

Enapter AG

Germany | Renewables | MCap EUR 55.0m

23 September 2025

UPDATE



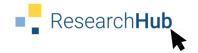
Oper. delays hit H1, trigger guidance cut; PT down; Spec. BUY

What's it all about?

Enapter's H1 25 results fell short of expectations, with revenues of EUR 5.6m, down 31.7% yoy and roughly 50% below our estimates, and an EBITDA of EUR -8.1m versus EUR -3m last year, primarily due to slower-than-expected execution of the order backlog. Order intake was weak at EUR 6.4m, while the backlog remained broadly stable at EUR 42m, consistent with the top-line development. The company also cut FY25 guidance, citing higher-than-expected complexity at its Chinese joint venture handling container assembly, which is causing operational delays. Enapter now expects revenues of EUR 20-22m and an EBITDA of EUR -9m to EUR -10m. We maintain our Spec. BUY rating but reduce our price target to EUR 3.50 (from EUR 6.40) based on revised DCF estimates, still implying over 90% upside. Join the earnings call on September 30 for first-hand insights from management. Register here: https://research-hub.de/events/registration/2025-09-30-14-00/H2O-GR

Spec. BUY (Spec. BUY)

Target price EUR 3.50 (6.40)
Current price EUR 1.80
Up/downside 94.4%





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IMPORTANT. Please refer to the last page of this report for "Important disclosures" and analyst(s) certifications.

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Enapter AG

Germany | Renewables | MCap EUR 55.0m | EV EUR 89.0m

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Oper. delays hit H1, trigger guidance cut; PT down; Spec. BUY

Operational delays weigh on H1 performance. Enapter reported H1 25 results that fell short of expectations, with revenues of EUR 5.6m, down 31.7% yoy and roughly 50% below our estimates, and an EBITDA of EUR -8.1m compared with EUR -3m in H1 last year. The weaker performance was primarily driven by slower-than-expected execution of the order backlog due to operational challenges. Order intake came in at EUR 6.4m, well below last year's EUR 23.4m and below market expectations. The order backlog remained broadly stable at a high level of EUR 42m at the end of June, although the book-to-bill ratio was only slightly above 1x, sustained mainly due to the low revenue development.

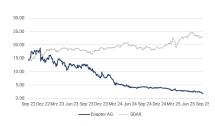
FY25 guidance cut on production complexity. Alongside the weak H1 25 results, the company has significantly cut its FY25 guidance, citing higher-than-expected complexity in the ramp-up of its Chinese joint venture, which is responsible for building the containers that house the Multicore stacks. The delays, driven by differing certification requirements and customer-specific Multicore configurations, mean that a significant portion of the originally planned FY25 revenues will now be pushed into 2026. FY25 revenues are now expected at EUR 20-22m with an EBITDA of EUR -9 to EUR -10m (old: EUR 39–42m and EBITDA of EUR -2 to EUR 0m).

Orders may slow as hydrogen market remains uncertain. The current order backlog in September stands at around EUR 45m, remaining almost unchanged throughout the year and pointing to a clear slowdown in order momentum compared with last year. This suggests that Enapter is increasingly affected by customer caution in the still uncertain hydrogen market, a challenge that competitors have already faced over the last year. On the other hand, some of the hesitancy could also be linked to the July launch of the new Stack T and the higher-output Nexus 2500 (2.5 MW), with clients conducting due diligence before placing new orders and therefore holding back on existing products such as the lower-output Nexus 1000 (1 MW) with Stack 4.

Estimates adjusted and outlook revised. We have revised our FY25 estimates in line with the company's updated guidance and have also lowered our expectations for the following years. The adjustments reflect both operational delays and a slowdown in order momentum, although we will monitor whether the Nexus 2500 helps accelerate orders in the coming months.

orders in the coming	months.				-cont	inued-
Enapter AG	2022	2023	2024	2025E	2026E	2027E
Sales	14.7	31.6	21.4	21.4	39.7	55.5
Growth yoy	73.8%	115.4%	-32.2%	0.0%	85.0%	40.0%
EBITDA	-10.6	1.5	-6.9	-10.0	2.0	6.7
EBIT	-12.9	-2.7	-12.9	-14.6	-2.3	0.3
Net profit	-13.0	-7.2	-20.7	-22.4	-11.4	0.2
Net debt (net cash)	-1.2	25.2	33.2	47.5	62.6	65.4
Net debt/EBITDA	0.1x	17.0x	-4.8x	-4.8x	31.6x	9.8x
EPS reported	-0.51	-0.26	-0.75	-0.73	-0.37	0.01
DPS	0.00	0.00	0.00	0.00	0.00	0.00
Dividend yield	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Gross profit margin	21.7%	65.6%	30.9%	40.0%	40.0%	41.0%
EBITDA margin	-72.1%	4.7%	-32.3%	-46.5%	5.0%	12.0%
EBIT margin	-87.6%	-8.5%	-60.4%	-68.3%	-5.8%	0.5%
ROCE	-13.9%	-2.2%	-11.9%	-12.5%	-1.9%	0.2%
EV/Sales	3.7x	2.6x	4.2x	4.8x	3.0x	2.2x
EV/EBITDA	-5.1x	54.5x	-12.8x	-10.3x	59.3x	18.1x
EV/EBIT	-4.2x	-30.2x	-6.9x	-7.0x	-51.2x	450.9x
PER	-3.5x	-6.8x	-2.4x	-2.5x	-4.8x	274.0x

