DNB Carnegie® Access



COMPANY UPDATE

Research analysts:

DNB Carnegie Investment Bank AB

Healthcare

Fair value: SEK2.00-2.70

Share price: SEK1.18

Intervacc

Strangvac gains traction – Q2 review

We believe Q2 confirmed that operations are moving in the right direction and that Strangvac is continuing to gain traction. Importantly, the company also appears to be making progress in its regulatory process to secure approval for Strangvac in the key US market, with clinical safety studies set to commence in H2. Following the Q2 report, we reiterate our fair value range of SEK2.0–2.7.

Growth acceleration. The Q2 report gave us the evidence we were looking for that sales growth is picking up momentum. Revenue growth accelerated to 152% Y/Y, ahead of our forecast. While overall costs came in a bit higher than we had anticipated, we see this more as a result of our conservative assumptions for the quarter than a negative surprise. Most importantly, the balance sheet remains solid and fully supportive of our growth plans, with Q2 closing in a net cash position above SEK200m.

Positive signals about the US process. The company met with the US regulatory authority, the Center for Veterinary Biologics (CVB), in June, and following the meeting, the final steps required for approval became clearer. In addition to the data already collected, the CVB has requested clinical data on the safety and efficacy of Strangvac in American horses, with the first study planned for this year. We believe this is in line with our estimates for market approval and launch in 2028.

Limited estimates changes. We have lowered our gross margin assumptions, while we see reasons for a somewhat slower increase in costs for 2025–27e. Overall, the changes to our estimates have a net positive effect.

Maintain our fair value range. We believe the Q2 report provided well-needed reassurance for investors that the growth story is back on track. At this stage, we do not make any major adjustments to our longer-term assumptions and maintain our fair value range of SEK2.0–2.7.

Changes in this	report		
	From	То	Chg
EPS adj. 2025e	-0.33	-0.33	-0%
EPS adj. 2026e	-0.24	-0.22	+9%
EPS adj. 2027e	-0.19	-0.19	+1%
Upcoming ever	its		
Q3 Report		19 No	ov 2025

Key facts	
No. shares (m)	340.8
Market cap. (USDm)	42
Market cap. (SEKm)	402
Net IB Debt. (SEKm)	-172
Adjustments (SEKm)	(
EV (2025e) (SEKm)	230
Free float	72.3%
Avg. daily vol. ('000)	709
BBG	IVACC SS
Fiscal year end	Decembe
Share price as of (CET)	29 Aug 2025 17:29

Key figures (SEK)	2024	2025e	2026e	2027e
Sales (m)	12	26	55	106
EBITDA (m)	-59	-52	-58	-47
EBIT (m)	-77	-71	-77	-66
EPS	-1.00	-0.33	-0.22	-0.19
EPS adj.	-1.00	-0.33	-0.22	-0.19
DPS	0.00	0.00	0.00	0.00
Sales growth Y/Y	47%	120%	110%	95%
EPS adj. growth Y/Y	+chg	+chg	+chg	+chg
EBIT margin	-655.5%	-274.1%	-141.7%	-62.1%
P/E adj.	n.m.	n.m.	n.m.	n.m.
EV/EBIT	neg.	neg.	neg.	neg.
EV/EBITA	neg.	neg.	neg.	neg.
EV/EBITDA	neg.	neg.	neg.	neg.
P/BV	0.6	1.4	1.9	2.7
Dividend yield	0.0%	0.0%	0.0%	0.0%
FCF yield	-13.4%	-13.8%	-16.4%	-15.4%
Equity/Total Assets	86.7%	89.0%	82.8%	72.2%
ROCE	-37.7%	-30.4%	-30.2%	-36.5%
ROE adj.	-37.7%	-30.4%	-30.2%	-36.5%
Net IB debt/EBITDA	0.6	3.3	1.8	1.0



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

This report has been commissioned and sponsored by Intervacc. 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.



Equity story

Near term: within 12M

We expect sales growth to accelerate as the launch of Strangvac in Europe gains renewed momentum, following necessary manufacturing updates and efforts to raise awareness of the product among veterinarians. After a sluggish start, investor confidence in Strangvac's potential needs to be restored, and we therefore view sales updates and order-related press releases as key near-term triggers for the stock. Additionally, securing a US distribution partner would be a significant milestone and an important catalyst for the equity story.

Long-term outlook: 5Y+

In our view, Strangvac is one of the most effective and safest vaccines against equine strangles currently available. With growing awareness of the product and launches in new markets, we expect it to capture a significant market share in the EU/UK and the US, with peak net sales projected to exceed SEK1bn by 2032.

