

DNB Carnegie[®] Access

COMPANY UPDATE Software & Services

Fair value: SEK15.0–21.0 Share price: SEK12.1

Beyond Frames

Gorn 2 to drive margins sooner than expected – Q1 review

Beyond Frames reported Q1 sales and EBITDA below our estimates. Given the strong releases at the start of Q2, we expect the EBITDA margin to expand in 2025, especially during H2. We have reduced our fair value range to SEK15–21 (18–26).

Lacklustre Q1 report. Sales were SEK39.1m versus our SEK43.0m estimate, corresponding to a decline of 9.5% Q/Q and 34% Y/Y. The latter decline was expected due to the relaunch of Ghost of Tabor and high milestone payments in Q1 2024. EBITDA was SEK3.1m, below our SEK9.4m forecast, reflecting lower sales and mix effects.

Estimates reduced on uncertainty. We have cut our 2025–27e sales by 11% on average due to Q1 sales and the update that GRIM has struggled to gain momentum, and EBITDA by 12% on average for the same period. We expect the EBITDA margin to expand once the share of projects from own studios increases.

Release schedule key for equity story. We believe the main driver of our equity story is a change in mix, with an increased share of revenue from the business area Studios. Given the success of Gorn 2, where the company says project funding will be repaid earlier than expected, we forecast an expanding EBITDA margin in H2. During and post-Q1, Beyond Frames secured additional financing for Teenage Mutant Ninja Turtles, a key project in our estimated margin expansion.

EV/sales NTM discount suggests market expects capital raise. The stock is trading at an EV/sales NTM of 0.9x (FactSet consensus) versus the 2023–25e median of 1.9x. With our lowered estimates, we have reduced our fair value range to SEK15–21 (18–26).

Changes in this re	eport			Key figures (SEK)	2024	2025e	2026e	2027e	Share price – 5-year
	From	То	Chç	Sales (m)	176	180	204	238	
EPS adj. 2025e	0.20	-0.13	-163%	EBITDA (m)	14	30	49	64	45.0
EPS adj. 2026e	0.90	0.72	-21%	EBIT (m)	-17	-1	17	32	40.0
EPS adj. 2027e	1.59	1.37	-14%	EPS	-1.12	-0.13	0.72	1.37	35.0
Upcoming events				EPS adj.	-1.12	-0.13	0.72	1.37	25.0
				DPS	0.00	0.00	0.00	0.00	20.0
				Sales growth Y/Y	28%	2%	14%	17%	15.0
				EPS adj. growth Y/Y	-chg	+chg	+chg	91%	10.0
Key facts				EBIT margin	-9.6%	-0.6%	8.4%	13.4%	5.0
-			10.5	P/E adj.	n.m.	n.m.	16.8	8.8	0.0
No. shares (m)			18.5	EV/EBIT	neg.	neg.	11.4	5.3	May May May May May 2020 2021 2022 2023 2024
Market cap. (USDm)			23	EV/EBITA	neg.	neg.	11.4	5.3	2020 2021 2022 2023 2024
Market cap. (SEKm) Net IB Debt. (SEKm)			223 -14	EV/EBITDA	11.7	7.1	3.9	2.6	Beyond Frames
Adjustments (SEKm)			-14	P/BV	3.2	3.0	2.6	2.0	
EV (2025e) (SEKm)			209	Dividend yield	0.0%	0.0%	0.0%	0.0%	OMX Stockholm_PI (Se) (Rebased)
Free float			0.0%	FCF yield	-7.7%	-2.2%	6.6%	12.2%	High/Low (12M) SEK23.8/8.2
Avg. daily vol. ('000)			41	Equity/Total Assets	71.0%	55.4%	58.0%	62.2%	
BBG		BEYO	ND SS	ROCE	-25.7%	-1.7%	16.3%	25.7%	Perf. 3M 6M 12M YT
Fiscal year end		Dee	cember	ROE adj.	-26.0%	-3.3%	16.6%	25.5%	Abs. 31.84 12.09 -50.61 16.99
Share price as of (CE	T) 23	May 202	5 09:01	Net IB debt/EBITDA	-0.5	-0.5	-0.6	-0.9	Rel. 40.70 13.13 -44.99 17.78

Source: DNB Carnegie (estimates), FactSet, Infront & company data

This report has been commissioned and sponsored by Beyond Frames. Commissioned research is considered to be marketing communication (i.e. not investment research under MiFID II). This material may be subject to restrictions on distribution in certain areas.

Research analysts:

Rikard Engberg DNB Carnegie Investment Bank AB

Please see the last two pages for important disclosures. This report was completed and disseminated at 23 May 2025, 10:21 CET This report was not produced in the US. Analysts employed by non-US affiliates are not registered/qualified research analysts in the United States.

Carnegie

Beyond Frames

We believe the two releases from Combat Waffle Studios, GRIM and Silent North, will be key for the share price in the coming 6–12 months. The revious release from Combat Waffle Studios, Ghosts of Tabor, has surpassed USD30m in sales since its release.
n our view, the main long-term driver for Beyond Frames is the adaption of XR (extended reality) as a form of entertainment. As devices for XR aming become more affordable and volumes increase, demand for content should increase, benefiting a publisher and developer such as Beyond Prames. The release of the Teenage Mutant Ninja Turtles game in H2 2026 should be a major catalyst for the company, as it estimates the title's revenue t SEK35m–700m. As the game will be developed by Beyond Frames, the gross margin should be higher than historical levels.
Game development risk. Liquidity risk. Beyond Frames does not have positive cashflow. Hardware risk. Beyond Frames is dependent on an increased use of hardware. It works closely with the leading headset provider Meta, but should a competitor arise, it could lead to a drop in sales as it would require Beyond Frames to make its games compatible with more hardware.
t

Beyond Frames is an XR-focused publisher with its development studios Cortopia, Moon Mode and partner studio Odd Raven. Through creative and technical consulting, funding and publishing services, Beyond Frames partners with studios to make XR products.