Source: Company data, mwb research



Source: Company data, mwb research

High/low 52 weeks 4.46 / 1.90 **Price/Book Ratio** 0.7x

Ticker / Symbols

ISIN DE000A255G02 WKN A255G0 Bloomberg H20:GR

Changes in estimates

		Sales	EBIT	EPS
2025E	old	39.4	-6.6	-0.44
	Δ	-45.5%	na%	na%
2026E	old	70.8	6.1	-0.04
	Δ	-44.0%	na%	na%
2027E	old	106.2	10.1	0.25
	Δ	-47.7%	-97.3%	-97.3%

Key share data

Number of shares: (in m pcs) 30.55 Book value per share: (in EUR) 2.40 Ø trading vol.: (12 months) 22,829

Major shareholders

BluGreen (Sebastian Schmidt)	40.3%
Svelland Global	20.1%
CVI Investment (Jeffrey Yass)	7.0%
Morgan Stanley	4.8%
Sergei Storozhenko	4.2%
Wolong	3.8%
Free Float	19.8%

Company description

Enapter produces unified electrolysis systems that can be combined into larger modules using a modular approach. The innovative Anion Exchange Membrane (AEM) electrolysis used is an evolution of PEM technologies. This development is aimed at reducing material costs. Enapter has patented its AEM electrolyser, which uses an even more cost-effective process than normal AEM, is very flexible due to its uniform shape and can be produced in series.





For FY26, we now forecast revenues of around EUR 40m, driven primarily by the execution of the current backlog and some additional orders from the Nexus 1000, while we expect the majority of incremental demand from the Nexus 2500 to materialize in subsequent years. Despite the lower revenue forecast, profitability should be largely intact due to potential pending subsidies. However, we now expect EBIT break-even in FY27, one year later than previously anticipated.

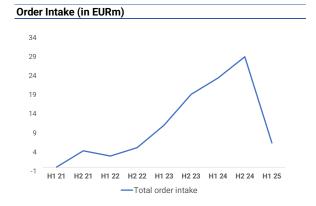
Conclusion: PT down; Maintain Spec. BUY. We remain confident that Enapter can return to its growth trajectory, driven by new products such as the Stack T/Nexus 2500. These could reinvigorate the order backlog and support revenue growth from FY27 onwards. Although operational delays and uncertainties in the hydrogen market remain challenges, Enapter is strategically positioned to address them. In past years, the company has shown resilience in a weaker hydrogen environment. We believe this resilience will continue, supported by Enapter's advanced products and an efficient production strategy: stack production operates at industrial scale in Pisa, while labor-intensive container assembly is handled through the Chinese joint venture, allowing for an efficient ramp-up of Nexus output. For risk-tolerant investors, Enapter offers leveraged exposure to the hydrogen sector's growth story. That said, elevated net debt, potential execution setbacks, and the sector's still fragile fundamentals remain important risk factors to monitor. We therefore maintain our Spec. BUY rating but lower our price target to EUR 3.50 (from EUR 6.40) based on our DCF model with revised estimates, still implying upside of over 90%.

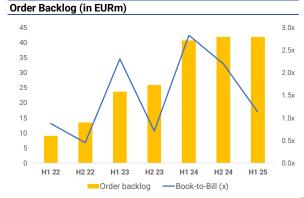
CEO Jürgen Laakmann and CFO Gerrit Kaufhold will provide detailed, first-hand insights during the earnings call on September 30. Register here to participate.

The following table displays the six-monthly performance of Enapter AG:

P&L data	H2 2021	H1 2022	H2 2022	H1 2023	H2 2023	H1 2024	H2 2024	H1 2025
Sales	6.4	3.3	11.4	4.8	26.8	8.3	13.2	5.6
yoy growth in %	210.5%	64.5%	76.7%	43.8%	136.3%	73.5%	-50.9%	-31.7%
Gross profit	0.6	0.0	3.1	0.6	na	2.6	16.7	0.5
Gross margin in %	9.1%	1.4%	27.6%	12.5%	na%	31.7%	126.9%	8.1%
EBITDA	-3.8	-6.8	-2.5	-7.0	8.5	-3.0	-4.0	-8.1
EBITDA margin in %	-59.0%	-204.4%	-22.3%	-147.2%	31.7%	-36.0%	-30.1%	-143.7%
EBIT	-4.7	-7.6	-5.2	-8.6	5.9	-5.2	-7.7	-11.1
EBIT margin in %	-72.7%	-229.7%	-46.2%	-180.3%	22.0%	-63.2%	-58.6%	-197.4%
EBT	-4.7	-7.7	-5.3	-9.9	3.6	-7.9	-13.0	-13.6
taxes paid	-0.0	0.0	0.0	0.0	0.9	na	na	na
tax rate in %	0.3%	-0.1%	-0.3%	-0.0%	23.7%	na%	na%	na%
net profit	-4.7	-7.7	-5.3	-9.9	2.8	-7.9	-12.8	-13.7
yoy growth in %	na%	72.3%						
EPS	-0.20	-0.31	-0.20	-0.37	0.10	-0.29	-0.46	-0.45

Source: Company data; mwb research





Company data; mwb research

_Source:



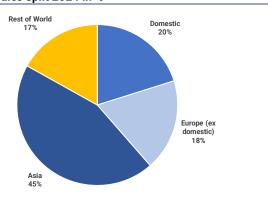


Investment case in six charts

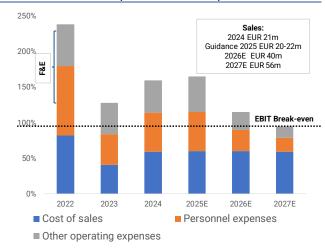
AEM's patented electrolysis systems



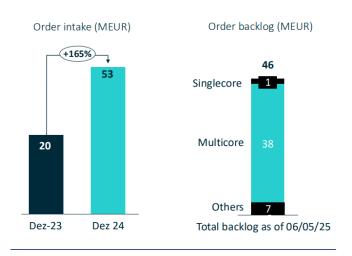
Regional sales split 2024 in %



Cost outlook mwb est. (as % of total sales)

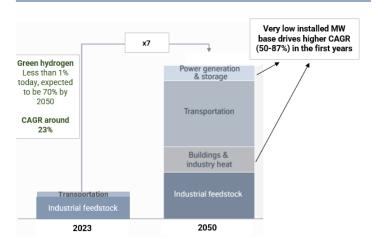


Electrolyser Orders



Major Shareholders

Hydrogen area outlook



Source: Company data; mwb research

Sergei Storozhenko; 4.2% Morgan Stanley; 4.8% CVI Investment (Jeffrey Yass); 7.0% Svelland Global ; 20.1%



(Sebastian Schmidt); 40.3%



SWOT analysis

Strengths

- Lower cost technology than PEM (lower material costs)
- No dependence on rare metals such as titanium and iridium
- Flexible units for different plant sizes
- Broad customer network
- Focus on electricity storage with hydrogen
- · Patented core IP
- Software expertise in stack interconnection
- Full vertical integration and self-sufficiency

Weaknesses

- · Only single-digit MW installed to date
- Limited track record of technology
- Growth (R&D and capex) will require outside funding
- Order volumes still too low to reach break-even point

Opportunities

- Standardized modules enable mass production and economies of scale
- Improving the power of a stacked module to MW
- Profitable service contracts
- Rapidly expanding hydrogen energy storage market from a low base (especially in Europe)

Threats

- Mass production not taking off as expected
- Market is still in its infancy, threat of new technologies
- Market transition from a subsidy-driven, supplier-centric market to a low-margin, demand-driven market, similar to the wind and solar industries
- High cost of electricity making electrolysis less profitable for customers



Valuation

DCF Model

The DCF model results in a fair value of EUR 3.50 per share:

Top-line growth: We expect Enapter AG to grow revenues at a CAGR of 26.2% between 2025E and 2032E. The long-term growth rate is set at 2.0%.

ROCE. Returns on capital are developing from -12.5% in 2025E to 12.2% in 2032E.

WACC. Starting point is a historical equity beta of 1.53. Unleverering and correcting for mean reversion yields an asset beta of 0.87. Combined with a risk-free rate of 2.0% and an equity risk premium of 6.0% this yields cost of equity of 11.2%. With pre-tax cost of borrowing at 5.0%, a tax rate of 25.0% and target debt/equity of 1.0 this results in a long-term WACC of 7.5%.

DCF (EURm) (except per share data and beta)	2025E	2026E	2027E	2028E	2029E	2030E	2031E	2032E	Terminal value
NOPAT	-16.1	-2.8	0.2	6.1	11.4	12.7	13.5	13.9	
Depreciation & amortization	4.7	4.3	6.4	6.6	6.9	7.2	7.4	7.3	
Change in working capital	5.6	-3.2	-3.2	-2.6	-2.3	-2.1	-2.0	-2.2	
Chg. in long-term provisions	-1.1	0.3	0.5	-0.6	0.2	0.1	0.1	0.1	
Capex	-5.4	-5.2	-6.7	-7.8	-8.8	-7.9	-7.5	-7.7	
Cash flow	-12.3	-6.5	-2.8	1.8	7.6	10.1	11.5	11.5	214.7
Present value	-12.0	-5.8	-2.4	1.4	5.5	6.9	7.3	6.8	127.2
WACC	9.4%	10.2%	7.5%	7.6%	7.6%	7.5%	7.5%	7.5%	7.5%

DCF per share derived from	
Total present value	134.9
Mid-year adj. total present value	140.2
Net debt / cash at start of year	33.2
Financial assets	0.8
Provisions and off b/s debt	0.9
Equity value	107.0
No. of shares outstanding	30.6
Discounted cash flow / share	3.50
upside/(downside)	94.5%
Share price	1.80

DCF avg. growth and earnings assumptions	
Planning horizon avg. revenue growth (2025E-2032E)	26.2%
Terminal value growth (2032E - infinity)	2.0%
Terminal year ROCE	12.2%
Terminal year WACC	7.5%

Terminal WACC derived from	
Cost of borrowing (before taxes)	5.0%
Long-term tax rate	25.0%
Equity beta	1.53
Unlevered beta (industry or company)	0.87
Target debt / equity	1.0
Relevered beta	1.53
Risk-free rate	2.0%
Equity risk premium	6.0%
Cost of equity	11.2%

Sensitivity anal	lysis DCF							
		Long term g	jrowth				Share of present value	
ပ္		1.0%	1.5%	2.0%	2.5%	3.0%		
ge in WACC -points)	2.0%	1.5	1.7	1.9	2.1	2.4	2025E-2028E	-13.9%
n V jint	1.0%	2.1	2.3	2.6	2.9	3.2	2029E-2032E	19.7%
ge i _o -pc	0.0%	2.8	3.1	3.5	4.0	4.5	terminal value	94.3%
Change (%-pc	-1.0%	3.8	4.3	4.9	5.6	6.6		
Ö	-2.0%	5.2	6.0	7.0	8.4	10.3		

Source: mwb research





FCF Yield Model

Due to the fact that companies rarely bear sufficient resemblance to peers in terms of geographical exposure, size or competitive strength and in order to adjust for the pitfalls of weak long-term visibility, an Adjusted Free Cash Flow analysis (Adjusted FCF) has been conducted.

