"Balanced" EBIT expected in FY 2023

Intershop reported Q4 numbers and preliminary full year numbers that were in-line with the lowered forecast for FY 2022. For the coming year, Intershop expects a balanced EBIT. Regarding the cloud product, it expects both incoming cloud orders and net new ARR to increase by more than 10%. Due to the slightly more modest short-and midterm outlook plus the higher share count due to the partial conversion of the convertible bond, we lower our fair value to EUR 3.90 from EUR 4.00, the recommendation remains "buy".

Q4 in-line

Intershop reported Q4 numbers and preliminary full year numbers that were inline with the lowered forecast for FY 2022 given in September regarding revenues ("at prior year's level") and EBIT ("negative in the lower digit million EUR range") but slightly below our earnings estimates, mainly because of (1) write-downs on receivables from customers whose business was affected by the war in Ukraine and (2) provisions for doubtful accounts in the Service business. On top of that, Intershop saw a weak licence business in Q4, which is intended to a large extent by Intershop as existing on-premise customers should progressively be transferred to the cloud product.

Intershop has become a bit more cautious

For the coming year, Intershop became a bit more cautious regarding the cloud business and expects both incoming cloud orders and net new ARR to increase by more than 10%, which implies a somewhat decreasing order dynamic for the cloud business. For the group, Intershop expects an increase of over 10% in revenues and a "balanced" operating result (EBIT) after the issues of the Service segment will be fully resolved in Q2.

New price target EUR 3.90

Due to the slightly more modest short-and midterm outlook plus the higher share count due to the partial conversion of the convertible bond, we lower our fair value to EUR 3.90 from EUR 4.00. All in, we still see a significant upside of more than 30% for the shares, and our recommendation remains "buy". The critical underlying assumption remains that Intershop's cloud business will be a long-term success story, of course.

EURm	2021	2022	2023e	2024e	2025e
Revenues	36	37	41	45	49
EBITDA	4	0	4	7	8
EBIT	1	(3)	0	3	4
EPS	0.06	(0.25)	(0.03)	0.17	0.27
EPS adj	0.06	(0.25)	(0.03)	0.17	0.27
DPS	-	-	-	-	-
EV/EBITDA	10.9	78.4	8.8	5.1	3.7
EV/EBIT	37.0	-	-	12.1	7.4
P/E adj	71.5	-	-	16.9	10.7
P/B	3.29	2.65	2.98	2.53	2.05
ROE (%)	4.7	-	-	16.2	21.1
Div yield (%)	-	-	-	-	-
Net debt	(9)	(5)	(6)	(8)	(11)

Source: Pareto Securities

Target price (EUR) Share price (EUR)	3.9 2.9	A	BUY
онаго риос (20 г.)		-	HOLD
		\blacksquare	SELL

Forecast changes

%	2023e	2024e	2025e
Revenues	(2)	(2)	NM
EBITDA	4	(7)	NM
EBIT adj	(60)	(18)	NM
EPS reported	NM	(9)	NM
EPS adj	NM	(9)	NM

Source: Pareto Securities

Ticker	ISHG.DE, ISH2 GY
Sector	Software & Services
Shares fully diluted (m)	14.6
Market cap (EURm)	43
Net debt (EURm)	-6
Minority interests (EURm)	0
Enterprise value 23e (EURm)	37
Free float (%)	0

Performance



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.

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Q4 wrap up

Q4 numbers

Actual Q4 2021 Q4 2022 Intershop yoy (%) Revenues **EURm** 9.4 9.2 of which: Licenses 1.1 (94)0.1 of which: Maintenance 1.9 1.9 (3) of which: Cloud / Subscription 3.0 3.9 30 of which: Services 3.4 3.5 1 4.9 3.5 -29 Gross profit -1450 BP margin 52.0% 37.5% **EBIT EURm** 0.2 (1.8)nm -2126 BP margin 1.6% -19.7% Other cloud-related KPI Incoming cloud orders FURm 6.9 7.2 4 ARR from cloud 12.2 15.4 27 New ARR 0.9 (19)1.1 Net new ARR 0.8 0.3 (61)Implied churn 0.3 95 Source: Company, Pareto Securities

Full year numbers

			Actual	
Intershop		2021	2022	yoy (%)
Revenues	EURm	36.0	36.8	2
of which: Licenses	"	2.3	1.8	(20)
of which: Maintenance	"	7.6	7.7	2
of which: Cloud / Subscription	"	11.1	14.2	28
of which: Services	"	15.1	13.1	(13)
Gross profit	"	17.4	15.7	-10
margin	%	48.3%	42.7%	-566 BP
EBIT	EURm	1.3	(2.9)	nm
margin	%	3.6%	-7.9%	nm
Other cloud-related KPI				
Incoming cloud orders	EURm	18.3	25.9	42
ARR from cloud	"	12.2	15.4	27
New ARR	"	3.1	3.9	26
Net new ARR	"	2.8	3.2	12
Implied churn	"	0.3	0.7	170
Source: Company, Pareto Securities	S			

Intershop reported Q4 numbers and preliminary full year numbers that were in-line with the lowered forecast for FY 2022 given in September regarding revenues ("at prior year's level") and EBIT ("negative in the lower digit million EUR range") but slightly below our earnings estimates, mainly because of (1) write-downs on receivables from customers whose business was affected by the war in Ukraine and (2) provisions for doubtful accounts in the Service business, which was clearly Intershop's weak spot in 2022, as discussed in several notes during the year. In total, these one-off amounted to EUR 0.7m, so underlying EBIT was around minus EUR 2.2m. On top of that, Intershop saw a weak licence business in Q4, which is intended to a large extent by Intershop as existing customers should progressively be transferred to the cloud product.