Key industry drivers

- Higher usage of XR/VR devices
- Increased share of capital allocated to XR/VR games

Industry outlook

Sales of XR devices increase, driving demand for content

Largest shareholders,	capital
Magnus Unger	16.5%
Arvr Holding AB	14.4%
Avanza Pension	12.4%

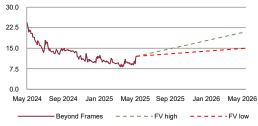
Cyclicality

Key peers Embracer, Paradox, Meta, Unity Software Cyclicality: N/A

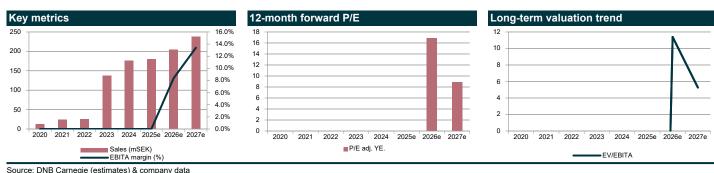
Valuation and methodology

We use a DCF to determine our fair value range. In the extended estimate period (2027-44), we forecast the EBITDA margin to normalise at 26%. We also estimate a declining growth rate from 22% in 2028 to 4% in 2044.

Fair value range 12M

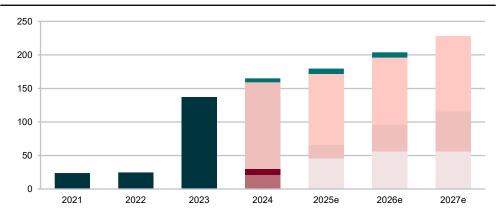


The upper part of our fair value range corresponds to a WACC of 18%. In this scenario, we assume the releases of Combat Waffle, GRIM and Silent North are well received. The lower end of our fair value range corresponds to a WACC of 22%. In this scenario, we see less positive attention from the coming releases. This could put a strain on Beyond Frames' financial position.





Beyond Frames in charts

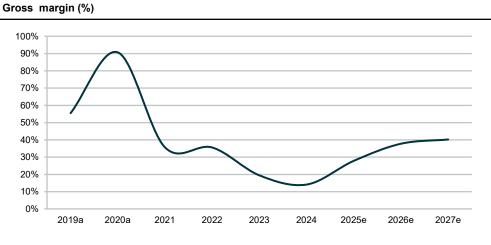


Sales mix (SEKm)

Ghosts of Tabor has reached generated revenue over USD30m during its lifetime, highlighting Beyond Frames knowhow in publishing – we estimate a change in mix with more titles released from own studios and with external financing...

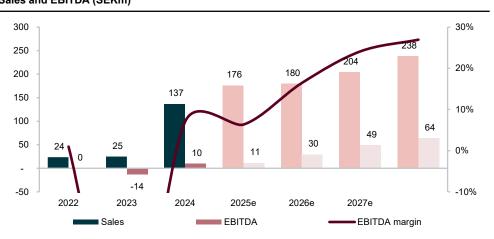
Sales Milestones/Externaly financed projects Own projects Ghosts of Tabor/Combat Waffle Work for hire

Source: DNB Carnegie (estimates) & company data



...we forecast a shift in revenue mix to lead to gross margin expansion...

> Source: DNB Carnegie (estimates) & company data Sales and EBITDA (SEKm)



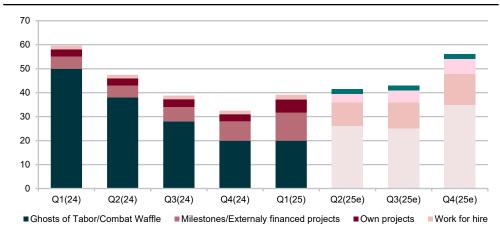
...driving the EBITDA margin in 2025–27e

Given the release of Silent North in Q2, we estimate sales growth Q/Q

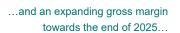


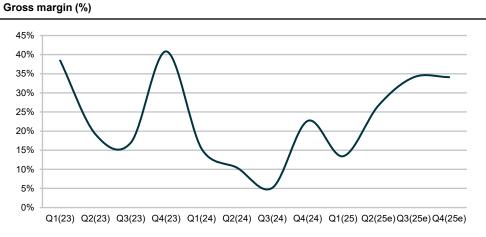
Beyond Frames

Segments (SEKm)



Source: DNB Carnegie (estimates) & company data

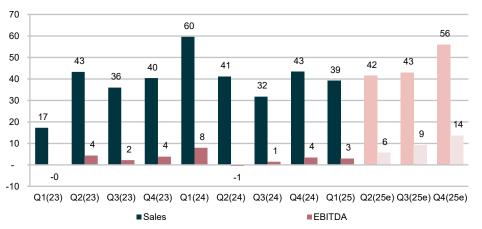




Source: DNB Carnegie (estimates) & company data



...with estimated EBITDA margin expansion during the year





Carnegie[®] Access

Valuation

We use a DCF to set our fair value range of SEK15.0–21.0, given the lack of peers in a similar commercial stage as Beyond Frames.