Key risks:

- · Continued sluggish sales development
- Failure to secure US market approval
- Additional financing needs if the above risks materialise

Company description

Intervace operates in the large and growing animal health market and is among the leading developers of modern vaccines targeting bacterial infectious diseases caused by streptococcal and staphylococcal bacteria. Its technology platform, based on fused recombinant proteins, is at the forefront of the field, offering significant potential and broad immune responses against complex bacterial pathogens. A key advantage of Intervace's vaccines is their DIVA property, which enables differentiation between vaccinated animals and those previously infected, an invaluable feature during outbreaks. The company has a scalable business model for the global market, outsourcing production to manufacturing partners while entering distribution agreements with major global players that manage marketing and sales.

Key industry drivers

- Growing demand for better treatments and vaccines of companion animals
- Rising interest of veterinary medicine

Industry outlook

 According to market research reports we have reviewed, the industry is expected to grow at a CAGR of 5–7% over the next decade

Largest shareholders, capital

HealthCap	25.9%
Avanza Pension	5.0%
AP4	4 6%

Cyclicality

Key peers

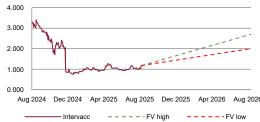
Cyclicality: N/A

We consider Swedencare, Vimian and Vivesto to be its closest listed peers in veterinary medicine.

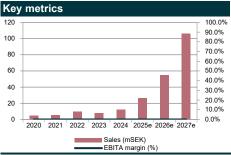
Valuation and methodology

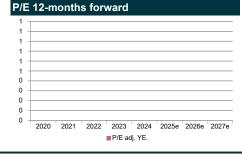
We value Intervace using a DCF model, applying a WACC range of 12–16%. Over our 10-year explicit forecast period, we expect significant sales growth, exceeding SEK1bn by the end of the period. Sales are projected to roughly double each year until 2029, followed by a five-year CAGR of 25%. Growth is then expected to gradually slow to 3% in the subsequent decade, with a terminal growth rate of 2%. As the company matures, we forecast EBITA margins of 28–30% from 2030 onwards. Capital expenditure is projected to decline as a percentage of sales over time, stabilising at approximately 2%.

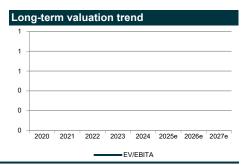
Fair value range 12M



In our upper fair value range scenario, the company delivers strong growth, reducing uncertainty around its long-term potential and thereby making a 12% WACC assumption reasonable. The lower end of the range is based on a 16% WACC, reflecting the higher uncertainty related to a US approval of Strangvac, the pace of revenue ramp-up and balance sheet risks.







Source: DNB Carnegie (estimates) & company dat



Estimate revisions

Deviation table Q2 – actual versus DCARe

Stronger than expected sales stood out, offset by weaker gross margin.

The margin effect is partly due to incorrect accruals between Q1 and Q2, but underlying improvements appear slower than anticipated

	Last f	our quarter	s 2024/2025		Q2 202	25e	Deviation	n
(SEKm)	Q2	Q3	Q4	Q1	Actual	DCARe	Abs.	%
Revenues	2.7	2.5	4.1	4.6	7.0	6.1	0.9	15%
Gross profit	0.6	-5.4	0.8	1.2	2.3	2.4	-0.1	-5%
Opex	-21.5	-25.1	-23.0	-19.9	-24.9	-23.4	-1.5	6%
EBITDA adj.	-13.6	-11.8	-14.0	-10.0	-12.8	-12.4	-0.4	-3%
D&A	-4.7	-4.7	-4.5	-4.7	-4.7	-4.7	0.0	1%
EBIT	-18.3	-22.5	-18.5	-14.7	-17.5	-17.1	-0.4	-2%
Pre tax profit	-17.8	-22.2	-18.1	-14.3	-16.6	-15.9	-0.7	-4%
Net loss	-17.8	-22.2	-18.1	-14.3	-16.6	-15.9	-0.7	-4%
EPS	-0.24	-0.29	-0.24	-0.04	-0.05	0.00	0.0	n.a.
Revenue growth rate Y//Y	45%	-16%	154%	91%	156%	123%	33%	27%
Revenue growth rate Q/Q	14%	-7%	63%	11%	53%	33%	20%	60%
Adj. gross maring %	21%	29%	21%	27%	32%	39%	-7%	-18%
EBITDA margin	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	n.a.	n.a.
EBIT margin	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	n.a.	n.a.