The adjusted Free Cash Flow Yield results in a fair value between EUR -9.32 per share based on 2025E and EUR 3.53 per share on 2029E estimates.

The main driver of this model is the level of return available to a controlling investor, influenced by the cost of that investors' capital (opportunity costs) and the purchase price – in this case the enterprise value of the company. Here, the adjusted FCF yield is used as a proxy for the required return and is defined as EBITDA less minority interest, taxes and investments required to maintain existing assets (maintenance capex).

FCF yield in EURm		2025E	2026E	2027E	2028E	2029E
EBITDA		-10.0	2.0	6.7	14.8	22.1
- Maintenance cape	X	4.7	4.3	6.4	6.6	6.9
- Minorities		0.0	0.0	0.0	0.0	0.0
- tax expenses		2.0	1.9	0.1	2.0	3.8
= Adjusted FCF		-16.7	-4.2	0.2	6.1	11.4
Actual Market Cap		55.0	55.0	55.0	55.0	55.0
+ Net debt (cash)		47.5	62.6	65.4	63.7	56.1
+ Pension provision	s	0.0	0.0	0.0	0.0	0.0
+ Off B/S financing		0.0	0.0	0.0	0.0	0.0
- Financial assets		0.8	0.8	0.8	0.8	0.8
- Acc. dividend payn	nents	0.0	0.0	0.0	0.0	0.0
EV Reconciliations		46.7	61.8	64.6	62.9	55.3
= Actual EV'		101.7	116.8	119.6	117.9	110.3
Adjusted FCF yield		-16.4%	-3.6%	0.2%	5.2%	10.4%
base hurdle rate		7.0%	7.0%	7.0%	7.0%	7.0%
ESG adjustment		0.0%	0.0%	0.0%	0.0%	0.0%
adjusted hurdle rate	:	7.0%	7.0%	7.0%	7.0%	7.0%
Fair EV		-238.1	-60.0	2.9	87.5	163.1
- EV Reconciliations		46.7	61.8	64.6	62.9	55.3
Fair Market Cap		-284.8	-121.8	-61.8	24.6	107.8
No. of shares (millio	nn)	30.6	30.6	30.6	30.6	30.6
Fair value per share	,	-9.32	-3.99	-2.02	0.81	3.53
Premium (-) / disco		-617.8%	-321.6%	-212.3%	-55.2%	96.0%
Sensitivity analysis	FV					
	5.0%	-12.4	-4.8	-2.0	2.0	5.7
Adjuste	6.0%	-10.6	-4.3	-2.0	1.3	4.4
d hurdle	7.0%	-9.3	-4.0	-2.0	0.8	3.5
rate	8.0%	-8.3	-3.7	-2.0	0.4	2.9
	9.0%	-7.6	-3.6	-2.0	0.4	2.3
	9.0 /0	-7.0	-3.0	-2.0	U.Z	2.3

Source: Company data; mwb research

Simply put, the model assumes that investors require companies to generate a minimum return on the investor's purchase price. The required after-tax return equals the model's hurdle rate of 7.0%. Anything less suggests the stock is expensive; anything more suggests the stock is cheap. **ESG adjustments might be applicable.** A high score indicates high awareness for environmental, social or governance issues and thus might lower the overall risk an investment in the company might carry. A low score on the contrary might increase the risk of an investment and might therefore trigger a higher required hurdle rate.





Peer group analysis

A peer group or comparable company ("comps") analysis is a methodology that calculates a company's relative value — how much it should be worth based on how it compares to other similar companies. Given that **Enapter AG** differs quite significantly in terms of size, focus, financial health and growth trajectory, we regard our peer group analysis merely as a support for other valuation methods. The peer group of Enapter AG consists of the stocks displayed in the chart below. As of 23 September 2025 the median market cap of the peer group was EUR 539.3m, compared to EUR 55.0m for Enapter AG. In the period under review, the peer group was less profitable than Enapter AG. The expectations for sales growth are lower for the peer group than for Enapter AG.

