70. The recommendation remains "Buy".

Blow-out Q1 numbers

Intershop today reports Q1 numbers that are in almost every aspect significantly better than expected. Highlights were incoming cloud orders that more than tripled and a positive EBIT of EUR 0.3m, as the cost reduction program completed in 2019 obviously bore fruit.

Adjusting our forecasts upwards

Within our company model, we now incorporated a more positive view on the cloud order entry for 2020, the long-term churn rate and cost management. As a result, we now expect Intershop to break even already in 2020 instead of 2022 previously and to achieve a net result of EUR 2.2m by 2022.

Raising our target price to EUR 3.70, keeping our buy rating

All in, we raise the fair value per share from EUR 2.50 per share to now EUR 3.70. Thus, we stick to our "Buy" recommendation despite the recent share price rally. Notwithstanding, Intershop remains a risky stock for investors with appetite for a binary investment case and enough confidence in the sustainable success of Intershop's cloud solutions.

EURm	2018	2019	2020e	2021e	2022 e
Revenues	31	32	32	35	40
EBITDA	(4)	(2)	5	5	7
EBIT	(6)	(6)	1	1	2
EPS	(0.20)	(0.48)	0.03	0.06	0.15
EPS adj	(0.19)	(0.44)	0.03	0.06	0.15
DPS	-	-	-	-	-
EV/EBITDA	-	-	8.1	7.4	5.5
EV/EBIT	-	-	72.0	43.6	16.4
P/E adj	-	-	-	53.0	20.5
P/B	10.06	2.71	2.77	2.64	2.34
ROE (%)	-	-	2.8	5.1	12.1
Div yield (%)	-	-	-	-	-
Net debt	(4)	(6)	(7)	(7)	(9)

Source: Pareto



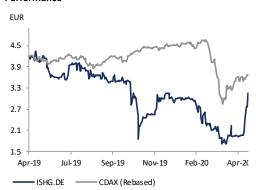
Target price (EUR)	3.7
Share price (EUR)	3.2

Forecast changes			
%	2020e	2021e	2022e
Revenues	2	4	6
EBITDA	89	65	37
EBIT adj	NM	NM	NM
EPS reported	NM	NM	NM
EPS adj	NM	NM	NM

Source: Pareto

Ticker	ISHG.DE, ISH2 GY
Sector	Software & Services
Shares fully diluted (m)	14.2
Market cap (EURm)	45
Net debt (EURm)	-7
Minority interests (EURm)	0
Enterprise value 20e (EURm)	38
Free float (%)	51

Performance



Source: Factset

Pareto Securities AS has been paid by the issuer to produce this research report. This material is considered by Pareto Securities to qualify as an acceptable minor non-monetary benefit according to the EU MIFID 2 directive.

Analysts

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Wrap-up Q1 report

Exhibit 1: Overview Q1 numbers

		Actual		Pare	eto
	Q1 2019	Q1 2020	yoy (%)	Q1 2020	Delta
EURm	7.3	8.4	15.3	7.8	8.4
	0.6	1.1	68.2	0.6	68.2
	2.0	2.0	0.7	2.0	1.7
	1.5	1.7	19.1	1.8	<i>-5.3</i>
	3.2	3.6	12.1	3.3	8.6
"	(2.1)	0.3	nm	(0.7)	nm
%	nm	3.5%	0 BP	nm	nm
EURm	1.3	4.0	206.2	2.0	99.0
II .	5.5	7.0	27.8	6.7	5.7
II .	0.4	0.4	-10.8	0.40	-11.3
II .	0.4	0.3	-0.3	(0.15)	nm
"	0.0	0.1	nm	0.55	-84.5
	" % EURm "	EURM 7.3 0.6 2.0 1.5 3.2 " (2.1) % nm EURM 1.3 " 5.5 " 0.4 " 0.4	EURm 7.3 8.4 0.6 1.1 2.0 2.0 1.5 1.7 3.2 3.6	Q1 2019 Q1 2020 yoy (%) EURm 7.3 8.4 15.3 0.6 1.1 68.2 2.0 2.0 0.7 1.5 1.7 19.1 3.2 3.6 12.1 " (2.1) 0.3 nm % nm 3.5% 0 BP EURm 1.3 4.0 206.2 " 5.5 7.0 27.8 " 0.4 0.4 -10.8 " 0.4 0.3 -0.3	EURm 1.3 4.0 206.2 2.0 9.0 (%) Q1 2020 EURm 7.3 8.4 15.3 7.8 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.7 2.0 0.7 2.0 1.8 1.8 1.8 3.2 3.6 12.1 3.3 12.1 3.3 12.1 3.3 1.0 0.7) 0.8 nm (0.7) 0.7 0.0 0.8 nm 0.7 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.4 0.4 0.4 0.40 0.4 0.10.8 0.40 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.4 0.4 0.3 -0.3 (0.15) 0.15 0.15 0.15 0.15 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 <