Source: DNB Carnegie (estimates) & company

We expect the company to deliver strong sales growth over the coming quarters

Updated quarterly estimates 2024 - 2026e

		20	24			202	5			202	:6	
SEKm	Q1	Q2	Q3	Q4	Q1	Q2e	Q3e	Q4e	Q1e	Q2e	Q3e	Q4e
Operating income												
Revenues	2.4	2.7	2.5	4.1	4.6	7.0	6.2	8.2	9.6	13.4	14.2	17.3
Other operating income	0.1	0.5	0.1	0.3	0.7	0.4	0.2	0.2	0.3	0.3	0.3	0.4
Total	2.5	3.3	2.6	4.5	5.2	7.4	6.4	8.4	9.9	13.7	14.5	17.7
Operating expenses												
Goods for resale, raw materials and consumables	-2.0	-2.2	-7.9	-3.3	-3.3	-4.7	-4.1	-5.3	-5.9	-7.9	-8.1	-9.0
Other external costs	-8.6	-8.9	-7.4	-9.2	-6.2	-8.6	-9.0	-12.5	-15.5	-14.0	-10.0	-12.0
Employee benefit expenses	-4.9	-5.8	-5.1	-5.8	-5.7	-6.4	-6.1	-7.5	-8.0	-8.3	-7.8	-9.2
Depreciation of equipment and intangible assets	-4.7	-4.7	-4.7	-4.5	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7
Other operating expenses	-0.3	0.0	-0.1	-0.2	0.0	-0.5	0.0	0.0	0.0	0.0	0.0	0.0
Total operating expenses	-20.5	-21.5	-25.1	-23.0	-19.9	-24.9	-23.9	-30.0	-34.1	-34.9	-30.6	-34.9
Operating profit/loss	-18.0	-18.3	-22.5	-18.5	-14.7	-17.5	-17.5	-21.6	-24.2	-21.2	-16.1	-17.2
Net financial items	0.6	0.4	0.3	0.4	0.4	0.9	0.9	0.8	0.6	0.5	0.4	0.3
Profit/loss before taxes	-17.4	-17.8	-22.2	-18.1	-14.3	-16.6	-16.6	-20.8	-23.6	-20.7	-15.7	-16.9
Tax on profit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net loss for the period	-17.4	-17.8	-22.2	-18.1	-14.3	-16.6	-16.6	-20.8	-23.6	-20.7	-15.7	-16.9
Gross profit*	0.4	0.6	-5.4	0.8	1.2	2.3	2.1	2.9	3.7	5.5	6.1	8.3
EBITDA	-13.3	-13.6	-17.9	-14.0	-10.0	-12.8	-12.8	-16.9	-19.5	-16.5	-11.4	-12.5
EBIT	-18.0	-18.3	-22.5	-18.5	-14.7	-17.5	-17.5	-21.6	-24.2	-21.2	-16.1	-17.2
Gross margin*	17%	21%	-212%	21%	27%	32%	34%	35%	39%	41%	43%	48%
EBITDA margin	neg.											
EBIT margin	nea.	neg.										

Source: DNB Carnegie (estimates) & company



We have slightly raised our 2025e sales estimate while lowering our gross margin assumptions. We also see reasons for a somewhat slower cost increase in 2025–27e. Overall, the revisions have a net positive effect on earnings.

Overview full year DCARe changes

				New	estimas	tes	Old	estimat	es	Ab	s. Chang	ge	9/	change	
(SEKm)	2022	2023	2024	2025e	2026e	2027e	2025e	2026e	2027e	2025e	2026e	2027e	2025e	2026e	2027e
_															
Revenues	9.7	8.0	11.8	26.0	54.5	106.2	24.7	54.5	106.2	1.3	0.0	0.0	5%	0%	0%
Gross profit*	0.7	-13.8	-3.5	8.5	23.6	56.3	11.0	26.9	60.5	-2.5	-3.3	-4.2	-23%	-12%	-7%
Opex	-68.5	-81.5	-74.8	-81.2	-102.1	-124.2	-86.0	-116.9	-135.9	4.8	14.8	11.7	-6%	-13%	-9%
EBITDA	-43.6	-69.0	-58.7	-52.5	-58.4	-46.8	-54.9	-69.9	-54.3	2.4	11.5	7.4	4%	16%	14%
D&A	-20.9	-24.6	-18.5	-18.7	-18.8	-19.1	-18.8	-18.8	-19.1	0.0	0.0	0.0	0%	0%	0%
EBIT	-64.4	-93.6	-77.3	-71.2	-77.2	-66.0	-73.7	-88.7	-73.4	2.4	11.5	7.4	3%	13%	10%
Pre tax profit	-64.2	-91.5	-75.5	-68.3	-75.4	-65.5	-70.3	-86.9	-72.9	2.0	11.5	7.4	3%	13%	10%
Profit/loss	-64.2	-102.9	-75.5	-68.3	-75.4	-65.5	-70.3	-86.9	-72.9	2.0	11.5	7.4	3%	13%	10%
EPS adj.	-1.27	-1.36	-1.00	-0.33	-0.22	-0.19	-0.33	-0.24	-0.19	0.0	0.0	0.0	0%	9%	1%
Net sales growth Y/Y (%)	85%	-17%	47%	120%	110%	95%	110%	120%	95%	11%	11%	0%	10%	-9%	0%
Gross margin %	7%	-172%	-30%	33%	43%	53%	45%	49%	57%	12%	6%	4%	-27%	-12%	-7%
EBITDA margin %	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Na.	Na.	Na.	Na.	Na.	Na.
EBIT margin %	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Na.	Na.	Na.	Na.	Na.	Na.
*gross profit is an estimate	of reven	ues less (goods for	resale											