					Average	/ear		Terminal
DCF assumptions - Summary	2025e	2026e	2027e	4-5	6-10	11-15	16-20	period
Total sales growth	2.2%	13.6%	16.7%	21.5%	20.4%	14.0%	5.2%	2.0%
EBITDA margin	16.4%	24.2%	26.9%	26.0%	26.0%	26.0%	26.0%	26.0%
Depreciation % of sales	-17.0%	-15.8%	-13.6%	-13.6%	-13.6%	-13.6%	-13.6%	-13.6%
EBITA margin	-0.6%	8.4%	13.4%	12.4%	12.4%	12.4%	12.4%	12.4%
Amortisations % of sales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
EBIT margin	-0.6%	8.4%	13.4%	12.4%	12.4%	12.4%	12.4%	12.4%
Capex % of sales	-19.0%	-15.7%	-13.5%	-13.5%	-13.5%	-13.5%	-13.5%	-13.5%
Paid tax rate	0.0%	0.0%	0.0%	-20.6%	-20.6%	-20.6%	-20.6%	-20.6%
NWC to sales	-4.9%	-4.9%	-4.9%	-4.9%	-4.9%	-4.9%	-4.9%	-4.9%
Sales	180	204	238	321	641	1,383	2,030	2,244
EBITDA	30	49	64	83	167	359	528	583
Capex	-34	-32	-32	-43	-86	-186	-274	-304
Taxes	-1	-4	-7	-8	-16	-35	-52	58
Other	2	1	2	3	5	8	5	781
Free cash flow	-4	15	27	35	69	146	207	1,118
Discounted FCF	-4	11	17	16	15	12	7	23
Share of total discounted FCF	-1%	4%	7%	13%	31%	24%	13%	9%
Valuation	(curr.)m	Per share	Per share	w	ACC assumpti	ons		
EV (discounted FCF)	246	13	20		sk-free rate			4.00%
- Net debt (2024)	7	0	0	м	arket risk premi	um		4.00%
+ Associates	0	0	0	A	justed Beta			100.00%
- Minority interest	0	0	0		ountry risk prem	ium		0.00%
- Outstanding warrants	0	0	0	Li	quidity risk pren	nium		0.00%
Other debt adjustments	0	0	0	E	SG risk (-1% to	+1%)		0.00%
Equity value at YE (25)	253	14	20	C	ost of equity	,		22.00%
Time adjustment	20	1	1		isk-free rate			4.00%
Dividend	0	0	0	C	redit spread			1.56%
Current equity value	274	15	21	C	ost of debt (Rf +	credit spread)	0.0% 12.4% -13.5% -20.6% -4.9% 2,030 528 -274 -52 5 207 7 713%	5.56%
				Ta	axes			24.00%
				At	ter-tax cost of d	ebt		4.23%
					quity weight ACC			100.00% 22.00%

EV/sales NTM 2023-25



We believe the discount in EV/sales

NTM reflects the market expecting a

capital raise during the year

Source:Factset



Risks

Game development risk: There are numerous risks linked to game development; these are primarily related to risk of delays and risk of not having enough budget discipline. We believe Beyond Frames has partly mitigated these risks by having funding partners in development.

Game release risk: There is always a risk that a game will not be well received once it has been released and that sales do not reach estimated levels. We deem this risk higher when games are not linked to a major gaming franchise. While this is difficult for a publisher/developer to mitigate, we believe Beyond Frames tries to be close to the customers and the ecosystem.

Hardware related risks: Beyond Frames has a strong position within the Meta Quest universe and has launched Ghosts of Tabor on PlayStation VR. There are other ecosystems, but Meta Quest dominates the market and Beyond Frames games can be played on some of these headsets.

Liquidity risk: Beyond Frames had cash and cash equivalents of SEK9m in Q3 2024 and added SEK10m in a directed share issue in January 2025. We believe the current planed releases will return cashflow to positive in 2025.



Estimate changes

Beyond Frames - Estimate changes	2025e	2025e		2026e	2026e		2027e	2027e	
	Old	New	Chg	Old	New	Chg	Old	New	Chg
Sales	196	180	-8%	235	204	-13%	266	238	-11%
Growth	12%	2%	-939 bps	20%	14%	-624 bps	13%	17%	+348 bps
EBITDA	37	30	-21%	54	49	-8%	69	64	-8%
EBITDA margin	19.0%	16.4%	-256 bps	22.9%	24.2%	+131 bps	26.1%	26.9%	+84 bps
EO	0	0	n.m	0	0	n.m	0	0	n.m
Adj. EBITDA	37	30	-21%	54	49	-8%	69	64	-8%
Adj. EBITDA marign	19.0%	16.4%	-256 bps	22.9%	24.2%	+131 bps	26.1%	26.9%	+84 bps
Pre-tax profit	5	-1	-128%	22	17	-21%	37	32	-14%
Net profit	4	-2	-163%	17	13	-21%	30	25	-14%
EPS	0.2	-0.1	-163%	0.9	0.7	-21%	2	1.4	-14%
EPS adj	0.2	-0.1	-163%	0.9	0.7	-21%	1.6	1.4	-14%



Beyond Frames

Interim figures												
QUARTERLY DATA (SEKm)	2023Q1	2023Q2	2023Q3	2023Q4	2024Q1	2024Q2	2024Q3	2024Q4	2025Q1	2025Q2e	2025Q3e	2025Q4e
Financial Year End	2023-03-31	2023-06-30	2023-09-30	2023-12-31	2024-03-31	2024-06-30	2024-09-30	2024-12-31	2025-03-31	2025-06-30	2025-09-30	2025-12-31
Sales	17	43	36	40	60	41	32	43	39	42	43	56
EBITDA	0	4	2	3	8	-1	1	4	3	6	9	14
EBITA	-4	0	-2	-1	0	-9	-7	-4	-3	-2	1	6
Adjusted EBITA	-4	0	-2	-1	0	-9	-7	-4	-3	-2	1	6
EBIT	-4	0	-2	-1	0	-9	-7	-4	-3	-2	1	6
Adjusted EBIT	-4	0	-2	-1	0	-9	-7	-4	-3	-2	1	6
Net Financial Items	0	0	0	0	1	0	-2	1	0	0	0	0
EAFI	-4	0	0	0	0	0	0	0	0	0	0	0
Pre-Tax Profit	-3	1	-2	-4	1	-9	-7	-4	-4	-2	1	6
Adjusted Pre-Tax Profit	-3	1	-2	-4	1	-9	-7	-4	-4	-2	1	6
Net Profit	-3	1	-2	-4	1	-9	-7	-4	-4	-2	1	6
Adjusted Net Profit	-3	1	-2	-4	1	-9	-7	-4	-4	-2	1	6
EPS	-0.2	0.1	-0.1	-0.2	0.0	-0.5	-0.4	-0.3	-0.2	-0.1	0.1	0.3
Adjusted EPS	-0.2	0.1	-0.1	-0.2	0.0	-0.5	-0.4	-0.3	-0.2	-0.1	0.1	0.3