Source: Pareto, Company data

Intershop reported Q1 numbers that were in almost every aspect significantly better than expected. Mainly driven by higher license revenues, group revenues increased by 15%. Incoming cloud orders more than tripled, which bodes well for the coming quarters. Although new ARR (annual recurring revenues) remained slightly below our forecast, ARR beat our expectations as Intershop could keep down the churn to a record low of 4% of last quarter's ARR, according to our calculations. Most importantly, Intershop realized a positive EBIT of EUR 0.3m, as the cost reduction program completed in 2019 obviously bore fruit. This is the first quarter with a positive operating result since 2017.

The strong result from licenses was due to the fact that some digital sales channels of certain customers boomed, which triggered additional license orders. The strong cloud order entry was attributed to a more effective marketing strategy, by and large. Intershop could win 6 new cloud customers in Q1. The largest order (EUR 1.8m out of EUR 4m total order entry) was received from Musgrave, an Irish food retail, wholesale and foodservice company. Intershop was able to lower the churn rate to only 4% from 10% in 2019 as there were no customer insolvencies and no major client terminations during Q1. Most of the cloud order entry were signed at the end of the quarter and will therefore materialize only in Q2 and Q3, which was the reason that "new ARR" was only ~10% of incoming cloud orders in Q1.

The Q1 results made clear that the coronavirus crisis is both a blessing and curse for Intershop. Positively, many existing and potential customers feel the need to digitize their sales channels more rigorously. Also cloud solutions are still prioritized over on-premise solutions, as they mean more flexibility regarding costs and infrastructure. On the other hand, the crisis increases the cost pressure on the customers' side and therefore could also lead to delays of some contract closings. 104 out of 308 Intershop employees are on short-time work at present, most of which in the Service Team, but also some developers, we understand. Intershop has just reduced the number of full-time employees down from 341 in 2019 to now 308, most of which in technical areas, which turned out to be a lucky timing in hindsight.

All in, Intershop remains confident despite the corona crisis and re-iterates its full year guidance: It continues to expect slightly positive EBIT in 2020 after a loss of EUR 6.5m in 2019 and slightly increasing revenues.

Valuation update

We revised our model inputs, assuming that the very positive tendency witnessed in Q1 is no outlier:

First, we now expect a cloud order entry of EUR 14m in 2020 (was EUR 13m before), which is still below the current run-rate of EUR 16m. Second, we lower the expected churn rate from 10% to 5% annually, given that Intershop was able to realize 4% of previous quarter's ARR in Q1. These changes result in the following scenario for Intershop's cloud business:

Exhibit 2: Our scenario for Intershop's cloud business

Cloud business (EURm)	2017	2018	2019	2020e	2021e	2022e	2023e
Order Entry	2.1	7.2	13.1	14.0	21.0	31.5	47.3
% yoy		244%	81%	7%	50%	50%	50%
New ARR	0.6	1.7	2.6	2.8	4.2	6.3	9.4
% yoy		183%	53%	7%	50%	50%	50%
Average contract length (years)	3.5	4.3	5.0	5.0	5.0	5.0	5.0
% yoy		21%	19%	0%	0%	0%	0%
Churn	-0.1	0.3	0.9	0.3	0.5	0.6	0.9
% yoy		nm	200%	-62%	36%	40%	43%
Net new ARR	0.7	1.4	1.7	2.4	3.7	5.6	8.5
% yoy		100%	21%	44%	52%	51%	51%
ARR	3.7	5.1	6.8	9.2	12.9	18.5	27.0
% yoy		38%	32%	36%	40%	43%	46%
Cloud revenues	4.5	5.4	6.4	8.8	12.5	18.2	26.6
% yoy		20%	18%	38%	42%	45%	47%

Source: Pareto Securities Research

For the license / maintenance and services business, we left our revenue assumptions largely untouched and still expect a slight decline of all categories going forward as the respective businesses will in our view be "cannibalized" by Intershop's cloud business. Regarding earnings, Intershop exhibited very good cost control in Q1 after the recent restructuring program and increased the gross margin to 45% of revenues from 35% for the full year 2019. We had so far expected a gross margin of slightly above 40% of revenues and now change this estimate accordingly.

These adjustments result in the estimate changes as depicted below. Most importantly, we expect Intershop now to break even already in 2020 instead of 2022 previously and to achieve a net result of EUR 2.2m by 2022.

Exhibit 3: Estimate changes

		2020e			20	021e		2022e		
Intershop		Old	New	Chg.	Old	New	Chg.	Old	New	Chg.
Revenues	EURm	31.8	32.3	2%	34.0	35.3	4%	37.9	40.1	6%
EBIT	"	-1.0	0.5	nm	-0.4	0.9	nm	1.1	2.2	90%
Net result	"	-1.1	0.4	nm	-0.4	0.8	nm	1.1	2.2	93%
EPS	EUR	-0.08	0.03	nm	-0.03	0.06	nm	0.08	0.15	93%