The gross profit margin was down to 38% in Q4, which compares with 44% for the first nine months. The services segment earned EUR 1.6m gross margin in 2022 which was better than anticipated by us, but clearly below the EUR 5.1m in 2021.

The guidance for the cloud business for 2022, i.e., a 20% increase of incoming cloud orders and a 10% increase of net new ARR, was met. While most KPIs of the cloud business saw decent progress over the entire FY2022, Q4 numbers remained slightly below our expectations as new ARR slowed down and churn was up. Also, for the coming year, Intershop guided a bit more cautiously, and expects both incoming cloud orders and net new ARR to increase by more than 10%, which implies a somewhat decreasing order dynamic for the cloud business. For the group, Intershop expects an increase of over 10% in revenues and a balanced operating result (EBIT), which is fully in-line with our expectations.

Free cash flow was negative at minus EUR 2.2m in 2022. Cash was at EUR 10.5m at the end of the year, while debt amounted to 4.7m. So, Intershop's financial situation is still comfortable. Moreover, Intershop saw a small equity inflow as a part of the outstanding convertible bond was converted. In total, ~400k new shares were issued at the agreed strike price of EUR 2.19 (~3% of outstanding shares).

Last but not least, Intershop exhibited an impressive list of new customers, among them well-known names such Danaher, Reisswolf, Alko and Lekkerland with revenues in the hundreds of millions.

The full consolidated financial statements will be published in mid-March 2023.

Estimates update

Our updated scenario for the cloud business

Cloud business (EURm)	2020	2021	2022	2023e	2024e	2025e	2026e
Order Entry	15.8	18.3	25.9	28.5	31.3	36.0	43.2
% yoy	21%	16%	42%	10%	10%	15%	20%
New ARR	2.6	3.1	3.9	4.7	5.1	5.7	6.7
% yoy	0%	20%	26%	19%	10%	12%	17%
Average contract length (years)	6.1	5.3	5.7	5.7	5.7	5.7	5.7
% yoy	21%	-13%	9%	0%	0%	0%	0%
Churn	0.3	0.3	0.7	0.8	1.0	1.2	1.4
% yoy	-67%	-11%	170%	8%	25%	22%	19%
Net new ARR	2.3	2.8	3.2	3.9	4.2	4.6	5.3
% yoy	36%	23%	12%	22%	7%	10%	16%
ARR	9.3	12.2	15.4	19.3	23.5	28.0	33.3
% yoy	38%	31%	27%	25%	22%	19%	19%
Cloud revenues	7.3	11.1	14.2	18.1	22.3	26.8	32.1
% yoy	14%	52%	28%	27%	23%	21%	20%
% yoy Source: Pareto Securities	14%	52%	28%	27%	23%	21%	

In our view, Intershop should be able to meet its guidance regarding cloud order entry and Net New ARR (+10% each) in 2023. For 2024, we cautiously assume only 10% cloud order growth, too, in order to account for the insecure macroeconomic outlook. From 2025 onwards, we expect order entry to pick up again and expect 15% in 2025 and 20% p.a. for 2026.

In the light of the increased churn in 2022 (5.8% of ARR at the end of 2021), we also expect slightly higher churn rates of 5% of ARR for the coming years, in line with Intershop's budget.

We believe that the Service segment will deliver an improving gross profit in 2023 but we cautiously assume that it will take two years to fully restore the gross margin at around 33% of sales. Otherwise, we left our estimates largely untouched.

As a result, we believe that Intershop will be back in the black in 2023, but still below the levels witnessed in 2021. This is because Intershop estimates that it will take until Q2 / 2023 until the problems of the Service segment will be fully resolved. On the other hand, we remain optimistic on the longer-term outlook for the cloud business at the backdrop of the constantly strong order entry in 2022 and before.

P&L

Profit & Loss	2020	2021	2022	2023e	2024e	2025e	2026e
Revenue	33.6	36.0	36.8	40.6	44.7	49.3	54.6
% yoy	6.2%	7.1%	2.2%	10.3%	10.2%	10.2%	10.8%
Gross Profit	15.7	17.7	15.7	20.1	24.4	27.6	30.8
% of sales	46.6%	49.2%	42.7%	49.5%	54.6%	56.1%	56.5%
R&D	3.8	5.7	6.9	7.2	7.6	7.9	8.3
% of sales	11.2%	15.8%	18.6%	17.7%	16.9%	16.1%	15.3%
EBITDA	4.5	4.4	0.4	4.2	6.8	8.4	9.9
% of sales	13.2%	12.3%	1.1%	10.3%	15.2%	17.0%	18.1%
EBIT	1.0	1.3	-2.9	0.2	2.9	4.3	5.4
% of sales	3.0%	3.6%	-7.9%	0.5%	6.4%	8.6%	9.9%
Pretax Profit	0.9	0.9	-3.4	-0.4	2.4	3.8	4.9
% of sales	2.6%	2.5%	-9.3%	-0.9%	5.4%	7.7%	9.1%
Net Profit	0.8	0.8	-3.6	-0.4	2.5	4.0	5.2
% of sales	2.4%	2.2%	-9.7%	-0.9%	5.6%	8.1%	9.5%
EPS (EUR)	0.06	0.06	-0.25	-0.03	0.17	0.27	0.36
% yoy	-111.8%	0.0%	-547.3%	-89.7%	-764.7%	57.6%	30.3%
DPS (EUR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Payout ratio	0%	0%	0%	0%	0%	0%	0%
Source: Pareto Securities							

The changes to our estimates can be found in the table below. The percentage changes might look huge, but this is mainly because the earnings numbers are close to zero, so every small absolute change has a big impact on percentage changes.