Source: DNB Carnegie (estimates) & company

Updated DCARe estimate changes 2022–29e

	2022	2023	2024	2025e	2026e	2027e	2028e	2029e
SEKm								
Operating income								
Revenues	9.7	8.0	11.8	26.0	54.5	106.2	223.0	381.5
Other operating income	3.4	1.8	1.0	1.5	1.3	2.0	2.0	2.0
Total	13.1	9.8	12.8	27.4	55.8	108.2	225.0	383.5
Operating expenses								
Goods for resale, raw materials and consumables	-9.0	-21.8	-15.3	-17.5	-30.9	-49.9	-82.5	-125.9
Other external costs	-26.9	-36.6	-34.2	-36.3	-50.0	-64.8	-87.0	-118.3
Employee benefit expenses	-19.6	-19.7	-21.5	-25.7	-33.3	-40.3	-49.0	-64.8
Depreciation of equipment and intangible assets	-20.9	-24.6	-18.5	-18.7	-18.8	-19.1	-19.0	-19.8
Other operating expenses	-1.2	-0.7	-0.5	-0.5	0.0	0.0	0.0	0.0
Total operating expenses	-77.5	-103.4	-90.1	-98.7	-133.0	-174.1	-237.4	-328.8
Operating profit/loss	-64.4	-93.6	-77.3	-71.2	-77.2	-66.0	-12.5	54.6
Net financial items	0.3	2.1	1.8	2.9	1.8	0.5	0.0	0.0
Profit/loss before taxes	-64.2	-91.5	-75.5	-68.3	-75.4	-65.5	-12.5	54.6
Tax on profit	0.0	-11.4	0.0	0.0	0.0	0.0	0.0	0.0
Net loss for the period	-64.2	-102.9	-75.5	-68.3	-75.4	-65.5	-12.5	54.6
Gross profit*	0.7	-13.8	-3.5	8.5	23.6	56.3	140.5	255.6
EBITDA	-43.6	-69.0	-58.7	-52.5	-58.4	-46.8	6.5	74.5
EBIT	-64.4	-93.6	-77.3	-71.2	-77.2	-66.0	-12.5	54.6
Gross margin*	7%	-172%	-30%	33%	43%	53%	63%	67%
EBITDA margin	neg.	neg.	neg.	neg.	neg.	neg.	3%	20%
EBIT margin	neg.	neg.	neg.	neg.	neg.	neg.	-6%	14%
*gross profit is an estimate of revenues less goods for resale								

Source: DNB Carnegie (estimates) & company



Valuation and risks

Our valuation of Intervacc relies on a DCF model, indicating a fair value range of SEK 2.0–2.7 per share. The model is built on a detailed 10-year forecast, primarily focused on Strangvac. At the lower end of our fair value range, we apply a higher-risk scenario using a 16% WACC to reflect remaining uncertainties related to US approval of Strangvac, the pace of sales rampup and balance sheet risks, given the company's continued loss-making position. In contrast, the upper end of the range assumes reduced risk related to the company's growth trajectory and financial position and is based on a lower WACC of 12%.

DCF assumptions

We believe Strangvac is an attractive asset still in its early stages, and we forecast strong sales growth for many years ahead. Over our forecast period, we estimate that the company's revenues will grow significantly, reaching SEK1.2bn by 2034, with the US market representing half of total sales. In our modelling, we expect Intervacc to become cash flow positive at the operating level by 2028 and to achieve profitability by 2029. Based on these assumptions, we believe the company's current funding is sufficient to support the business until these milestones are reached.