Source: Pareto Securities Research

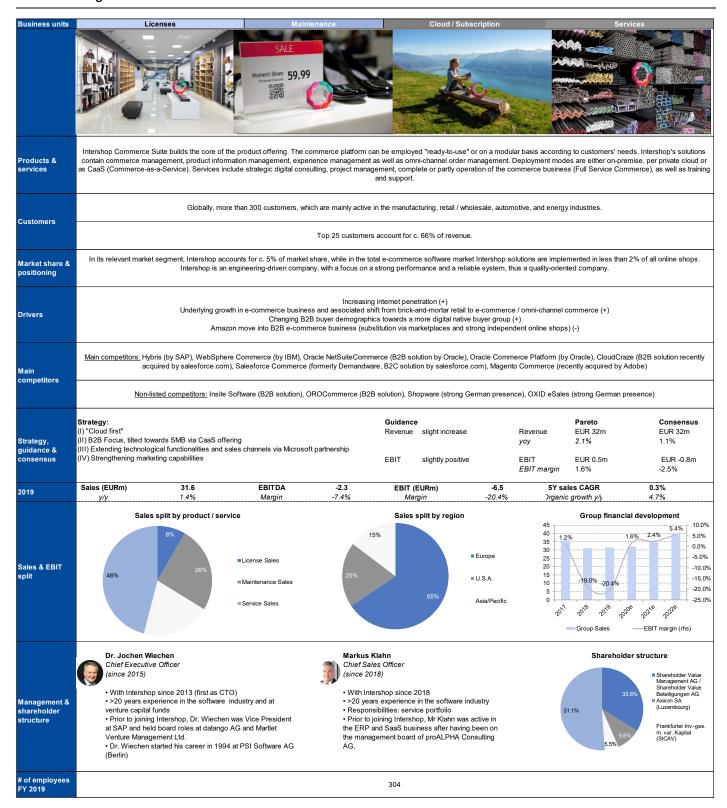
Exhibit 4: DCF

			Phase I					Phase II			Phase I
EUR m	2020e	2021e	2022e	2023e	2024e	2025e	2026e	2027e	2028e	2029e	
Revenues	32	35	40	48	60	72	85	97	107	114	
growth rate	2.1%	9.1%	13.7%	19.1%	24.9%	21.3%	17.6%	14.0%	10.3%	6.7%	
EBIT	0.5	0.9	2.2	2.6	4.7	5.6	6.4	7.2	7.7	8.0	
EBIT margin	1.6%	2.4%	5.4%	5.4%	8.0%	7.8%	7.6%	7.4%	7.2%	7.0%	
Тах	0.0	(0.3)	(0.7)	(0.8)	(1.5)	(1.8)	(2.0)	(2.3)	(2.4)	(2.5)	
Tax rate	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	
Depr. & Amort.	2.5	2.4	2.3	2.3	2.4	2.8	3.3	3.7	4.1	4.3	
% of sales	8%	7%	6%	5%	4%	4%	4%	4%	4%	4%	
Сарех	(2.2)	(2.2)	(2.2)	(2.6)	(3.3)	(3.4)	(3.7)	(4.1)	(4.4)	(4.6)	
% of sales	6.8%	6.3%	5.5%	5.5%	5.5%	4.8%	4.4%	4.2%	4.1%	4.0%	
Change in NWC	(0.1)	(0.4)	(0.6)	(0.9)	(1.5)	(1.5)	(1.4)	(1.2)	(1.0)	(0.6)	
% of sales	0.3%	1.0%	1.5%	2.0%	2.5%	2.1%	1.7%	1.3%	0.9%	0.5%	
Free Cash Flow	0.7	0.4	1.0	0.5	0.9	1.8	2.6	3.3	4.0	4.7	70.
growth rate		(51)%	nm	(53)%	nm	91%	45%	30%	21%	16%	3%
Present Value FCF	0.7	0.3	0.8	0.3	0.6	1.0	1.4	1.6	1.8	1.9	28.
PV Phase I PV Phase II PV Phase III		2.7 7.7 28.1			Risk free Premium Premium	Equity	3.5% 5.0% 5.0%		Targ. equ Beta WACC	uity ratio	959 1. 9.99
Enterprise value		38.5			Sensitivi	ы І		Grow	th in pha	co III	
- Net Debt (Cash)		(6.2)			Sensitivi	Ly	2.0%	2.5%	3.0%	3.5%	4.0%
- Leasing Liabilities		1.8				8.9%	3.9	4.1	4.3	4.5	4.8
- Minorities & Peripherals		0.0				9.4%	3.6	3.8	4.0	4.2	4.4
+ MV of financial assets		0.0			WACC	9.9%	3.4	3.5	3.7	3.9	4.0
- Paid-out dividends for last	FY	0.0				10.4%	3.2	3.3	3.5	3.6	3.8
+/- Other EV items		9.5				10.9%	3.1	3.2	3.3	3.4	3.5
Equity value		52.3									
		14.2									
Number of shares											
		3.70									
Number of shares Value per share (€) Current Price (€)		3.70 3.16									

All in, we arrive at a fair value per share of EUR 3.70 per share (was EUR 2.50 before) on the grounds of our DCF model. Thus, we stick to our "Buy" recommendation. Notwithstanding, Intershop remains a risky stock for investors with appetite for a binary investment case and enough confidence in the sustainable success of Intershop's cloud solutions.