Estimate changes

		023e		20	024e		20	025e	
	Old	New	Chg.	Old	New	Chg.	Old	New	Chg.
EURm	41.0	40.6	-1%	45.5	44.7	-2%	50.4	49.3	-2%
	0.3	0.2	-41%	3.5	2.9	-19%	4.6	4.3	-8%
	-0.4	-0.4	nm	3.1	2.5	-18%	4.2	4.0	-5%
EUR	-0.03	-0.03	nm	0.22	0.17	-20%	0.30	0.27	-8%
	"	EURm 41.0 " 0.3 " -0.4	EURm 41.0 40.6 " 0.3 0.2 " -0.4 -0.4	EURm 41.0 40.6 -1% " 0.3 0.2 -41% " -0.4 -0.4 nm	EURm 41.0 40.6 -1% 45.5 " 0.3 0.2 -41% 3.5 " -0.4 -0.4 nm 3.1	EURm 41.0 40.6 -1% 45.5 44.7 " 0.3 0.2 -41% 3.5 2.9 " -0.4 -0.4 nm 3.1 2.5	EURm 41.0 40.6 -1% 45.5 44.7 -2% " 0.3 0.2 -41% 3.5 2.9 -19% " -0.4 -0.4 nm 3.1 2.5 -18%	EURm 41.0 40.6 -1% 45.5 44.7 -2% 50.4 " 0.3 0.2 -41% 3.5 2.9 -19% 4.6 " -0.4 -0.4 nm 3.1 2.5 -18% 4.2	EURm 41.0 40.6 -1% 45.5 44.7 -2% 50.4 49.3 " 0.3 0.2 -41% 3.5 2.9 -19% 4.6 4.3 " -0.4 -0.4 nm 3.1 2.5 -18% 4.2 4.0

For Q1, we expect still a slightly negative result, as it will take until Q2 to fully resolve the issues in the Service segment.

Q1 preview

		Actual	Pare	eto
Intershop		Q1 2022	Q1 2023e	yoy (%)
Revenues	EURm	9.2	10.0	8
of which: Licenses	"	0.8	0.7	-10
of which: Maintenance	"	2.1	1.8	-11
of which: Cloud / Subscription	"	3.1	4.1	32
of which: Services	"	3.2	3.3	2
Gross profit		4.5	4.3	-5
margin	%	49.0%	43.0%	-595 BP
EBIT	EURm	0.0	(0.4)	nm
margin	%	0.3%	nm	nm
Other cloud-related KPI				
Incoming cloud orders	EURm	8.7	9.2	5
ARR from cloud		13.0	16.0	23
New ARR		0.7	0.8	11
Net new ARR		0.8	0.6	-27
Implied churn		(0.1)	0.2	-275
Source: Pareto Securities		` '	•	