Peer Group - Key data 80% 70% 60% 50% 40% 30% 20% 10% 0% -10% Market Cap **EBITDA EBITDA** EBIT margin EBIT margin Sales CAGR (EURm) margin 2025 margin 2026 2025 2026 2024-2027 23-Sep-25 NEL ASA 334 0.0% -19.2% -69.9% -40.0% 0.6% Plug Power Inc. 2,600 -81.1% -64.0% -20.7% -36.9% 17.1% ITM Power PLC 539 -64.7% -30.3% -82.6% -43.5% 57.8% PowerCell Sweden AB 172 2.7% 2.6% 2.0% -0.6% 26.9% thyssenkrupp nucera AG & Co. KGaA 1,261 2.2% 0.2% 0.8% -0.5% 1.1% Enapter AG 55 -46.5% 5.0% -68.3% -5.8% 57.6% Peer Group Median -31.4% -19.2% -69.9% -36.9% 17.1% 539

Source: FactSet, mwb research

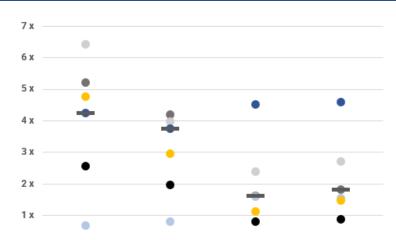




Comparable company analysis operates under the assumption that similar companies will have similar valuation multiples. We use the following multiples: EV/Sales 2025, EV/Sales 2026, P/BV 2025 and P/BV 2026.

Applying these to Enapter AG results in a range of fair values from EUR 1.43 to EUR 3.33.

Peer Group - Multiples and valuation



23-Sep-25	EV/Sales 2025	EV/Sales 2026	P/BV 2025	P/BV 2026
● NEL ASA	2.6x	2.0x	0.8x	0.9x
Plug Power Inc.	5.2x	4.2x	1.6x	1.8x
ITM Power PLC	6.4x	4.0x	2.4x	2.7x
PowerCell Sweden AB	4.3x	3.8x	4.5x	4.6x
thyssenkrupp nucera AG & Co. KGaA	0.7x	0.8x	1.6x	1.6x
• Enapter AG	4.8x	3.0x	1.1x	1.5x
- Peer Group Median	4.3x	3.8x	1.6x	1.8x
Fair Value (EUR)	1.43	3.33	2.21	3.15

Source: FactSet, mwb research

The following is a detailed description of the peer group (Source: Sentieo):

Nel ASA, formerly Diagenic ASA, is a Norway-based hydrogen company that delivers solutions to produce, store and distribute hydrogen from renewable energy. The Company's hydrogen solutions cover the entire value chain from hydrogen production technologies to hydrogen fueling stations. Nel ASA's operations are divided into two operating segments, Nel Hydrogen Fueling and Nel Hydrogen Electrolyser. The Nel Hydrogen Fueling Segment is a manufacturer of hydrogen fueling stations that provide Fuel Cell Electric Vehicles (FCEVs) with the same fast fueling and long range as conventional fossil fuel vehicles, while the Nel Hydrogen Electrolyser Segment is a global supplier of hydrogen production equipment and plants based on both alkaline and Polymer Electrolyte Membrane (PEM) water electrolyser technology. The Company has several subsidiaries, including Proton Energy Systems Inc, Nel Hydrogen Electrolyser AS and Nel Korea Co Ltd.

ITM Power plc is an energy storage and clean fuel company. The Company manufactures integrated hydrogen energy solutions for grid balancing, energy storage and the production of renewable hydrogen for transport, renewable heat and chemicals. Its proton exchange membrane (PEM) electrolysers use renewable electricity and water to create green hydrogen through a process called electrolysis. Its electrolysers include HGAS1SP, HGAS3SP and 3MEP CUBE. HGAS1SP is a small containerized PEM electrolyser system and its Plug & Play product includes a single ITM Power PEM electrolyser stack alongside all the necessary sub-systems required to produce self-pressurized green hydrogen gas. HGAS3SP is a medium-sized containerized PEM electrolyser system, and its Plug & Play product includes three ITM Power PEM electrolyser stacks alongside all the necessary sub-systems





required to produce self-pressurized green hydrogen gas. 3MEP CUBE is a modular system for large hydrogen production.

Plug Power Inc. is a provider of hydrogen fuel cell turnkey solutions. The Company provide electrolyzers that allow customers, such as refineries, producers of chemicals, steel, fertilizer and commercial refueling stations, to generate hydrogen on-site. It focuses on industrial mobility applications, including electric forklifts and electric industrial vehicles, at multi-shift high volume manufacturing and high throughput distribution sites and environmental benefits; stationary power systems that supports critical operations, such as data centers, microgrids and generation facilities, in either a backup power or continuous power role and replace batteries, diesel generators or the grid for telecommunication logistics, transportation, and utility customers; and production of hydrogen. Its products include GenDrive, GenFuel, GenCare, GenSure, GenKey, ProGen, Electrolyzers, Liquefaction Systems and Cryogenic Equipment. It serves the North American and European material handling markets.

Powercell Sweden AB (publ) is a Sweden-based company active in the field of clean energy. It is engaged in the development, manufacture and sales of power systems with fuel cell and reformer technology. Its systems work both fossil and renewable fuels and convert them to hydrogen, which drives the power cells. The Company's product offering comprises: Fuel Cell Stack, designed to work in the auxiliary power unit (APU) environment on reformate gas or hydrogen and varying from one to six kilowatts (kW); and PowerPac, a complete electric power-generating unit operating in the range between one and three kW, which uses low sulfur road diesel. The possible applications of its products include telecommunication, transport, power supply to buildings, and military.