At a glance

Exhibit 5: At a glance



Source: Pareto Securities Research

PROFIT & LOSS (fiscal year) (EURm)	2015	2016	2017	2018	2019	2020e	2021e	2022 e
Revenues	43	34	36	31	32	32	35	40
EBITDA	3	0	3	(4)	(2)	5	5	7
Depreciation & amortisation	(3)	(2)	(2)	(2)	(4)	(4)	(4)	(4)
EBIT	0	(2)	0	(6)	(6)	1	1	2
Net interest	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Other financial items	-	-	-	-	-	-	-	-
Profit before taxes	0	(3)	0	(6)	(7)	0	1	2
Taxes	(0)	(0)	(1)	(1)	(0)	(0)	(0)	0
Minority interest	-	-	-	-	-	-	-	-
Net profit	0	(3)	(1)	(7)	(7)	0	1	2
EPS reported	0.00	(0.28)	(0.06)	(0.20)	(0.48)	0.03	0.06	0.15
EPS adjusted	0.00	(0.21)	(0.06)	(0.19)	(0.44)	0.03	0.06	0.15
DPS	-	-	-	-	-	-	-	-
BALANCE SHEET (EURm)	2015	2016	2017	2018	2019	2020e	2021e	2022e
Tangible non current assets	0	1	1	1	1	0	0	0
Other non-current assets	11	10	10	10	12	12	12	12
Other current assets	6	6	6	5	7	7	7	8
Cash & equivalents	15	11	9	7	8	7	8	9
Total assets	33	27	25	23	28	27	28	30
Total equity	19	16	15	14	16	16	17	19
Interest-bearing non-current debt	5	3	2	2	0	0	0	0
Interest-bearing current debt	1	1	1	2	1	-	-	-
Other Debt	8	7	7	6	10	10	11	11
Total liabilites & equity	33	27	25	23	28	27	28	30
CASH FLOW (EURm)	2015	2016	2017	2018	2019	2020e	2021e	2022e
Cash earnings	3	(0)	2	2018 (5)	(0)	3	3	4
	3 2	(0) (0)	2 (0)	(5) 1	(0) (1)	3 (0)	3 (0)	4 (1)
Cash earnings	3	(0)	2	(5)	(0)	3	3	4
Cash earnings Change in working capital Cash flow from investments Cash flow from financing	3 2 (2) 6	(0) (0) (2) (1)	2 (0) (3) (1)	(5) 1 (3) 5	(0) (1) (3) 6	3 (0) (2) (1)	3 (0) (2)	4 (1) (2)
Cash earnings Change in working capital Cash flow from investments	3 2 (2)	(0) (0) (2)	2 (0) (3)	(5) 1 (3)	(0) (1) (3)	3 (0) (2)	3 (0) (2)	4 (1)
Cash earnings Change in working capital Cash flow from investments Cash flow from financing	3 2 (2) 6	(0) (0) (2) (1)	2 (0) (3) (1)	(5) 1 (3) 5	(0) (1) (3) 6	3 (0) (2) (1)	3 (0) (2)	4 (1) (2)
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Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow CAPITALIZATION & VALUATION (EURm) Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA EV/EBIT	3 2 (2) 6 9 2015 3.63 10 (9) 29 0.7 8.3	(0) (0) (2) (1) (4) 2016 3.21 11 (7) 28 0.8	2 (0) (3) (1) (2) 2017 5.2 11 (6) 50 1.4 17.7	(5) 1 (3) 5 (2) 2018 3.94 35 (4) 133 4.3	(0) (1) (3) 6 1 2019 3.00 14 (6) 36 1.2	3 (0) (2) (1) (1) 2020e 3.16 14 (7) 38 1.2 8.1 72.0	3 (0) (2) - 1 2021e 3.16 14 (7) 37 1.1 7.4 43.6	4 (1) (2) - 2 2022e 3.16 (9) 36 0.9 5.5 16.4 20.5
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Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow CAPITALIZATION & VALUATION (EURm) Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA EV/EBIT P/E reported P/E adjusted P/B FINANCIAL ANALYSIS & CREDIT METRICS	3 2 (2) 6 9 2015 3.63 10 (9) 29 0.7 8.3 - - - 2.0	(0) (0) (2) (1) (4) 2016 3.21 11 (7) 28 0.8 - - - 2.2	2 (0) (3) (1) (2) 2017 5.2 11 (6) 50 1.4 17.7 - - 3.7	(5) 1 (3) 5 (2) 2018 3.94 35 (4) 133 4.3 - - 10.1	(0) (1) (3) 6 1 2019 3.00 14 (6) 36 1.2 - - - 2.7	3 (0) (2) (1) (1) 2020e 3.16 14 (7) 38 1.2 8.1 72.0	3 (0) (2) - 1 2021e 3.16 14 (7) 37 1.1 7.4 43.6 53.0 53.0 2.6	4 (1) (2) - 2 2022e 3.16 14 (9) 36 0.9 5.5 16.4 20.5 20.5 2.3 2022e
Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow CAPITALIZATION & VALUATION (EURm) Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA EV/EBIT P/E reported P/E adjusted P/B FINANCIAL ANALYSIS & CREDIT METRICS ROE adjusted (%)	3 2 (2) 6 9 2015 3.63 10 (9) 29 0.7 8.3 2.0 2015	(0) (0) (2) (1) (4) 2016 3.21 11 (7) 28 0.8 - - - 2.2 2016	2 (0) (3) (1) (2) 2017 5.2 11 (6) 50 1.4 17.7 - - 3.7	(5) 1 (3) 5 (2) 2018 3.94 35 (4) 133 4.3 10.1 2018	(0) (1) (3) 6 1 2019 3.00 14 (6) 36 1.2 2.7 2019	3 (0) (2) (1) (1) 2020e 3.16 14 (7) 38 1.2 8.1 72.0	3 (0) (2) - 1 2021e 3.16 14 (7) 37 1.1 7.4 43.6 53.0 53.0 2.6 2021e	4 (1) (2) - 2 2022e 3.16 14 (9) 36 0.9 5.5 16.4 20.5 2.3 2022e 12.1 -
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Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow CAPITALIZATION & VALUATION (EURm) Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA EV/EBIT P/E reported P/E adjusted P/B FINANCIAL ANALYSIS & CREDIT METRICS ROE adjusted (%) Dividend yield (%) EBITDA margin (%)	3 2 (2) 6 9 2015 3.63 10 (9) 29 0.7 8.3 2.0 2015 0.0 - 8.1	(0) (0) (2) (1) (4) 2016 3.21 11 (7) 28 0.8 2.2 2016 - 0.3	2 (0) (3) (1) (2) 2017 5.2 11 (6) 50 1.4 17.7 - - 3.7 2017	(5) 1 (3) 5 (2) 2018 3.94 35 (4) 133 4.3 10.1 2018	(0) (1) (3) 6 1 2019 3.00 14 (6) 36 1.2 2.7 2019	3 (0) (2) (1) (1) 2020e 3.16 14 (7) 38 1.2 8.1 72.0 - - 2.8 2020e 2.8	3 (0) (2) - 1 2021e 3.16 14 (7) 37 1.1 7.4 43.6 53.0 53.0 2.6 2021e 5.1	4 (1) (2) - 2 2022e 3.16 14 (9) 36