Valuation update

DCF

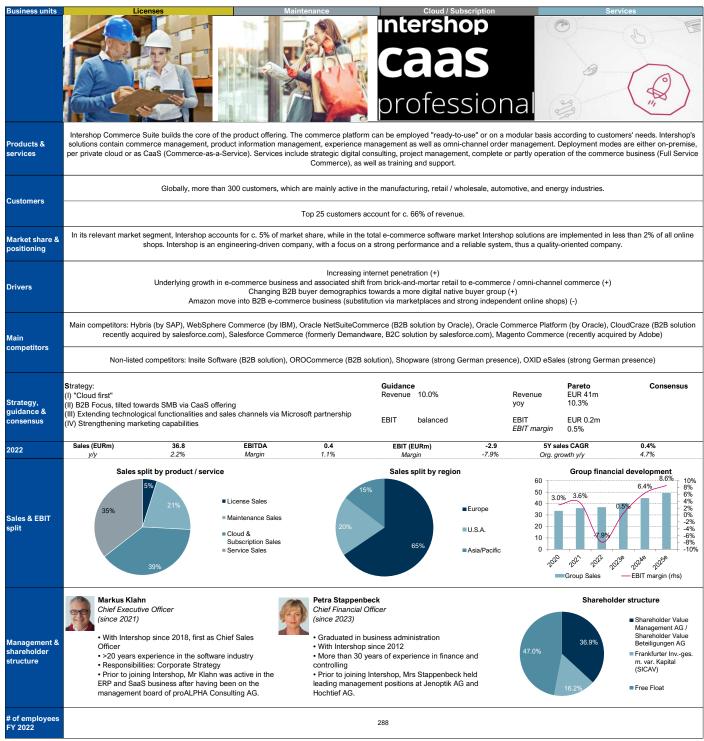
			Phase I					Phase II			Phase III
EUR m	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	2032e	
Revenues	40.6	44.7	49.3	54.6	60.9	67.2	73.1	78.4	82.9	86.5	
growth rate	10.3%	10.2%	10.2%	10.8%	11.7%	10.2%	8.8%	7.3%	5.8%	4.3%	
EBIT	0.2	2.9	4.3	5.4	6.9	7.5	8.2	8.8	9.3	9.7	
EBIT margin	0.5%	6.4%	8.6%	9.9%	11.2%	11.2%	11.2%	11.2%	11.2%	11.2%	
Tax	(0.1)	(0.9)	(1.3)	(1.7)	(2.2)	(2.4)	(2.6)	(2.8)	(2.9)	(3.1)	
Tax rate	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	
Depr. & Amort.	2.5	2.3	2.3	2.4	2.6	3.1	3.4	3.7	4.0	4.2	
% of sales	6.1%	5.0%	4.6%	4.4%	4.3%	4.6%	4.7%	4.8%	4.8%	4.9%	
Capex	(2.1)	(2.3)	(2.5)	(2.8)	(3.1)	(3.4)	(3.7)	(4.0)	(4.2)	(4.4)	
% of sales	5.1%	5.1%	5.1%	5.1%	5.1%	5.1%	5.1%	5.1%	5.1%	5.1%	
Change in NWC	(0.3)	(0.4)	(0.4)	(0.5)	(0.6)	(0.6)	(0.5)	(0.5)	(0.5)	(0.4)	
% of sales	0.8%	0.8%	0.8%	0.8%	0.9%	0.8%	0.7%	0.7%	0.6%	0.5%	
Free Cash Flow	0.2	1.6	2.3	2.8	3.6	4.3	4.8	5.3	5.7	6.0	92.7
growth rate		nm	44%	25%	27%	17%	13%	10%	8%	6%	3%
Present Value FCF	0.2	1.3	1.7	2.0	2.3	2.5	2.6	2.6	2.5	2.4	37.8
PV Phase I		7.6			Risk free r	ate	3.5%		Targ. equi	v ratio	100%
PV Phase II		12.6			Premium I		5.0%		Beta	.y ratio	1.2
PV Phase III		37.8			Premium I		0.5%		WACC		9.5%
Enterprise value		58.0			Sensitivity	. 1		Grov	wth in phas	e III	
- Net Debt (Cash)		(5.3)					1.9%	2.4%	2.9%	3.4%	3.9%
 Leasing Liabilities 		9.5		•		8.6%	4.21	4.44	4.73	5.06	5.47
- Minorities & Periphera	ls	0.0				9.0%	3.87	4.07	4.30	4.58	4.90
- Short call position		1.3			WACC	9.5%	3.58	3.75	3.94	4.17	4.43
+ Tax loss carryforward	ls (NPV)	5.0				10.0%	3.33	3.47	3.63	3.82	4.04
						10.5%	3.10	3.22	3.36	3.52	3.70
Equity value		57.6									
Number of shares		14.6									
Value per share (€)		3.90									
Current Price (€)		2.88									
Upside		35%									
Source: Pareto Securities											

Due to the slightly more modest short-and midterm outlook plus the higher share count due to the partial conversion of the convertible bond, we lower our fair value to EUR 3.90 from EUR 4.00. This is partially compensated by the fact that the value of the short call has decreased because of the lower share price, the lower number of calls and because of the diminishing time value of the option. As a reminder, Intershop has issued a convertible bond, which gave the buyer the right to buy 1.42m Intershop shares (now 1.0m) at a strike price of EUR 2.19 per share. This option, which expires in July 2025, is worth around EUR 1.3, according to our calculations. Thus, we deduct EUR 2.0m (1.0m x EUR 1.30) from the fair value.

All in, we still see a significant upside of more than 30% for the shares, and our recommendation remains "buy". The critical underlying assumption remains that Intershop's cloud business will be a long-term success story, of course.