Company Data, Carnegie Research



Beyond Frames

Financial statements										
Profit & loss (SEKm)	2018	2019	2020	2021	2022	2023	2024	2025e	2026e	2027e
Sales	2	4	13	24	25	137	176	180	204	238
COGS	-4	-2	-1	-15	-16	-110	-151	-130	-127	-142
Gross profit	-2	2	11	8	9	27	25	50	77	96
Other income & costs	-8	-12	-9	-10	-22	-17	-10	-21	-28	-32
Share in ass. operations and JV	0	0	0	0	-2	0	0	0	0	0
EBITDA Depreciation PBE	-10 0	-10 0	2 0	-1 0	-15 0	10 0	14 0	30 0	49 0	64 0
Depreciation PPE Depreciation lease assets	0	0	0	0	0	0	0	0	0	0
Amortisation development costs	0	0	0	0	0	0	0	-31	-32	-32
Amortisation other intangibles	-2	-6	-6	-8	-8	-16	-31	0	-52	-32
Impairments / writedowns	0	0	0	0	0	0	0	0	0	0
EBITA	-12	-16	-4	-9	-23	-6	-17	-1	17	32
Amortization acquisition related	0	0	0	0	0	0	0	0	0	0
Impairment acquisition related	0	0	0	0	0	0	0	0	0	0
EBIT	-12	-16	-4	-9	-23	-6	-17	-1	17	32
Share in ass. operations and JV	0	0	0	0	0	0	0	0	0	0
Net financial items	0	0	-3	1	0	-1	-2	0	0	0
of which interest income/expenses	0	0	0	0	0	-1	-2	0	0	0
of which interest on lease liabilities	0	0	0	0	0	0	0	0	0	0
of which other items	0	0	-3	1	0	0	0	0	0	0
Pre-tax profit	-12	-16	-8	-8	-23	-8	-19	-1	17	32
Taxes	-1	0	0	0	0	0	0	-1	-4	-7
Post-tax minorities interest	0	0	0	0	0	0	0	0	0	0
Discontinued operations	0	0	0	0	0	0	0	0	0	0
Net profit	-13	-16	-8	-9	-23	-8	-19	-2	13	25
Adjusted EBITDA	-10	-10	2	-1	-15	10	14	30	49	64
Adjusted EBITA	-12	-16	-4	-9	-23	-6	-17	-1	17	32
Adjusted EBIT	-12	-16	-4	-9	-23	-6	-17	-1	17	32
Adjusted net profit	-13	-16	-8	-9	-23	-8	-19	-2	13	25
Sales growth Y/Y	+chg	132.3%	257.5%	88.5%	4.5%	451.8%	28.4%	2.2%	13.6%	16.7%
EBITDA growth Y/Y	-chg	+chg	+chg	-chg	-chg	+chg	41.5%	105.3%	67.2%	30.0%
EBITA growth Y/Y	-chg	-chg	+chg	-chg	-chg	+chg	-chg	+chg	+chg	86.4%
EBIT growth Y/Y	-chg	-chg	+chg	-chg	-chg	+chg	-chg	+chg	+chg	86.4%
EBITDA margin	-664.1%	-278.0%	15.7%	-6.3%	-54.5%	7.4%	8.5%	16.4%	24.2%	26.9%
EBITA margin	nm	nm	nm	nm	nm	nm	nm	nm	8.4%	13.4%
EBIT margin	-818.5%	-456.8%	-32.0%	-39.7%	-91.3%	-4.6%	-9.6%	-0.6%	8.4%	13.4%
Tax rate	-6.7%	na	na	na	na	na	na	na	na	na
Cash flow (SEKm)	2018	2019	2020	2021	2022	2023	2024	2025e	2026e	2027e
EBITDA	-10	-10	2	-1	-15	10	14	30	49	64
Paid taxes	0	0	0	0	0	0	0	-1	-4	-7
Change in NWC	0	-8	-8	-8	2	3	6	2	1	2
Discontinued operations	0	0	0	0	0	0	0	0	0	0
Total operating activities	-10	-18	-6	-10	-13	13	19	30	47	59
Capex tangible assets	0	0	0	-2	-2	-1	0	0	0	0
Capitalised development costs	0	-8	-6	-6	-23	-26	-34	-34	-32	-32
Capex - other intangible assets	0	0	0	-11	-1	-10	0	0	0	0
Acquisitions/divestments	-9	-8	0	1	0	-1	0	0	0	0
Other non-cash adjustments	0	0	0	0	0	0	0	0	0	0
Total investing activities	-9	-16	-6	-17	-26	-38	-34	-34	-32	-32
Net financial items	0	0	-3	1	0	-1	-2	0	0	0
Lease payments	0	0	0	0	0	0	0	0	0	0
Dividend paid and received	0	0	0	0	0	0	0	0	0	0
Share issues & buybacks	27	3	13	43	42	0	0	10	0	0
Change in bank debt	0	0	0	0	0	0	0	25	0	0
Other cash flow items	0	0	2	0	0	0	1	0	0	0
Total financing activities	27	2	15	43	43	0	1	35	0	0
Operating cash flow	-10	-18	-6	-10	-13	13	19	30	47	59
Free cash flow	-10	-25	-13	-28	-40	-24	-17	-5	15	27
Net cash flow	8	-31	6	14	3	-24	-14	31	15	27
Change in net IB debt	8	-30	1	15	2	-26	-16	5	15	27
Capex / Sales	0.0%	0.0%	0.0%	7.2%	6.8%	0.9%	0.0%	0.0%	0.0%	0.0%
NWC / Sales	-77.9%	-76.2%	-13.2%	-8.8%	-15.3%	-3.8%	-4.0%	-4.5%	-4.6%	-4.5%
	11.070	. 5.2 /0		0.070		0.070				4.070