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Companies	No. of shares Hold	ings in %	Companies	No. of shares	Holdings in %
Helgeland Sparebank	2,010,630	9.63%	SpareBank 1Østfold Akersl	1,140,010	9.20%
Pareto Bank ASA	14,902,985	21.34%	Sparebanken Vest	6,111,796	5.69%

Pareto Securities AS or its affiliates own as determined in accordance with Section 13(d) of the US Exchange Act, 1% or moreof the equity securities of:

Companies	No. of shares Holdings in %		Companies	No. of shares Holdings in %		
Helgeland Sparebank	2,010,630	9.63%	SpareBank 1SMN	1,885,567	1.45%	
Pareto Bank ASA	14,902,985	2134%	SpareBank 1Østfold Akersl	1,140,010	9.20%	
Selvaag Bolig ASA	2,171,147	2.32%	Sparebanken Møre	305,239	3.09%	
SpareBank 1BV	1,655,920	2.63%	Sparebanken Sør	433,149	2.77%	
SpareBank 1Nord-Norge	3,246,880	3.23%	Sparebanken Vest	6,111,796	5.69%	

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Please find below an overview of material interests in shares held by employees in Pareto Securities AS, in companies where arecommendation has been produced or distributed by Pareto Securities AS "By material interest" means holdings exceeding a value of NOK 50 000.