In our longer-term scenario, we estimate that Intervacc could become a highly profitable company, achieving strong margins on its vaccine while leveraging commercial partners to ensure broad market reach. We forecast EBITDA margins to exceed 30% as Strangvac sales mature by 2032. In our model, we assume sales will peak in 2035 and then gradually decline through 2040, as new treatments are expected to emerge and take over the market. With that said, for now we are not aware of any competing vaccines in development.

Title

				Average	year			Terminal
DCF assumptions - Summary	2025e	2026e	2027e	4-5	6-10	11-15	16-20	period
Total sales growth	114.4%	103.4%	93.9%	90.5%	27.4%	-7.6%	-19.0%	0.0%
EBITDA margin	-184.2%	-97.5%	-37.8%	11.2%	29.5%	28.3%	16.6%	12.0%
Depreciation % of sales	-68.3%	-33.7%	-17.7%	-6.9%	-2.4%	-2.0%	-2.0%	-2.0%
EBITA margin	-252.5%	-131.2%	-55.4%	4.4%	27.1%	26.3%	14.6%	10.0%
Amortisations % of sales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
EBIT margin	-252.5%	-131.2%	-55.4%	4.4%	27.1%	26.3%	14.6%	10.0%
Capex % of sales	-1.1%	-2.7%	-2.8%	-2.0%	-2.0%	-2.0%	-2.0%	-2.0%
Paid tax rate	0.0%	0.0%	0.0%	-20.6%	-20.6%	-20.6%	-20.6%	-20.6%
NWC to sales	6.0%	13.0%	15.7%	15.7%	15.7%	15.7%	15.7%	15.7%
Sales	27	56	108	308	991	1 032	474	289
EBITDA	-51	-54	-41	41	298	295	86	35
Capex	0	-2	-3	-6	-20	-21	-9	-6
Taxes	0	0	0	-4	-57	-57	-16	6
Other	-7	-6	-10	-22	-27	13	17	109
Free cash flow	-58	-62	-54	9	195	231	77	143
Discounted FCF	-53	-49	-37	4	60	38	7	8
Share of total discounted FCF	-13%	-12%	-9%	2%	75%	48%	8%	2%
Valuation	SEKm	Per share	,		WACC as	sumptions		
EV (discounted FCF)	401	1.2			Risk-free			4.0%
- Net debt (2024)	34	0.1				k premium		4.0%
+ Associates	0	0.0			Adjusted			300.0%
- Minority interest	0	0.0				isk premium		0.0%
- Outstanding warrants	0	0.0				isk premium		0.0%
Other debt adjustments	193	0.6				(-1% to +1%)	1	0.0%
Equity value at YE (25)	629	1.8			Cost of e			16.0%
Time adjustment	65	0.2			Risk-free			4.0%
Dividend	0	0.0			Credit spr	ead		1.6%
Current equity value	694	2.0				ebt (Rf + cred	lit spread)	5.6%
• •					Taxes	•	. ,	20.6%
					After-tax of	cost of debt		4.4%
					Equity we	eight		100.0%
					WACC	•		16.0%

Source: DNB Carnegie (estimates)

Sensitivity analysis DCF / WACC

Wacc	10%	11%	12%	13%	14%	15%	16%	17%	18%
DCF	3.2	2.9	2.7	2.5	2.3	2.2	2.0	1.9	1.8

Source: DNB Carnegie (estimates)



Risks

Here, we outline the key risks we believe apply to Intervacc. It is not intended to be a comprehensive list of the risks the company may face but rather includes those we consider most relevant, not presented in any particular order.

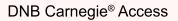
Regulatory risks: The bar for developing new treatments and vaccines is high, though somewhat lower for veterinary indications compared to human medicine. However, we believe the regulatory authorities overseeing veterinary services are smaller in scale, which may result in slower communication and potential delays. It looks like the process in the US may be on track again, but any clear timeline for US approval has yet to be communicated. We forecast a 2028 market entry in the US.

Competitive risks: We believe that currently approved vaccines have a first-mover advantage, having been on the market for several years. In our view, however, Strangvac offers a more attractive product profile. When assessing the competitive landscape, activity in vaccine development for this indication appears limited, and we have not identified any competing products currently in development.

Market acceptance risks: Establishing a new product on the market is always challenging, and we believe this is especially true in the veterinary field. Clinical documentation requirements are less extensive than in human medicine, resulting in more limited supporting data, which can make the case for commercial adoption less persuasive.

Financing risks: Following the recent capital raise, near-term financial risk is low. However, if sales do not improve as we forecast, entering the second half of 2026, these risks are likely to resurface and may become a concern for investors.