At a glance

At a glance



Source: Company, Pareto Securities

PROFIT & LOSS (fiscal year) (EURm)	2018	2019	2020	2021	2022	2023e	2024e	2025e
Revenues	31	32	34	36	37	41	45	49
EBITDA	(4)	(2)	4	4	0	4	7	8
Depreciation & amortisation	(2)	(4)	(3)	(3)	(3)	(4)	(4)	(4)
EBIT	(6)	(6)	1	1	(3)	0	3	4
Net interest	(0)	(0)	(0)	(0)	(1)	(1)	(0)	(0)
Other financial items	-	-	-	-	-	-	-	-
Profit before taxes	(6)	(7)	1	1	(3)	(0)	2	4
Taxes	(1)	(0)	(0)	(0)	(0)	(0)	0	0
Minority interest	-	-	-	-	-	-	-	-
Net profit	(7)	(7)	1	1	(4)	(0)	3	4
EPS reported	(0.20)	(0.48)	0.06	0.06	(0.25)	(0.03)	0.17	0.27
EPS adjusted	(0.19)	(0.44)	0.06	0.06	(0.25)	(0.03)	0.17	0.27
DPS	-	-	-	-	-	-	-	-
BALANCE SHEET (EURm)	2018	2019	2020	2021	2022	2023e	2024e	2025e
Tangible non current assets	1	1	1	1	1	0	0	0
Other non-current assets	10	12	12	21	24	24	24	24
Other current assets	5	7	5	6	6	6	7	7
Cash & equivalents	7	8	12	12	10	10	12	16
Total assets	23	28	29	40	41	41	44	48
Total equity	14	16	17	17	14	14	17	21
Interest-bearing non-current debt	2	0	3	3	5	4	4	4
Interest-bearing current debt	2	1	-	-	1	1	-	_
Other Debt	6	10	10	19	22	22	23	23
Total liabilites & equity	23	28	29	40	41	41	44	48
, ,								
CASH FLOW (EURm)	2018	2019	2020	2021	2022	2023e	2024e	2025e
CASH FLOW (EURm) Cash earnings	2018 (5)	2019 (0)	2020	2021	2022 (1)	2023e	2024e 5	2025e 6
Cash earnings	(5)	(0)	3	6	(1)	2	5	6
Cash earnings Change in working capital	(5) 1 (3) 5	(0) (1)	3 1	6 (1)	(1) 0 (3) 2	2 (0) (2)	5 (0)	6 (0)
Cash earnings Change in working capital Cash flow from investments	(5) 1 (3)	(0) (1) (3)	3 1 (2)	6 (1) (2)	(1) 0 (3)	2 (0) (2)	5 (0)	6 (0)
Cash earnings Change in working capital Cash flow from investments Cash flow from financing	(5) 1 (3) 5	(0) (1) (3) 6	3 1 (2) 1	6 (1) (2) (3)	(1) 0 (3) 2	2 (0) (2)	5 (0) (2)	6 (0) (3)
Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow	(5) 1 (3) 5 (2)	(0) (1) (3) 6 0	3 1 (2) 1 4	6 (1) (2) (3) 0	(1) 0 (3) 2 (2)	2 (0) (2) - (0)	5 (0) (2) - 2	6 (0) (3) - 3
Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow VALUATION (EURm)	(5) 1 (3) 5 (2) 2018	(0) (1) (3) 6 0	3 1 (2) 1 4	6 (1) (2) (3) 0	(1) 0 (3) 2 (2) 2022	2 (0) (2) - (0) 2023e	5 (0) (2) - 2 2024e	6 (0) (3) - 3 2025e
Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow VALUATION (EURm) Share price (EUR end)	(5) 1 (3) 5 (2) 2018 3.94	(0) (1) (3) 6 0 2019 3.00	3 1 (2) 1 4 2020 3.14	6 (1) (2) (3) 0 2021 4.03	(1) 0 (3) 2 (2) 2022 2.58	2 (0) (2) - (0) 2023e 2.92	5 (0) (2) - 2 2024e 2.92	6 (0) (3) - 3 2025e 2.92
Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow VALUATION (EURm) Share price (EUR end) Number of shares end period	(5) 1 (3) 5 (2) 2018 3.94 35	(0) (1) (3) 6 0 2019 3.00	3 1 (2) 1 4 2020 3.14 14	6 (1) (2) (3) 0 2021 4.03 14	(1) 0 (3) 2 (2) 2022 2.58 14	2 (0) (2) - (0) 2023e 2.92 15	5 (0) (2) - 2 2 2024e 2.92 15	6 (0) (3) - 3 2025e 2.92 15
Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow VALUATION (EURm) Share price (EUR end) Number of shares end period Net interest bearing debt	(5) 1 (3) 5 (2) 2018 3.94 35 (4)	(0) (1) (3) 6 0 2019 3.00 14 (6)	3 1 (2) 1 4 2020 3.14 14 (9) 36 1.1	6 (1) (2) (3) 0 2021 4.03 14 (9)	(1) 0 (3) 2 (2) 2022 2.58 14 (5)	2 (0) (2) - (0) 2023e 2.92 15 (6) 37 0.9	5 (0) (2) - 2 2 2024e 2.92 15 (8)	6 (0) (3) - 3 2025e 2.92 15 (11)
Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow VALUATION (EURm) Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value	(5) 1 (3) 5 (2) 2018 3.94 35 (4) 133	(0) (1) (3) 6 0 2019 3.00 14 (6) 36	3 1 (2) 1 4 2020 3.14 14 (9) 36	6 (1) (2) (3) 0 2021 4.03 14 (9) 48	(1) 0 (3) 2 (2) 2022 2.58 14 (5) 31	2 (0) (2) - (0) 2023e 2.92 15 (6) 37	5 (0) (2) - 2 2024e 2.92 15 (8) 35	6 (0) (3) - 3 2025e 2.92 15 (11) 31
Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow VALUATION (EURm) Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales	(5) 1 (3) 5 (2) 2018 3.94 35 (4) 133	(0) (1) (3) 6 0 2019 3.00 14 (6) 36	3 1 (2) 1 4 2020 3.14 14 (9) 36 1.1	6 (1) (2) (3) 0 2021 4.03 14 (9) 48 1.3 10.9 37.0	(1) 0 (3) 2 (2) 2022 2.58 14 (5) 31 0.9	2 (0) (2) - (0) 2023e 2.92 15 (6) 37 0.9	5 (0) (2) - 2 2024e 2.92 15 (8) 35 0.8	6 (0) (3) - 3 2025e 2.92 15 (11) 31 0.6
Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow VALUATION (EURm) Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA	(5) 1 (3) 5 (2) 2018 3.94 35 (4) 133	(0) (1) (3) 6 0 2019 3.00 14 (6) 36	3 1 (2) 1 4 2020 3.14 14 (9) 36 1.1 8.1	6 (1) (2) (3) 0 2021 4.03 14 (9) 48 1.3 10.9	(1) 0 (3) 2 (2) 2022 2.58 14 (5) 31 0.9	2 (0) (2) - (0) 2023e 2.92 15 (6) 37 0.9 8.8	5 (0) (2) - 2 2024e 2.92 15 (8) 35 0.8 5.1	6 (0) (3) - 3 2025e 2.92 15 (11) 31 0.6 3.7
Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow VALUATION (EURm) Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA EV/EBIT	(5) 1 (3) 5 (2) 2018 3.94 35 (4) 133	(0) (1) (3) 6 0 2019 3.00 14 (6) 36 1.2	3 1 (2) 1 4 2020 3.14 (9) 36 1.1 8.1 36.0 55.7 55.7	6 (1) (2) (3) 0 2021 4.03 14 (9) 48 1.3 10.9 37.0	(1) 0 (3) 2 (2) 2022 2.58 14 (5) 31 0.9 78.4	2 (0) (2) - (0) 2023e 2.92 15 (6) 37 0.9 8.8	5 (0) (2) - 2 2024e 2.92 15 (8) 35 0.8 5.1 12.1	6 (0) (3) - 3 2025e 2.92 15 (11) 31 0.6 3.7 7.4
Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow 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	(5) 1 (3) 5 (2) 2018 3.94 35 (4) 133	(0) (1) (3) 6 0 2019 3.00 14 (6) 36 1.2	3 1 (2) 1 4 2020 3.14 (9) 36 1.1 8.1 36.0 55.7	6 (1) (2) (3) 0 2021 4.03 14 (9) 48 1.3 10.9 37.0 71.5	(1) 0 (3) 2 (2) 2022 2.58 14 (5) 31 0.9 78.4	2 (0) (2) - (0) 2023e 2.92 15 (6) 37 0.9 8.8	5 (0) (2) - 2 2024e 2.92 15 (8) 35 0.8 5.1 12.1 16.9	6 (0) (3) - 3 2025e 2.92 15 (11) 31 0.6 3.7 7.4 10.7
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Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow 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	(5) 1 (3) 5 (2) 2018 3.94 35 (4) 133 4.3 - - - 10.1	(0) (1) (3) 6 0 2019 3.00 14 (6) 36 1.2 - - 2.7	3 1 (2) 1 4 2020 3.14 14 (9) 36 1.1 8.1 36.0 55.7 55.7 2.7	6 (1) (2) (3) 0 2021 4.03 14 (9) 48 1.3 10.9 37.0 71.5 71.5 3.3	(1) 0 (3) 2 (2) 2022 2.58 14 (5) 31 0.9 78.4 - - - 2.6	2 (0) (2) - (0) 2023e 2.92 15 (6) 37 0.9 8.8 - - - 3.0	5 (0) (2) - 2 2024e 2.92 15 (8) 35 0.8 5.1 12.1 16.9 16.9 2.5	6 (0) (3) - 3 2025e 2.92 15 (11) 31 0.6 3.7 7.4 10.7 10.7 2.0
Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow 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 ROE adjusted (%)	(5) 1 (3) 5 (2) 2018 3.94 35 (4) 133 4.3 - - 10.1	(0) (1) (3) 6 0 2019 3.00 14 (6) 36 1.2 2.7 2019	3 1 (2) 1 4 2020 3.14 14 (9) 36 1.1 8.1 36.0 55.7 55.7 2.7	6 (1) (2) (3) 0 2021 4.03 14 (9) 48 1.3 10.9 37.0 71.5 71.5 3.3 2021 4.7	(1) 0 (3) 2 (2) 2022 2.58 14 (5) 31 0.9 78.4 - - 2.6	2 (0) (2) - (0) 2023e 2.92 15 (6) 37 0.9 8.8 - - - 3.0	5 (0) (2) - 2 2024e 2.92 15 (8) 35 0.8 5.1 12.1 16.9 16.9 2.5 2024e 16.2	6 (0) (3) - 3 2025e 2.92 15 (11) 31 0.6 3.7 7.4 10.7 10.7 2.0
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Cash earnings Change in working capital Cash flow from investments Cash flow from financing Net cash flow 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 ROE adjusted (%) Dividend yield (%) EBITDA margin (%)	(5) 1 (3) 5 (2) 2018 3.94 35 (4) 133 4.3 - - 10.1	(0) (1) (3) 6 0 2019 3.00 14 (6) 36 1.2 2.7 2019	3 1 (2) 1 4 2020 3.14 14 (9) 36 1.1 8.1 36.0 55.7 55.7 2.7 2020 5.0	6 (1) (2) (3) 0 2021 4.03 14 (9) 48 1.3 10.9 37.0 71.5 71.5 3.3 2021 4.7 - 12.3	(1) 0 (3) 2 (2) 2022 2.58 14 (5) 31 0.9 78.4 - - 2.6 2022	2 (0) (2) - (0) 2023e 2.92 15 (6) 37 0.9 8.8 - - - 3.0 2023e	5 (0) (2) - 2 2024e 2.92 15 (8) 35 0.8 5.1 12.1 16.9 16.9 2.5 2024e 16.2 - 15.2	6 (0) (3) - 3 2025e 2.92 15 (11) 31 0.6 3.7 7.4 10.7 2.0 2025e 21.1 - 17.0