Company	A nalyst holdings*	Total holdings	Company	A nalyst holdings*	Total holdings	Company	A nalyst holdings*	Total holdings
AF Gruppen	0	18,535	Helgeland Sparebank	0	4,127	Schibsted ASA B Aksjer	0	597
Aker	0	791	Ice Group	0	96,891	Seadrill	0	8,689
AkerBP	0	14,269	Jæren Sparebank	0	500	Selvaag Bolig	0	2,000
American Shipping Compar	0	3,500	Komplett Bank	0	104,079	SpareBank 1BV	0	22,700
Atlantic Sapphire	0	1,105	Kongsberg Gruppen	0	34,118	SpareBank 1Nord-Norge	0	27,325
Avance Gas	0	4,580	KWS	75	75	SpareBank 1Ringerike Hade	0	500
Axactor	0	8,709	Lerøy Seafood	0	2,050	SpareBank 1SM N	0	22,865
BASF	270	270	Mowi	0	1,904	SpareBank 1SR-Bank	0	30,040
Bonheur	0	46,615	Nordic Semiconductor	0	6,000	Sparebank 1Østfold Akersh	0	450
BRABank	0	1,371,000	Norsk Hydro	0	96,736	SpareBank 1Østlandet	0	2,161
DNB	0	29,705	Norwegian Air Shuttle	0	49,491	Sparebanken Sør	0	15,840
DNO	0	457,388	Ocean Yield	0	39,037	Sparebanken Vest	0	5,869
DNO Bull ETN	0	7,000	Okeanis Eco Tankers	0	2,728	Sparebanken Øst	0	1,500
Entra	0	8,837	Orkla	0	18,644	Stolt-Nielsen	0	42,426
Equinor	0	5,002	Pareto Bank	0	1,279,375	Storebrand	0	6,165
Europris	0	14,750	PGS	0	11,656	Subsea 7	0	1,139
Fjord1	0	50,000	Pioneer Property	0	2,050	Telenor	0	2,731
Fjordkraft Holding	0	8,000	Protector Forsikring	0	14,785	TGS-NOPEC	0	2,000
Frontline	0	11,730	REC Silicon	0	32,708	VOWASA	0	4,781
Gjensidige Forsikring	0	7,280	SalMar	0	200	XXL	0	9,279
Golden Ocean Group	0	1,744	Sandnes Sparebank	0	27,532	Yara International	0	14,253
Grieg Seafood	0	770	Scatec Solar	0	35,000	Zenterio	0	78,865
Hafnia Limited	0	10,000						

This overview is updated monthly (last updated 17.03.2020).

 $^{{}^*\!}Analyst\,holdings refers to position sheld by the Pareto Securities AS\,analyst\,covering the company.$

Appendix B

Disclosure requirements pursuant to the Norwegian Securities Trading Regulation § 3-11, letters e-f, ref the Securities Trading Act Section 3-10

Overview over issuers of financial instruments where Pareto Securities AS have prepared or distributed investment recommendation, where Pareto Securities AS have been lead manager/co-lead manager or have rendered publicly known not immaterial investment banking services over the previous 12 months:

2020Bulkers GG. St. Kongensgade 100 og 106 Ocean Yield Advanzia Bank Hafnia Limited Odfjell SE Haf slund E-CO OKEA Africa Energy African Petroleum Corporation Hunter Group ASA Otiga Group Agder Energi Hörmann Industries Pareto Bank Aker ASA Ice Group Petroleum Geo-Services

American Tanker ICWHolding PetroTal

 Belships
 Kingfish Zeeland
 Pinewood Laboratories

 BRAbank
 Klaveness Combination Carriers ASA
 Pioneer Property Group

 BWEnergi
 LifeFit
 ProvidencesInv. Mngmt Pty

 Cabonline Group Holding AB
 Luxaviation Holding
 Questerre Energy

 Central Nic Group
 Monobank ASA
 Sandnes Sparebank

 DNO
 Mutares SE& Co. KGaA
 Seadrill

 ErweImmobilien
 Navig8
 ShamaranPetroleum

 Euromicron AG
 Navigator Holdings
 Sparebanken Vest

 Exmar NV
 Norbit ASA
 Stolt Nilsen

Filo Mining Corp Northern Ocean TEMPTON Dienstleistungen Flex LNG Norwegian Air Shuttle United Camping AB Floatel Nouveau Monde Graphite Vantage Drilling

Genel Energy

This overview is updated monthly (this overview is for the period 28.02.2019 – 29.02.2020).