Beyond Frames

Balance sheet (SEKm)	2018	2019	2020	2021	2022	2023	2024	2025e	2026e	2027
Acquired intangible assets	10	8	2	2	1	1	0	0	0	
Other fixed intangible assets	7	11	11	21	39	61	29	29	29	2
Capitalised development	0	0	0	0	0	0	35	39	39	3
Tangible assets	0 0	0	0 0	2 0	3 0	2 0	1 0	1 0	1 0	
Lease assets Other IB assets (1)	0	0	0	0	0	0	0	0	0	
Other non-IB assets	0	6	4	2	1	2	1	1	1	
Fixed assets	17	25	18	27	44	66	67	71	71	7
Inventories (2)	0	0	0	0	0	0	0	0	0	-
Receivables (2)	0	1	2	3	2	13	13	17	19	2
Prepaid exp. & other NWC items (2)	0	0	0	1	1	2	1	2	3	
IB current assets (1)	0	0	0	0	0	0	0	0	0	
Other current assets	1	9	2	5	3	3	3	3	3	
Cash & cash equivalents (1)	30	1	19	44	48	22	7	39	54	
Current assets	31	11	22	53	55	39	25	62	79	1
Total assets	49	36	40	79	99	105	92	132	149	1
Shareholders' equity	46	32	38	72	92	84	65	73	87	1
Minorities	0	0	0	0	0	0	0	0	0	
Other equity	0	0	0	0	0	0	0	0	0	
Fotal equity	46	32	38	72	92	84	65	73	87	1
Deferred tax	0	0	0	0	0	0	0	0	0	
T IB debt (1)	0 0	0	0 0	0 0	0 0	0 0	0 0	25	25 0	
Other IB provisions (1) _ease libilities	0	0	0	0	0	0	0	0 0	0	
Lease libilities Other non-IB liabilities	0	0	0	0	0	0	0	0	0	
-T liabilities	0	Ő	0	0	0	ő	0	25	25	
ST IB debt (1)	0	0 0	0 0	0	0 0	õ	0 0	0	0	
Payables (2)	1	1	0	3	2	4	5	6	6	
Accrued exp. & other NWC items (2)	2	3	2	4	6	17	17	22	25	
Other ST non-IB liabilities	0	0	0	0	0	0	6	6	6	
iabilities - assets held for sale	0	0	0	0	0	0	0	0	0	
Current liabilities	3	4	2	8	8	21	28	34	38	
Total equity and liabilities	49	36	40	79	99	105	93	132	149	1
Net IB debt (=1)	-30	-1	-19	-44	-48	-22	-7	-14	-29	-
Net working capital (NWC) (=2)	-2	-3	0	-4	-4	-7	-7	-9	-10	-
Capital employed (CE)	46	32	38	72	92	84	65	98	112	1
Capital invested (CI)	15	16	13	21	39	57	23	22	21	
Equity / Total assets	95%	89%	95%	90%	92%	80%	71%	55%	58%	63
Net IB debt / EBITDA	3.0	0.1	-9.5	29.6	3.2	-2.1	-0.5	-0.5	-0.6	-
Per share data (SEK)	2018	2019	2020	2021	2022	2023	2024	2025e	2026e	202
Adj. no. of shares in issue YE (m)	12.52	12.84	14.22	15.76	17.16	17.16	17.54	18.54	18.54	18
Diluted no. of Shares YE (m)	12.52	12.84	14.22	15.76	17.16	17.16	17.54	18.54	18.54	18
EPS	-2.11	-1.24	-0.57	-0.58	-1.38	-0.45	-1.12	-0.13	0.72	1
EPS adj.	-2.11	-1.24	-0.57	-0.58	-1.38	-0.45	-1.12	-0.13	0.72	1
CEPS	-1.74	-0.75	-0.13	-0.05	-0.82	0.53	0.74	1.56	2.46	3
DPS BVPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
	3.67	2.52	2.69	4.55	5.35	4.89	3.73	3.95	4.67	6
Performance measures	2018	2019	2020	2021	2022	2023	2024	2025e	2026e	202
ROE Adj. ROCE pre-tax	-57.6%	-40.3%	-22.0%	-15.8%	-27.8%	-8.9%	-26.0%	-3.3%	16.6%	25.
Adj. ROCE pre-tax	-54.0% na	-40.3% -104.3%	-21.1% -27.4%	-14.6% -55.5%	-27.8% -75.5%	-8.8% -13.0%	-25.7% -42.1%	-1.7% -4.5%	16.3% 79.6%	25. 158.
,										
/aluation	2018	2019	2020	2021	2022	2023	2024	2025e	2026e	202
	-4.4% 0.0%	-11.3% 0.0%	-5.7% 0.0%	-12.7% 0.0%	-17.8%	-10.5% 0.0%	-7.7%	-2.2%	6.6%	12. 0.
Dividend yield YE Dividend payout ratio	0.0%	0.0%	0.0%	0.0%	0.0% 0.0%	0.0%	0.0% 0.0%	0.0% 0.0%	0.0% 0.0%	0.
Dividend + buy backs yield YE	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.
V/Sales YE	45.89	21.57	22.01	21.84	4.80	2.90	0.99	1.17	0.95	C
V/EBITDA YE	neg.	neg.	>50	neg.	neg.	39.1	11.7	7.1	3.9	
V/EBITA YE	neg.	neg.	neg.	neg.	neg.	neg.	neg.	neg.	11.4	
V/EBITA adj. YE	neg.	neg.	neg.	neg.	neg.	neg.	neg.	neg.	11.4	
V/EBIT YE	neg.	neg.	neg.	neg.	neg.	neg.	neg.	neg.	11.4	
	-	-	-	-	-	-	-	-		
P/E YE	nm	nm	nm	nm	nm	nm	nm	nm	16.8	
P/E adj. YE	nm 2.17	nm 2 27	nm 7 74	nm 7 94	nm	nm 4 oo	nm 2.76	nm 2.05	16.8	-
P/BV YE	2.17	2.37	7.74	7.84	1.82	4.99	2.76	3.05	2.58	2
Share price YE (SEK)	7.98	5.98	20.8	35.7	9.76	24.4	10.3	12.1		

Disclosures and disclaimers

DNB Carnegie

DNB Carnegie is a Business Area in the DNB Group comprising: 1) the investment services division of DNB Bank ASA; 2) DNB Carnegie Investment Bank AB (a wholly owned subsidiary of DNB Bank ASA); 3) DNB Markets, Inc. (a wholly owned subsidiary of DNB Bank ASA) and 4) Carnegie, Inc. (a wholly owned subsidiary of DNB Carnegie Investment Bank AB). DNB Carnegie is a leading, Nordic provider of investment banking services.

DNB Carnegie generates added value for institutions, companies and private clients in the areas of trade in securities, investment banking, and securities services.