Thyssenkrupp nucera is an environmental technology company for electrolysis systems. The company focuses on the development, production, project management and maintenance of systems for the production of hydrogen by the chlor-alkali process for industrial use and by alkaline hydrogen electrolysis for the supply of green energy. (Source: mwb research)

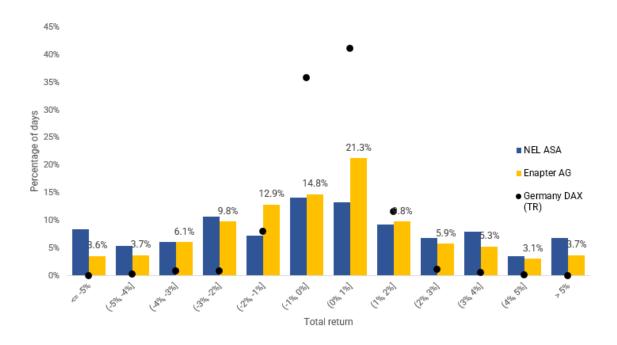




Risk

The chart displays the **distribution of daily returns of Enapter AG** over the last 3 years, compared to the same distribution for NEL ASA. We have also included the distribution for the index Germany DAX (TR). The distribution gives a better understanding of risk than measures like volatility, which assume that log returns are normally distributed. In reality, they are skewed (down moves are larger) and have fat tails (large moves occur more often than predicted). Also, volatility treats up and down moves the same, while investors are more worried about down moves. For Enapter AG, the worst day during the past 3 years was 09/12/2022 with a share price decline of -20.0%. The best day was 29/12/2023 when the share price increased by 17.1%.

Risk - Daily Returns Distribution (trailing 3 years)

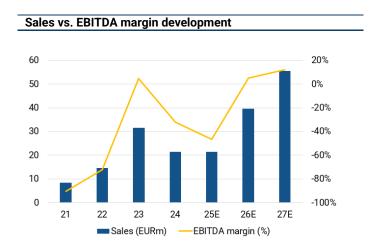


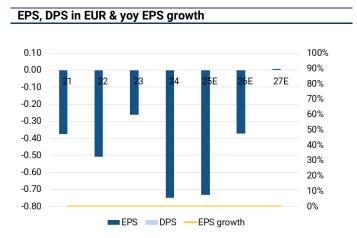
Source: FactSet, mwb research

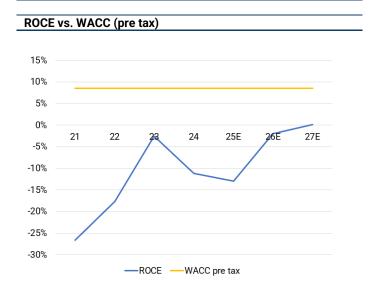


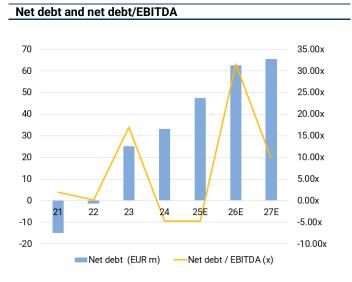


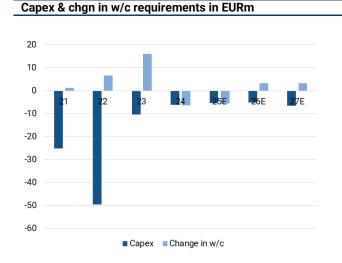
Financials in six charts

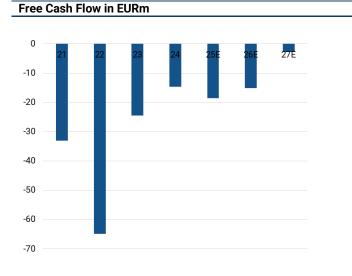












Source: Company data; mwb research

Research**Hub**



Financials

Profit and loss (EURm)	2022	2023	2024	2025E	2026E	2027E
Net sales	14.7	31.6	21.4	21.4	39.7	55.5
Sales growth	73.8%	115.4%	-32.2%	0.0%	85.0%	40.0%
Change in finished goods and work-in-process	0.5	2.1	-2.1	0.0	0.0	0.0
Total sales	15.2	33.7	19.3	21.4	39.7	55.5
Material expenses	12.0	13.0	12.7	12.9	23.8	32.8
Gross profit	3.2	20.7	6.6	8.6	15.9	22.8
Other operating income	9.2	8.2	7.9	4.0	7.9	3.9
Personnel expenses	14.3	13.6	11.7	11.8	11.9	11.1
Other operating expenses	8.6	13.9	9.7	10.7	9.9	8.9
EBITDA	-10.6	1.5	-6.9	-10.0	2.0	6.7
Depreciation	2.3	4.2	6.0	4.7	4.3	6.4
EBITA	-12.9	-2.7	-12.9	-14.6	-2.3	0.3
Amortisation of goodwill and intangible assets	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	-12.9	-2.7	-12.9	-14.6	-2.3	0.3
Financial result	-0.1	-3.6	-7.9	-5.7	-7.2	0.0
Recurring pretax income from continuing operations	-13.0	-6.3	-20.9	-20.3	-9.5	0.3
Extraordinary income/loss	0.0	0.0	0.0	0.0	0.0	0.0
Earnings before taxes	-13.0	-6.3	-20.9	-20.3	-9.5	0.3
Taxes	0.0	0.9	-0.2	2.0	1.9	0.1
Net income from continuing operations	-13.0	-7.2	-20.7	-22.4	-11.4	0.2
Result from discontinued operations (net of tax)	0.0	0.0	0.0	0.0	0.0	0.0
Net income	-13.0	-7.2	-20.7	-22.4	-11.4	0.2
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0
Net profit (reported)	-13.0	-7.2	-20.7	-22.4	-11.4	0.2
Average number of shares	25.51	27.20	27.64	30.55	30.55	30.55
EPS reported	-0.51	-0.26	-0.75	-0.73	-0.37	0.01