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Companies	No. of shares	Holdings in %
Bonheur	239,220	0.56%
Par eto Bank	14,702,827	21.05%
Sel vaag Bolig	4,671,772	4.98%
Spar ebank 1 Nor d-Nor ge	5,011,402	4.99%
Spar ebank 1 SM N	2,800,974	2.16%
Spar ebank 1 SR-Bank	2,406,375	0.94%
SpareBank 1 Østfold Akershus	1,237,140	9.99%
Spar eBank 1 Østlandet	5,772,206	5.44%
Spar ebanken Mør e	566,833	1.15%
Spar ebanken Sør	333,149	2.13%
Spar ebanken Vest	7,801,295	7.27%
NEXT Biometrics	700,000	0.76%
Spar eBank 1 Sør øst-Nor ge	2,746,539	4.35%

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Company	Analyst holdings*	Total holdings
Aker ASA	500	2,288
Aker BP	0	10,968
Aker Horizons	0	170,767
Aker Solutions	0	1,388
AMSC ASA	0	3,600
Aprila Bank ASA	0	22,675
ArcticZymes Technologies	0	1,434
Atlantic Sapphir e	0	7,500
AURELIUS Equity Opportunities	0	500
Austevoll Seaf ood	0	3,548
Awil co LNG	0	30,000
Belships	0	40,000
BioInvent	0	15,000
Bonheur	0	30,350
Borregaard ASA	0	518
Bouvet	0	980
BW Energy	0	98,336
BW Of f shore	0	4,900
Cloudberry Clean Energy	0	100,000
DNB	0	33,577
DNO	0	71,391
Edda Wind	0	5,000
Elkem	0	44,876
Elmer a Group ASA	0	21,305
Embracer Group	0	8,600
Equinor	0	1,616
Europris	0	18,103
Flex LNG	0	935
Frontline	0	10,500
Gaming Innovation Group	0	25,000

Company	Analyst holdings*	Total holdings
Gjensidige Forsikring	519	1.960
Grieg Seaf ood	0	13.491
Haf nia Ltd.	0	110,220
Huddly	0	1,038,823
Hydr ogenPr o	0	34,922
International Petroleum Corp	0	5,511
Kahoot	0	36,577
Kambi Group plc	0	430
Kinnevik AB	0	315
Kitron	0	2,314
Komplett ASA	0	20,000
Komplett Bank	0	153,800
Kongsber g Gr uppen	0	500
Lea bank	0	16,355
Ler øy Seaf ood Group	0	38,951
Media and Games Invest	0	5,000
Meltwater	0	24,000
Mowi Multitude	0	2,742 2,443
	_	
NEXT Biometrics	0	700,000 6.883
NORBIT ASA	0	3,706
Nor dic Semi conductor	0	12,133
Nor sk Hydr o	0	80.711
Norske Skog	0	83,449
Northern Drilling Ltd.	0	238,550
Odfjell Drilling	0	2.081
Okeanis Eco Tankers	0	290
Orkla	0	8,526
Panor o Ener gy	0	12.733
Par eto Bank	0	732,481
PetroTal	0	74,000
Pexip Holding	0	507,095
Protector Forsikring	0	7,300
PyrumInnovations	0	100
Quantaf uel	0	23,665
REC Silicon	0	32,490
Sal M ar	0	3,724
Sandnes Spar ebank	0	2,500
Scatec	0	30,129
Seadrill Ltd	0	10,300
SignUp Sof twar e	0	1,264
Spar ebank 1 Nor d-Nor ge	725	5,725
Spar ebank 1 SMN	0	10,171
Spar ebank 1 SR-Bank	0	8,545
Spar eBank 1 Østlandet	1,100	11,100
Sparebanken Møre Sparebanken Sør	0	1,080 15,840
	0	15,840 2,994
Sparebanken Vest Stolt-Nielsen	0	2,994
Storebrand	100	3,110
Storytel	0	5,390
Subsea 7	0	28,470
Telenor	0	3.004
TGS	0	10,830
TORM	0	2,500
Transocean	0	10.000
Valaris	0	3,000
Vestas Wind Systems	0	1,235
Vow	0	3,281
Vår Energi	0	92,943
Webstep	0	2,000
Yara	0	16,014
Zaptec	0	2,400
AAC Clyde Space	0	52,700
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This overview is updated monthly (last updated 15.02.2023).