Technological and intellectual property risks: Intervace has secured a broad portfolio of patents that protect Strangvac from competition until at least the early 2030s, and likely beyond. As a biological product, we believe it would be both difficult and costly to develop a biosimilar. To our knowledge, no biosimilar veterinary vaccines have been approved to date.





Financial statements Profit & loss (SEKm)	2018	2019	2020	2021	2022	2023	2024	2025e	2026e	2027e
Sales	36	12	5	5	10	8	12	26	55	106
COGS	-30	-12	-2	-3	-9	-22	-15	-17	-31	-50
Gross profit	5	1	2	3	1	-14	-4	9	24	56
Other income & costs	-22	-22	-22	-26	-44	-55	-55	-61	-82	-103
Share in ass. operations and JV	0	0	0	0	0	0	0	0	0	0
EBITDA	-16	-22	-20	-23	-44	-69	-59	-52	-58	-47
Depreciation PPE	0	0	0	0	0	0	0	0	0	0
Depreciation lease assets	0	0	0	0	0	0	0	0	0	0
Amortisation development costs	0	0	0	0	-15	-18	-17	-17	-17	-17
Amortisation other intangibles Impairments / writedowns	-15 0	0 0	0	0	0	-1 0	-1 0	-1 0	-1 0	-1 0
EBITA	-31	- 22	-20	- 24	-59	-88	-77	- 71	- 77	-66
Amortization acquisition related	-31	- 22	-20	- 24 -6	- 5	-6	0	0	0	0
Impairment acquisition related	0	0	0	0	0	0	0	0	0	0
EBIT	-31	-28	-26	-29	-64	-94	-77	-71	-77	-66
Share in ass. operations and JV	0	0	0	0	0	0	0	0	0	0
Net financial items	0	0	0	0	0	2	2	3	2	1
of which interest income/expenses	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0
Pre-tax profit	-31	-28	-26	-29	-64	-91	-76	-68	-75	-65
Taxes	4	0	0	0	0	-11	0	0	0	0
Post-tax minorities interest	0	0	0	0	0	0	0	0	0	0
Discontinued operations	0 -27	0 -28	0	0 -29	0	0 403	0 -76	0	0 -75	0 -65
Net profit			-26		-64	-103		-68		
Adjusted EBITDA	-16	-22	-20	-23	-44	-69	-59	-52	-58	-47
Adjusted EBITA	-31	-22	-20	-24	-59	-88	-77	-71	-77	-66
Adjusted EBIT	-31	-28	-26	-29	-64	-94	-77	-71	-77	-66
Adjusted net profit	-27	-22	-20	-23	-58	-97	-76	-68	-75	-65
Sales growth Y/Y	+chg	-65.9%	-60.6%	9.6%	84.8%	-17.2%	47.1%	120.5%	109.7%	94.8%
EBITDA growth Y/Y	-chg	-chg	+chg	-chg	-chg	-chg	+chg	+chg	-chg	+chg
EBITA growth Y/Y	-chg	+chg	+chg	-chg	-chg	-chg	+chg	+chg	-chg	+chg
EBIT growth Y/Y	-chg	+chg	+chg	-chg	-chg	-chg	+chg	+chg	-chg	+chg
EBITDA margin	-45.3%	-178.7%	-408.0%	-443.4%	-449.8%	-860.6%	-498.3%	-202.0%	-107.2%	-44.1%
EBITA margin	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm
EBIT margin	-86.8%	-229.4%	-537.2%	-560.8%	-665.1%	na	-655.5%	-274.1%	-141.7%	-62.1%
Tax rate	11.5%	na	na	na	na	-12.5%	na	na	na	na
Cash flow (SEKm)	2018	2019	2020	2021	2022	2023	2024	2025e	2026e	2027e
EBITDA	-16	-22	-20	-23	-44	-69	-59	-52	-58	-47
Paid taxes	0	1	0	0	0	0	0	0	0	0
Change in NWC	11	18	-1	-2	-27	4	1	-6	-6	-10
Interests paid	0	0	0	0	0	2	2	3	2	1
Actual lease payments	0	0	0	0	0	0	0	0	0	0
Non cash adjustments	1 0	-1 0	0	0	0	0	3 0	1 0	1 0	1
Discontinued operations Total operating activities	- 4	- 3	-20	- 25	- 70	-46	-53	- 54	- 62	-55
· -										
Capex tangible assets	-1	0	0	-1	-1	0	0	0	-2	-3
Capitalised development costs	-23	-39	-10	-22	-4	-1	0	0	0	0
Capex - other intangible assets Acquisitions/divestments	0	-1 0	-1 0	0	-1 0	-1 0	-1 0	-1 0	-3 0	-4 0
Other non-cash adjustments	1	1	0	0	0	0	0	0	0	0
Total investing activities	-23	-39	-11	-23	-6	- 2	-1	-1	-4	- 7
-										
Dividend paid and received	0	0	0	0	0	0	0	0	0	0
Share issues & buybacks	50 0	58 0	143	0	6 0	91 0	0	193	0	0
Change in bank debt Other cash flow items	-7	0	0	0	0	0	0	0 0	0	0
Total financing activities	42	58	143	0	6	91	0	193	0	0
-										
Operating cash flow	-4	-3	-20	-25	-70	-46	-53	-54	-62	-55
Free cash flow Net cash flow	-28 15	-42 16	-31	-49 40	-76	-48	-54	-55 120	-66	-62
	15	16	112	-49	-70	43	-54	138	-66	-62
	22	16	112	_1Q	-7∩	43	-54	138	-66	-62
Change in net IB debt	22	16	112	-49	-70	43	-54	138	-66	-62
	22 2.3% 8.9%	16 3.4% -26.4%	112 -3.1% -257.1%	-49 13.2% -204.1%	-70 9.1% 38.1%	43 0.7% 80.3%	-54 0.0% -39.0%	138 1.2% -7.8%	-66 2.8% 7.2%	-62 2.8% 11.1%