Appendix C

Disclosure requirements pursuant to the Norwegian Securities Trading Regulation § 3-11(4)

Distribution of recommendations

Recommendation	% distribution
Buy	56%
Hold	39%
Sell	5%

$Distribution\ of\ recommendations\ (transactions^{\star})$

Recommendation% distributionBuy87%Hold13%Sell0%

This overview is updated monthly (last updated 17.03.2020).

^{*} Companies under coverage with which Pareto Securities Group has on-going or completed public investment banking services in the previous 12 months

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Disclosure of assignments and mandates

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Bionvent IRRAS AB Pledpharma AB ShaMaran Petroleum

Climeon Jetpak Top Holding AB QleanAir Holding

Members of the Pareto Group provide market making or other liquidity providing services to the following companies included in Pareto Securities AB's research coverage universe:

ByggPartner i Dalarna Holding Magnolia Bostad Sedana Medical Tethys Oil

Cibus Nordic Real Estate Saltängen Property Invest ShaM aran Petroleum Vostok Emerging Finance

Isofol M edical SciB ase Holding

Members of the Pareto Group have entered into agreements concerning the inclusion of the company in question in Pareto Securities AB's research coverage universe with the following companies: None

Member of the Pareto Group is providing Business Management services to the following companies:

Bosjö Fastigheter ABBråviken LogistikHalmslättenMälaråsenBonäsuddenDelarkaLogistriSydsvenska Hem

Members of the Pareto Group have entered into agreements concerning the inclusion of the company in question in Pareto Securities AB's research coverage universe with the following companies: None This overview is updated monthly (last updated 16.04.2020).

Appendix E

Disclosure requirements pursuant to the Norwegian Securities Trading Regulation § 3-11, letter d, ref the Securities Trading Act Section 3-10

Designated Sponsor

Pare of Securities acts as a designated sponsor for the following companies, including the provision of bid and ask offers. Therefore, we regularly possess shares of the company in our proprietary trading books. Pareto Securities receives a commission from the company for the provision of the designated sponsor services.

2G Energy *	Gigaset *	MLP*	Siemens Healthineers AG
Baywa	Heidelberg Pharma*	M OBOTIX AG	SMT Scharf AG *
Biotest *	Hypoport AG	mutares	Surteco Group *
Brenntag	Intershop Communications AG	OVB Holding AG	Syzygy AG *
CORESTATE Capital Holding S.A.	ISRA Vision	Procredit Holding *	TAKKT AG
Daldrup & Söhne	Leifheit	PSI SOFTWARE AG *	Vapiano
Demire	Logwin *	PWO*	va-Q-tec*
Epigenomics AG*	Manz AG *	RIB Software *	Viscom*
Gesco *	MAX Automation SE	S&T AG *	

GFT Technologies * Merkur Bank SCOUT24

Appendix F

 $\underline{\textbf{Disclosure requirements pursuant to the Norwegian Securities Trading Regulation § 3-11, letter g, ref the Securities Trading Act Section 3-10} \\$

Sponsored Research

Pareto Securities has entered into an agreement with these companies about the preparation of research reports and—in return - receives compensation.

Adler Modemaerkte Daldrup & Söhne Intershop Communications AG mutares
Baywa Dermapharm Holding SE Leifheit OHB SE

BB Biotech First Sensor MAX Automation SE OVB Holding AG
B.R.A.I.N. Godewind Immobilien AG Merkur Bank Siegfried Holding AG

comdirect Hypoport AG M OBOTIX AG

This overview is updated monthly (last updated 16.04.2020).

^{*} The designated sponsor services include a contractually agreed provision of research services.