Profit and loss (common size)	2022	2023	2024	2025E	2026E	2027E
Net sales	100%	100%	100%	100%	100%	100%
Change in finished goods and work-in-process	4%	7%	-10%	0%	0%	0%
Total sales	104%	107%	90%	100%	100%	100%
Material expenses	82%	41%	59%	60%	60%	59%
Gross profit	22%	66%	31%	40%	40%	41%
Other operating income	63%	26%	37%	18%	20%	7%
Personnel expenses	97%	43%	55%	55%	30%	20%
Other operating expenses	59%	44%	45%	50%	25%	16%
EBITDA	-72 %	5%	-32%	-47%	5%	12%
Depreciation	16%	13%	28%	22%	11%	12%
EBITA	-88%	-8%	-60%	-68%	-6%	0%
Amortisation of goodwill and intangible assets	0%	0%	0%	0%	0%	0%
EBIT	-88%	-8%	-60%	-68%	-6%	0%
Financial result	-1%	-11%	-37%	-27%	-18%	0%
Recurring pretax income from continuing operations	-88%	-20%	-97%	-95%	-24%	0%
Extraordinary income/loss	0%	0%	0%	0%	0%	0%
Earnings before taxes	-88%	-20%	-97%	-95%	-24%	0%
Taxes	0%	3%	-1%	9%	5%	0%
Net income from continuing operations	-88%	-23%	-97%	-104%	-29%	0%
Result from discontinued operations (net of tax)	0%	0%	0%	0%	0%	0%
Net income	-88%	-23%	-97%	-104%	-29%	0%
Minority interest	0%	0%	0%	0%	0%	0%
Net profit (reported)	-88%	-23%	-97%	-104%	-29%	0%

Source: Company data; mwb research





Balance sheet (EURm)	2022	2023	2024	2025E	2026E	2027E
Intangible assets (exl. Goodwill)	10.3	12.0	14.4	15.5	16.6	17.8
Goodwill	0.0	0.0	0.0	0.0	0.0	0.0
Property, plant and equipment	68.8	72.9	71.8	71.4	71.1	70.2
Financial assets	1.2	1.8	0.8	0.8	0.8	0.8
FIXED ASSETS	80.2	86.6	86.9	87.6	88.5	88.8
Inventories	8.4	11.3	8.8	7.0	9.8	13.5
Accounts receivable	9.7	23.3	37.3	17.6	16.3	19.8
Other current assets	0.2	5.6	5.6	5.6	5.6	5.6
Liquid assets	5.1	14.6	4.6	17.5	17.4	44.6
Deferred taxes	0.0	0.0	0.0	0.0	0.0	0.0
Deferred charges and prepaid expenses	4.2	0.0	0.0	3.2	5.9	8.3
CURRENT ASSETS	27.6	54.8	56.3	51.0	55.0	91.7
TOTAL ASSETS	107.8	141.4	143.2	138.6	143.5	180.5
SHAREHOLDERS EQUITY	86.5	80.3	66.4	48.4	37.0	37.2
MINORITY INTEREST	0.0	0.0	0.0	0.0	0.0	0.0
Long-term debt	2.8	38.7	32.9	45.0	60.0	80.0
Provisions for pensions and similar obligations	0.0	0.8	0.9	0.0	0.0	0.0
Other provisions	2.4	2.1	3.9	3.6	4.0	4.4
Non-current liabilities	5.3	41.5	37.6	48.6	64.0	84.4
short-term liabilities to banks	1.0	1.1	4.9	20.0	20.0	30.0
Accounts payable	11.2	5.5	7.5	11.3	7.2	9.9
Advance payments received on orders	0.3	0.7	0.0	4.3	4.8	4.4
Other liabilities (incl. from lease and rental contracts)	1.5	11.4	23.1	5.4	9.9	13.9
Deferred taxes	0.0	0.9	0.7	0.7	0.7	0.7
Deferred income	2.1	0.0	2.9	0.0	0.0	0.0
Current liabilities	16.1	19.6	39.2	41.6	42.5	58.9
TOTAL LIABILITIES AND SHAREHOLDERS EQUITY	107.8	141.4	143.2	138.6	143.5	180.5
Balance sheet (common size)	2022	2023	2024	2025E	2026E	2027E
Intangible assets (excl. Goodwill)	10%	8%	10%	11%	12%	10%
Goodwill	0%	0%	0%	0%	0%	0%
Property, plant and equipment	64%	52%	50%	51%	50%	39%
Financial assets	1%	1%	1%	1%	1%	0%
FIXED ASSETS	74%	61%	61%	63%	62%	49%
Inventories	8%	8%	6%	5%	7%	7%
Accounts receivable	9%	16%	26%	13%	11%	11%
Other current assets	0%	4%	4%	4%	4%	3%
Liquid assets	5%	10%	3%	13%	12%	25%
Deferred taxes	0%	0%	0%	0%	0%	0%
Deferred charges and prepaid expenses	4%	0%	0%	2%	4%	5%
CURRENT ASSETS	26%	39%	39%	37%	38%	51%
TOTAL ASSETS	100%	100%	100%	100%	100%	100%
SHAREHOLDERS EQUITY	80%	57%	46%	35%	26%	21%
MINORITY INTEREST	0%	0%	0%	0%	0%	0%