Source: DNB Carnegie (estimates) & company data



Financial statements, cont.										
Balance sheet (SEKm)	2018	2019	2020	2021	2022	2023	2024	2025e	2026e	2027e
Acquired intangible assets	29	24	18	12	6	0	0	0	0	0
Other fixed intangible assets	6	7	8	8	9	9	9	9	11	13
Capitalised development	100	139	149	171	161	144	127	110	92	75
Tangible assets	1	1	0	1	1	1	1	1	2	4
Lease assets	0	0	0	0	0	0	0	0	0	0
Other IB assets (1)	0	0	0	0	0	0	0	0	0	0
Other non-IB assets	11	11	11	11	11	0	0	0	0	0
Fixed assets	149	181	186	203	189	155	137	119	105	93
Inventories (2)	11	1	2	7	27	10	11	23	29	40
Receivables (2)	3	1	0	0	1	1	1	5	9	16
Prepaid exp. & other NWC items (2)	3 0	1 0	2	3 0	2	5 0	3 0	3 0	5 0	8
IB current assets (1)		0	0	1	0	1	0	0	1	
Other current assets	1 37	53	164	116	46	88	34	173	107	1 45
Cash & cash equivalents (1) Current assets	54	56	169	126	76	105	5 0	204	107 151	45 110
Total assets	203	237	355	329	265	260	187	323	256	203
Shareholders' equity	190	220	338	308	250	238	162	287	212	147
Minorities	0	0	0	0	0	0	0	0	0	0
Other equity	0	0	0	0	0	0	0	0	0	0
Total equity	190	220	338	308	250	238	162	287	212	147
Deferred tax	0	0	0	0	0	0	0	0	0	0
LT IB debt (1)	1	0	0	0	0	0	0	0	0	0
Other IB provisions (1)	0	0	0	0	0	0	0	0	0	0
Lease libilities	0	0	0	0	0	0	0	0	0	0
Other non-IB liabilities	0	0	0	0	0	0	0	0	0	0
LT liabilities	1	0	0	0	0	0	0	0	0	0
ST IB debt (1)	0	0	0	0	0	0	0	0	0	0
Payables (2)	7	5	10	10	6	8	11	20	26	33
Accrued exp. & other NWC items (2)	3	11	6	10	8	11	9	10	12	15
Other ST non-IB liabilities	1	1	1	1	1	2	4	5	7	8
Liabilities - assets held for sale	0	0	0	0	0	0	0	0	0	0
Current liabilities	12	17	17	21	15	22	25	36	44	56
Total equity and liabilities	203	237	355	329	265	260	187	323	256	203
Net IB debt (=1)	-35	-52	-164	-115	-45	-88	-34	-172	-106	-45
Net working capital (NWC) (=2)	6	-13	-12	-10	17	-4	-5	1	7	17
Capital employed (CE)	191	221	338	309	250	238	162	288	212	147
Capital invested (CI)	43	18	14	11	33	6	5	11	19	34
Equity / Total assets	94%	93%	95%	94%	94%	92%	87%	89%	83%	72%
Net IB debt / EBITDA	2.2	2.4	8.4	5.0	1.0	1.3	0.6	3.3	1.8	1.0
Per share data (SEK)	2018	2019	2020	2021	2022	2023	2024	2025e	2026e	2027e
Adj. no. of shares in issue YE (m)	43.29	43.40	50.29	50.40	50.40	75.74	75.74	340.8	340.8	340.8
Diluted no. of Shares YE (m)	43.29	43.40	50.29	50.40	50.40	75.74	75.74	340.8	340.8	340.8
EPS FROM I	-1.27	-0.64	-0.55	-0.58	-1.27	-1.63	-1.00	-0.33	-0.22	-0.19
EPS adj.	-1.27	-0.51	-0.42	-0.47	-1.16	-1.54	-1.00	-0.33	-0.22	-0.19
CEPS	-0.59	-0.50	-0.41	-0.46	-0.86	-1.24	-0.75	-0.24	-0.17	-0.14
DPS BVPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4.40	5.06	6.71	6.12	4.96	3.14	2.14	0.84	0.62	0.43
Performance measures	2018	2019	2020	2021	2022	2023	2024	2025e	2026e	2027e
ROE	-28.8%	-13.6%	-9.2%	-9.1%	-23.0%	-42.1%	-37.7%	-30.4%	-30.2%	-36.5%
Adj. ROCE pre-tax	na	-10.7%	-7.1%	-7.3%	-20.8%	-35.0%	-37.7%	-30.4%	-30.2%	-36.5%
Adj. ROIC after-tax	na	-71.6%	-123.2%	-187.7%	-263.7%	-499.3%	-1378.4%	-912.4%	-517.3%	-246.3%
Valuation	2018	2019	2020	2021	2022	2023	2024	2025e	2026e	2027e
FCF yield	-7.1%	-10.5%	-7.8%	-12.1%	-18.9%	-11.9%	-13.4%	-13.8%	-16.4%	-15.4%
Dividend yield YE	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dividend payout ratio	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%	0.0%
EV/Sales YE	5.08	43.82	>50	>50	>50	40.32	3.54	8.84	5.43	3.37
EV/EBITDA YE	neg.	neg.	neg.	neg.	neg.	neg.	neg.	neg.	neg.	neg.
EV/EBITA YE	neg.	neg.	neg.	neg.	neg.	neg.	neg.	neg.	neg.	neg.
	neg.	neg.	neg.	neg.	neg.	neg.	neg.	neg.	neg.	neg.
		nog.	_	-	neg.	neg.	neg.	neg.	neg.	-
EV/EBITA adj. YE	_	naa	naa			neu.				neg.
EV/EBITA adj. YE EV/EBIT YE	neg.	neg.	neg.	neg.	_	_	_	_	•	_
EV/EBITA adj. YE EV/EBIT YE P/E YE	neg.	nm	nm	nm	nm	nm	nm	nm	nm	nm
EV/EBITA adj. YE EV/EBIT YE P/E YE P/E adj. YE	neg. nm nm	nm nm	nm nm	nm nm	nm nm	nm nm	nm nm	nm nm	nm nm	nm
EV/EBITA adj. YE EV/EBIT YE P/E YE	neg.	nm	nm	nm	nm	nm	nm	nm	nm	
EV/EBITA adj. YE EV/EBIT YE P/E YE P/E adj. YE	neg. nm nm	nm nm	nm nm	nm nm	nm nm	nm nm	nm nm	nm nm	nm nm	nm