The research in DNB Carnegie is produced in the investment services division of DNB Bank ASA and DNB Carnegie Investment Bank AB, thus DNB Carnegie should be read as meaning these two entities throughout the disclaimer text.

General

This research report has been prepared by DNB Carnegie and is based on information obtained from various public sources that DNB Carnegie believes to be reliable but has not independently verified, and DNB Carnegie makes no guarantee, representation or warranty as to its accuracy or completeness.

This research report does not, and does not attempt to, contain everything material that there is to be said about the company. Any opinions expressed herein reflect DNB Carnegie's judgement at the time this research report was prepared and are subject to change without notice.

DNB Bank ASA, its affiliates and subsidiaries, their directors, officers, shareholders, employees or agents, are not responsible for any errors or omissions, regardless of the cause, or for the results obtained from the use of this research report, and shall in no event be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profits and opportunity costs) in connection with any use of this research report.

Any use of non-DNB Carnegie logos in this research report is solely for the purpose of assisting in identifying the relevant party. DNB Carnegie is not affiliated with any such party.

DNB Carnegie produces and distributes research reports from 1) the investment services division of DNB Bank ASA; and 2) DNB Carnegie Investment Bank AB (a wholly owned subsidiary of DNB Bank ASA). Clients receiving research reports from DNB Carnegie will therefore receive research reports produced by both companies. This research report is produced in the DNB Carnegie company where the responsible analyst is employed, please see the responsible analyst's name and DNB Carnegie company on the front page under the analyst's name to determine in which DNB Carnegie company this research report is produced.

This research report is distributed in Norway, Singapore and Australia by the investment services division of DNB Bank ASA, in Sweden, Finland and Denmark by DNB Carnegie Investment Bank AB (a wholly owned subsidiary of DNB Bank ASA), and in the US and the UK by the investment services division of DNB Bank ASA and DNB Carnegie Investment Bank AB, respectively.

DNB Carnegie is under supervision

DNB Bank ASA is a bank incorporated in Norway and is authorised and regulated by the Norwegian Financial Supervisory Authority. DNB Bank ASA is established in Singapore and in the UK via its Singapore and UK branches, which are authorised and regulated by the Monetary Authority of Singapore, and on a limited basis by the Financial Conduct Authority and the Prudential Regulation Authority of the UK respectively. DNB Bank ASA is established in Sweden via its Sweden branch which are subject to supervision by the Financial Supervisory Authority of Sweden. DNB Carnegie Investment Bank AB is a bank incorporated in Sweden with limited liability and is authorised and regulated by the Swedish Financial Supervisory Authority. DNB Carnegie Investment Bank AB is established in the UK via its UK branch which is authorised and regulated by the UK Financial Conduct Authority (FCA). DNB Carnegie Investment Bank AB is established in Finland and Denmark via its Finland and Denmark branches which are subject to limited supervision by the respective national Supervisory Authorities.

Further details about the extent of regulation by local authorities outside Norway and Sweden are available on request.

Property rights

This research report is for clients only, and not for publication, and has been prepared for information purposes by DNB Carnegie.

This research report is the property of DNB Carnegie. DNB Carnegie retains all intellectual property rights (including, but not limited to, copyright) relating to this research report. Sell-side investment firms are not allowed any commercial use (including, but not limited to, reproduction and redistribution) of this research report contents, either partially or in full, without DNB Carnegie's explicit and prior written consent. However, buy-side investment drives given to clients on this research report. Such use is dependent on the buy-side investment firm citing DNB Carnegie as the source.

The Report does not constitute investment advice

This research report is made for information purposes only, and does not constitute and should not in any way be considered as an offer to buy or sell any securities or other financial instruments or to participate in any investment strategy. This research report has been prepared as general information and is therefore not intended as a personal recommendation of particular financial instruments or strategies, and does not constitute personal investment advice. Investors should therefore make their own assessments of whether any of the trading ideas described herein are a suitable investment based on the investor's knowledge and experience, financial situation, and investment objectives.

Risk warning

The risk of investing in financial instruments is generally high. Past performance is not a reliable indicator of future performance, and estimates of future performance are based on assumptions that may not be realised. When investing in financial instruments, the value of the investment may increase or decrease, and the investor may lose all or part of their investment. Careful consideration of possible financial distress should be made before investing in any financial instrument.

Analyst certification

The research analyst(s) responsible for the content of this research report certify that: 1) the views expressed in this research report accurately reflect that research analyst's personal views about the company and the securities that are the subject of this research report; and 2) no part of the research analyst's compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed by that research analysts in this research DNB Carnegie employees, including research analysts, may receive compensation that is generated by overall firm profitability.

Type of coverage, including valuation methodologies and assumptions

1. Fundamental analysis with a target price and recommendation. DNB Carnegie publishes a target price for most of the stocks in our Research Universe. The target price is the analyst's assessment of expected total return (including dividend per share) over the coming 12 months based on various fundamental valuation methods. The target price is based on a combination of several valuation methods such as discounted cash flow, pricing based on earnings multiples, multiple on book value, net asset value and peer comparison. A commonly used method is DCF valuation, where future cash flows are discounted to today. Analysts may also use different valuation multiples, e.g. P/E and EV/EBIT, relative to industry peers to obtain a target price. For companies where it is appropriate, a target price can also be based on the analyst's assessment of a fair ratio relative to the net asset value of the company. Target prices are revised when earnings and cash flow forecasts are changed. Thus, changes to estimates are a key risk to the target price. Other reasons for revising target prices include changes in the underlying value of a company's assets and when factors affecting the required rate of return change, which can also be seen as risk factors to the target price.

2. Quantitative and technical analysis. DNB Carnegie produces research based on quantitative and technical analysis ("quant products"). Such research is based on mathematical and technical models applied to companies, industries and sectors, rather than a fundamental analysis of a company. Quantitative and technical analysis thus does not result in estimates, a valuation or a recommendation (e.g. BUY, SELL, HOLD). Quant products may also have a significantly different time horizon from those of other products generated by DNB Carnegie. The views expressed in quant products may thus differ from, or conflict with, those presented in other research reports generated by DNB Carnegie.