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

Appendix B

Disclosure requirements in accordance with Article 6(1)(c)(iii) of Commission Delegated Regulation (EU) 2016/958

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:

Add Energy
Aker Clean Hydrogen
Aker Off shore Wind
Aker shus Energi Varme AS
Alva Industries AS
American Shipping Company B2Holding AS Bekk og Strøm AS, SV Vattenkraf t AB Benchmark Holdings BioInvent BioInvent
Bluewater Holding
Bor r Drilling
Brooge Petroleum and Gas
BWLPG
Cabonline Group Holding AB
Cadeler
CCSFinansiering AS
CERAFILTEC
Cloudber ry Clean Ener gy
COOL Company
DNO DNO EdR Certified Origin Physical Gold Plc Endur ASA First Camp Group Haf ni a Ltd Haf slund Eco Hospitality Inves House of Control House of Control
HydrogenPro
Ice Group
Idavang A/S
Island Green Pow
KMC Properties
Kraft Bank
Kron AS
Kruse Smith Kruse Smith Kvitebjørn Energi AS M agnor a Maha Energy Memmo Family Mime Petroleum Multitude SE Nor Am Drilling Nor di c Unma Nor eco Nor eco
Nor landia Health & Care Group
Nor se Atlantic
Nor ske Skog
Nor ther n Ocean
Okea AS
Pandian Engray Pandi on Ener gy Par eto Bank PHM Group Holding Holding Polight ASA Proximar Seafood Pryme Pul Pac AB Qr ed Holding Salmon Evolution
Scala Eiendom
Schietter International B.V
Shamar an Petroleum
Sandard Supply AS
Tier klinik Hof heim GbR
Tise AS
Trander ener gi AS
Viking Venture 27 AS
Viking Venture 28 AS
Waste Plastic Upcycling Salmon Evolution Waste Plastic Upcycling Wattif EV Ørn Software

This overview is updated monthly (this overview is for the period 01.02.2022 – 31.01.2023).

Appendix C

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

Distribution of recommendations

Buv	70%
Hold	25%
Sell	4%
Distribution of recommendations (transactions*)	
Recommendation	% distribution

Hold
Sell
*Companies under coverage with which Pareto Securities Group has on-going or completed public

This overview is updated monthly (last updated 15.02.2023).

Appendix D

This section applies to research reports prepared by Pareto Securities AB.

Disclosure of positions in financial instruments

The beneficial holding of the Pareto Group is 1 % or more of the total share capital of the following companies included in Pareto Securities AB's research coverage universe: None

The Pareto Group has material holdings of other financial instruments than shares issued by the following companies included in Pareto Securities AB's research coverage universe: None

Disclosure of assignments and mandates

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

 ADDvise Group AB
 Hexicon AB
 Sedana Medical

 Azello AB
 Linkt ir e A / S
 SignUp Soft tware AB

 Biovica International AB
 Mentice AB
 Xbrane Biophar ma AB

 Boule Diagnostics AB
 Media & Games Invest plc
 VEF AB

 Cibus Nor dic Real Estate AB
 NGEx Miner als Ltd
 Vicor e Phar ma Holding AB

 Clinis Fertilizer AB
 Renewcell AB
 VNV Global AB

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:

Implantica Mentice AB Signup Software
Linkf ire Sedana Medical VEF
Media & Games Invest plc.

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

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

Aar hus Rssidentials Fleming Properties AB Logistri Fastighets AB
Backaheden Fastighets AB Hallsell Property Invest AB Mälar åsen AB
Bonäsudden Holding AB (publ) Halmalätten Fastighets AB (publ) One Publicus Fastighets AB
Borglands Fastighets AB (publ) Origa Care AB (publ)
Bosjö Fastigheter AB Krona Public Real Estate AB Preservium Property AB

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 15.02.2023).

Appendix E

Disclosure requirements in accordance with Article 6(1)(c)(i) of Commission Delegated Regulation (EU) 2016/958

Designated Sponsor

Pareto 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 Ener gy AG INTERSHOP Communications AG Progress-Werk Oberkirch AG ad pepper m Biotest AG IVU Traffic AG Kontron AG Pryme B.V. PSI AG PSI AG
Salmones Camanchaca S.A.
Seven Principles AG
SWOP APPTHEKE EUROPE N.V.
SMT Scharf AG
Surteco AG
Syzygy AG
TTL Beteiligungs- und Grundbesitz AG
Hizin Litz SF Biotest AG Pf d Leif heit AG Biotest AG Pfd.

Cor estate Capital Holding S.A.

Daldrup & Sohne AG

DEMIRE AG

DF Deutsche Fortf ait AG

epigenomics AG

Foris AG

GERRY WEBER International AG

Gesch AG manz AG
MAX Automation SE
Merkur Privatbank AG
Meta Wolf AG
MLP SE
MPC Container Ships ASA Muehlhahn AG Mutar es SE & Co. KGaA Uzin Utz SE VERIANOS SE Gesco AG GFT Technologies SE Gigaset AG OVB Holding AG ProCredit Holding AG Viscom AG WPU - Waste Plastic Upcycling AS Heidelber g Phar ma AG

Appendix F

Disclosure requirements in accordance with Article 6(1)(c)(iv) of Commission Delegated Regulation (EU) 2016/958

Sponsored Research

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

Gesco AG 2G Ener gy AG Mutares SE & Co. KGaA BayWa A G BB Biotech A G GFT Technologies SE Gigaset AG Mynaric AG OHB SE ProCredit Holding AG Biotest AG Heidelber g Phar ma AG Biotest AG Pf d Hypoport SE INTERSHOP Communications AG Progress-Werk Oberkirch AG PSIAG Cliq Digital AG Cliq Digital AG
Daldr up & Söhne AG
Der maphar m Holding SE
Enapter AG
epigenomics AG
Expression Biotech Holding AB
GERRY WEBER International AG Kontr on AG Siegfried Holding AG SMT Scharf AG Leif heit AG

Thisoverviewisupdated monthly (last updated 15.02.2023).

% distribution