Source: DNB Carnegie (estimates) & company data



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 services.

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

The research of 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, unless otherwise expressively stated..

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, 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, Canada 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 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 firms may use this research report when making investment decisions, and may also base investment advice 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 analyst in this research report. 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.

Readers should assume that any company mentioned in this research report may have an active client relationship with DNB Carnegie which is not disclosed due to client confidentiality e.g. trading in securities.

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.

DNB Carnegie and the rest of DNB Group have implemented a set of rules handling conflicts of interest. This includes confidentiality rules restricting the exchange of information between various parts of DNB Carnegie and the rest of DNB group. In order to restrict flows of sensitive information, appropriate information barriers have been established between the Investment Banking Division and other business departments in DNB Carnegie, and between DNB Carnegie and other business areas in the DNB Group. 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 the Reports are prevented from using or being aware of information available in other parts of DNB Carnegie or DNB Group 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 non-monetary 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 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 edge.dnbcarnegie.se/legal/disclosuresanddisclaimers for equity disclosures and historical recommendation and target price information on all companies covered by DNB Carnecie.

DNB Carnegie® Access



Intervacc

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 or security. 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, with respect to 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 with respect to 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. 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. 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, 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 the 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., or properties 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 +1 212-562-5800.



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 roots run deep in the Nordic region, with strong local offices in Sweden, Norway, Denmark, and Finland.

This solid foundation is amplified by our global presence in London, New York, and Singapore.

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