3. Commissioned research reports include the analyst's assessment of a fair value range over the coming 6-12 months based on various fundamental valuation methods. A commonly used method is DCF valuation, where future cash flows are discounted to today. Analysts may also use different valuation multiples, e.g. P/E and EV/EBIT, relative to industry peers. For companies where it is appropriate, a fair value range can also be based on the analyst's assessment of a fair ratio relative to the net asset value of the company. Fair value ranges represent the assessment of the analyst(s) at the time of writing.

You will find detailed information about the valuation or methodology, the underlying assumptions, and risks on DNB Carnegie Edge (www.edge.carnegie.se). The complete history of equity research reports and previous recommendations can also be found on DNB Carnegie Edge and here.

Frequency of update

DNB Carnegie's research analysis consists of case-based analyses, meaning the frequency of the analytical research report may vary over time. Unless otherwise expressly stated in this research report, the analysis is updated when considered necessary by the research department, for example in the event of significant changes in market conditions or events related to the issuer/the financial instrument.

Potential conflicts of interest

DNB Carnegie may from time to time perform investment banking or other services for, or solicit investment banking or other business from, any company mentioned in this research report. Any such publicly announced business activity during the past 12 months will be referred to in the company-specific disclosures.

DNB Bank ASA, its affiliates and subsidiaries are engaged in commercial banking activities, and may for example be a lender to any company mentioned in this research report. This means that certain parts of these entities might have access to whatever rights and information regarding addressed companies as are available to a creditor under applicable law and the applicable loan and credit agreements.

A set of rules handling conflicts of interest is implemented in DNB Carnegie and the rest of DNB Bank ASA, this includes confidentiality rules restricting the exchange of information between various parts of DNB Carnegie and the rest of DNB Bank ASA. The Investment Banking Division and other business departments in DNB Carnegie and DNB Bank ASA are surrounded by information barriers to restrict the flows of sensitive information. People outside an information barrier may gain access to sensitive information only after having observed applicable wall-crossing procedures. This means that employees of DNB Carnegie who are preparing this research report are prevented from using or being aware of information available in other parts of DNB Carnegie or DNB Bank ASA that may be relevant to the recipients' decisions.

The remuneration of employees involved in preparing this research report is not tied to investment banking transactions performed by DNB Carnegie or a legal person within the same group.

Confidential and non-public information regarding DNB Carnegie and its clients, business activities and other circumstances that could affect the market value of a security ("sensitive information") is kept strictly confidential and may never be used in an undue manner. Internal guidelines are implemented to ensure the integrity and independence of research analysts. In accordance with the guidelines, the research department is separated from the Investment Banking department and there are no reporting lines between the research department and Investment Banking. The guidelines also include rules regarding, but not limited to, the following issues: contacts with covered companies, prohibition against offering favourable recommendations, personal involvement in covered companies, participation in investment banking activities, supervision and review of research reports, analyst reporting lines, and analyst remuneration.

DNB Carnegie and any of its officers or directors may have a position, or otherwise be interested in, transactions in securities that are directly or indirectly the subject of this research report. Any significant financial interests held by the analyst, DNB Carnegie, or a legal person in the same group in relation to the issuer will be referred to in the company-specific disclosures.

Other material conflicts of interest: Commissioned Research

This research report was commissioned and sponsored by the issuer (issuer-paid research) and should therefore be considered marketing communication (i.e. not investment research).

Payment for this research report has been agreed in advance on a non-recourse basis. As commissioned research, this research report can be considered an acceptable minor nonmonetary benefit under MiFID II. It has not been prepared in accordance with the legal requirements designed to promote the independence of investment research. However, it is still subject to the same confidentiality rules and sound research principles.

Commissioned research is intended only for distribution to professional investors. Such investors are expected to make their own investment decisions without undue reliance on this research report.

Company specific disclosures

The following disclosures relate to relationships between DNB Carnegie Investment Bank AB (with its subsidiaries, "DNB Carnegie") and the subject company.

Please see https://edge.carnegie.se/legal/disclosuresanddisclaimers for equity disclosures and historical recommendation and target price information on all companies covered by DNB Carnegie.

Beyond Frames

Additional information for clients in Australia

This research report has been prepared and issued outside Australia.

DNB Bank ASA ARBN 675 447 702 is exempt from the requirement to hold an Australian financial services licence under the Corporations Act 2001 (Cth) ("Corporations Act") in respect of financial services it provides to "wholesale clients" within the meaning of the Corporations Act ("Wholesale Clients"). DNB Bank ASA accordingly does not hold an Australian financial services licence. DNB Bank ASA is regulated by Finanstilsynet (the Financial Supervisory Authority of Norway) under the laws of Norway, which differ from Australian laws.

This research report is provided only to authorised recipients who are both Wholesale Clients and "professional investors" within the meaning of the Corporations Act. In no circumstances may this research report be provided to any other person.

No member of the DNB Group, including DNB Bank ASA and DNB Carnegie Investment Bank AB, is an authorised deposit-taking institution ("ADI") under the Banking Act 1959 (Cth). Accordingly, neither DNB Bank ASA nor DNB Carnegie Investment Bank AB is supervised by the Australian Prudential Regulation Authority as an ADI.

DNB Bank ASA is a limited liability company incorporated in Norway.

Nothing in this research report excludes, restricts or modifies a statutory warranty or liability to the extent such an exclusion, restriction or modification would be prohibited under Australian law.

Additional information for clients in Canada

This research report and the information included herein is general investment advice that is not tailored to the needs of any recipient and, accordingly, is distributed to Canadian residents in reliance on section 8.25 of the Canadian Securities Administrators' National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations. For disclosures regarding any financial or other interest that DNB Bank ASA, DNB Carnegie Investment Bank AB and their affiliates may have in the issuer or issuers that are the subject of this research report please see the potential conflict of interest section and the company-specific disclosures section.

Additional information for clients in Singapore

This research report is distributed by the Singapore Branch of DNB Bank ASA. It is intended for general circulation and does not take into account the specific investment objectives, financial situation or particular needs of any particular person. Please seek advice from a financial adviser regarding the suitability of any product referred to in this research report, taking into account your specific financial objectives, financial situation or particular needs before making a commitment to purchase any such product. You have received a copy of this research report because you have been classified as an accredited investor, an expert investor, or as an institutional investor, as these terms have been defined under Singapore's Financial Advisers Act (Cap. 110) ("FAA") and/or the Financial Advisers Regulations ("FAR"). The Singapore Branch of DNB Bank ASA is a financial adviser exempt from licensing under the FAA but is otherwise subject to the legal requirements of the FAA and of the FAR. By virtue of your status as an accredited investor, institutional investor or as an expert investor, the Singapore Branch of DNB Bank ASA is, in respect of certain of its dealings with you or services rendered to you, exempt from having to comply with certain regulatory requirements of the FAA and FAR, including without limitation, sections 34, 36 and 45 of the FAA. Section 34 of the FAA requires a financial adviser to disclose material information concerning designated investment products that are recommended by the financial adviser to you as the client. Section 36 of the FAA requires a financial adviser to have a reasonable basis for making investment recommendations to you as the client. Section 45 of the FAA requires a financial adviser to include, within any circular or written communications in which they make recommendations concerning securities, a statement of the nature of any interest which the financial adviser (and any person connected or associated with the financial adviser) might have in the securities. Please contact the Singapore branch of DNB Bank ASA at +65 6260 0111 in respect of any matters arising from, or in connection with, this research report. This research report is intended for and is to be circulated only to people who are classified as an accredited investor, an expert investor, or an institutional investor. If you are not an accredited investor, an expert investor or an institutional investor, please contact the Singapore Branch of DNB Bank ASA at +65 6260 0111. We, DNB Bank ASA, its affiliates and subsidiaries, our associates, officers and/or employees may have interests in any products referred to in this research report by acting in various roles including as distributor, holder of principal positions, adviser or lender. We, DNB Bank ASA, its affiliates, subsidiaries, our associates, officers and/or employees may receive fees, brokerage or commissions for acting in those capacities. In addition, we, DNB Bank ASA, its affiliates and subsidiaries, our associates, officers and/or employees may buy or sell products as principal or agent and may effect transactions that are not consistent with the information set out in this research report.

Additional information for clients in United States

The research analyst(s) named on this research report are foreign research analysts as defined by FINRA Rule 1220. The only affiliates contributing to this research report are the investment services division of DNB Bank ASA and DNB Carnegie Investment Bank AB (a wholly owned subsidiary of DNB Bank ASA) ("hereinafter DNB Carnegie"); the foreign research analysts employed by DNB Carnegie are named on the first page; the foreign research analysts are not registered/qualified as research analysts with FINRA; foreign research analysts are not associated persons of DNB Markets, Inc. or Carnegie, Inc. and therefore are not subject to the restrictions set forth in FINRA Rules 2241 and 2242 regarding restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account.

This is a Third Party Research Report as defined by FINRA Rules 2241 and 2242. Any material conflict of interest that can reasonably be expected to have influenced the choice of DNB Carnegie as a research provider or the subject Company of a DNB Carnegie research report, including the disclosures required by FINRA Rules 2241 and 2242 can be found above.

This research report is being furnished solely to Major U.S. Institutional Investors within the meaning of Rule 15a-6 under the U.S. Securities Exchange Act of 1934 and to such other U.S. Institutional Investors as DNB Markets, Inc. or Carnegie, Inc. may determine. Distribution to non-Major U.S. Institutional Investors will be made only by DNB Markets, Inc. or Carnegie, Inc., separately incorporated subsidiaries of DNB Bank ASA that are U.S. broker-dealers and members of the Financial Industry Regulatory Authority ("FINRA") and the Securities Investor Protection Corporation ("SIPC").

Any U.S. recipient of this research report seeking to obtain additional information or to effect any transaction in any security discussed herein or any related instrument or investment should contact DNB Markets, Inc., 30 Hudson Yards, 81st Floor, New York, NY 10001, telephone number +1 212-551-9800, or Carnegie Inc, 20 West 55th St., New York, NY 10019, telephone number +1 212-262-5800.



At DNB Carnegie, we are dedicated to being the most respected partner for Nordic investment banking and wealth management solutions, leveraging the full capabilities of DNB. With unmatched strength across products, sectors, and geographies, our commitment is crystal clear: Clients first!

We deliver tailored financial solutions in mergers and acquisitions, capital markets, and financial advisory services by leveraging our deep market knowledge and expansive international reach. As an agile investment bank and part of a major Nordic banking group, we offer unparalleled local expertise, exceptional placing power, and a unique network.

Our restering door in the Nordia region with strang loss offices in Sweden Nervey Denmark, and Finland

DNB Bank ASA DNB Carnegie Dronning Eufemias gate 30 0191 Oslo | Norway Telephone: +47 915 04800

www.dnb.no

DNB Bank ASA, Singapore Branch DNB Carnegie

1 Wallich Street Downtown Core 06 #30-01, Guoco Tower,Singapore 078881 Telephone: +65 6260 0111

DNB Carnegie Investment Bank AB, UK Branch

Finwell House, 26 Finsbury Square London EC2A 1DS | England Telephone: +44 20 7216 4000

DNB Carnegie Investment Bank AB

Regeringsgatan 56 103 38 Stockholm | Sweden Telephone: +46 8 676 88 00

www.dnbcarnegie.se

DNB Carnegie Investment Bank AB, Finland Branch Eteläesplanadi 2 PO Box 36

FI-00131 Helsinki | Finland Telephone: +358 9 618 71 230

DNB Markets, Inc.

30 Hudson Yards New York, NY 10001 USA Telephone: +1 212 551 9800

DNB Carnegie Investment Bank, Denmark Branch Overgaden neden Vandet 9B PO Box 1935 1414 Copenhagen K | Denmark Telephone: +45 32 88 02 00

DNB Bank ASA, London Branch DNB Carnegie The Walbrook Building, 25 Walbrook London EC4N 8AF | England Telephone: +44 20 7216 4000

Carnegie, Inc.

20 West 55th St. New York N.Y. 10019 Telephone: +1 212 262 5800