74%	61%	61%	63%	62%	49%
8%	8%	6%	5%	7%	7%
9%	16%	26%	13%	11%	11%
0%	4%	4%	4%	4%	3%
5%	10%	3%	13%	12%	25%
0%	0%	0%	0%	0%	0%
4%	0%	0%	2%	4%	5%
26%	39%	39%	37%	38%	51%
100%	100%	100%	100%	100%	100%
80%	57%	46%	35%	26%	21%
0%	0%	0%	0%	0%	0%
3%	27%	23%	32%	42%	44%
0%	1%	1%	0%	0%	0%
2%	1%	3%	3%	3%	2%
5%	29%	26%	35%	45%	47%
1%	1%	3%	14%	14%	17%
10%	4%	5%	8%	5%	5%
0%	1%	0%	3%	3%	2%
1%	8%	16%	4%	7%	8%
0%	1%	0%	1%	0%	0%
2%	0%	2%	0%	0%	0%
15%	14%	27%	30%	30%	33%
100%	100%	100%	100%	100%	100%
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Cash flow statement (EURm)	2022	2023	2024	2025E	2026E	2027E
Net profit/loss	-13.0	-7.2	-20.7	-22.4	-11.4	0.2
Depreciation of fixed assets (incl. leases)	2.3	4.2	6.0	4.7	4.3	6.4
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	0.0	0.0	0.0	0.0	0.0	0.0
Others	1.8	5.0	-0.2	-1.1	0.3	0.5
Cash flow from operations before changes in w/c	-8.9	2.0	-14.9	-18.8	-6.8	7.1
Increase/decrease in inventory	-4.8	-2.9	2.5	1.8	-2.7	-3.7
Increase/decrease in accounts receivable	-6.1	-14.8	-14.0	19.7	1.3	-3.5
Increase/decrease in accounts payable	4.5	0.7	18.3	3.7	-4.1	2.7
Increase/decrease in other w/c positions	-0.1	0.9	-0.4	-19.6	2.3	1.3
Increase/decrease in working capital	-6.5	-16.0	6.4	5.6	-3.2	-3.2
Cash flow from operating activities	-15.5	-14.1	-8.5	-13.3	-10.0	3.9
CAPEX	-49.5	-10.4	-6.2	-5.4	-5.2	-6.7
Payments for acquisitions	0.0	0.0	0.0	0.0	0.0	0.0
Financial investments	-0.0	0.0	0.0	0.0	0.0	0.0
Income from asset disposals	0.0	0.0	0.0	0.0	0.0	0.0
Cash flow from investing activities	-49.5	-10.4	-6.2	-5.4	-5.2	-6.7
Cash flow before financing	-65.0	-24.5	-14.7	-18.6	-15.2	-2.8
Increase/decrease in debt position	-0.8	34.0	-2.6	27.3	15.0	30.0
Purchase of own shares	0.0	0.0	0.0	0.0	0.0	0.0
Capital measures	53.0	0.0	8.0	4.3	0.0	0.0
Dividends paid	0.0	0.0	0.0	0.0	0.0	0.0
Others	-1.8	0.0	-0.8	0.0	0.0	0.0
Effects of exchange rate changes on cash	0.0	0.0	0.0	0.0	0.0	0.0
Cash flow from financing activities	50.4	34.0	4.7	31.6	15.0	30.0
Increase/decrease in liquid assets	-14.5	9.5	-10.0	13.0	-0.2	27.2
Liquid assets at end of period	5.1	14.6	4.6	17.5	17.4	44.6

Source: Company data; mwb research

Regional sales split (EURm)	2022	2023	2024	2025E	2026E	2027E
Domestic	7.8	11.3	4.4	4.4	8.1	11.3
Europe (ex domestic)	2.7	17.1	4.0	4.0	7.4	10.4
The Americas	0.4	0.0	0.0	0.0	0.0	0.0
Asia	2.4	0.0	9.7	9.7	17.9	25.1
Rest of World	1.4	3.2	3.7	3.7	6.8	9.5
Total sales	14.7	31.6	21.4	21.4	39.7	55.5

Regional sales split (common size)	2022	2023	2024	2025E	2026E	2027E
Domestic	52.9%	35.7%	20.4%	20.4%	20.4%	20.4%
Europe (ex domestic)	18.3%	54.2%	18.7%	18.7%	18.7%	18.7%
The Americas	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Asia	16.1%	0.0%	45.1%	45.1%	45.1%	45.1%
Rest of World	9.6%	10.1%	17.1%	17.1%	17.1%	17.1%
Total sales	100%	100%	100%	100%	100%	100%

Source: Company data; mwb research





Ratios	2022	2023	2024	2025E	2026E	2027E
Per share data						
Earnings per share reported	-0.51	-0.26	-0.75	-0.73	-0.37	0.01
Cash flow per share	-0.61	-0.52	-0.31	-0.59	-0.47	-0.08
Book value per share	3.39	2.95	2.40	1.58	1.21	1.22
Dividend per share	0.00	0.00	0.00	0.00	0.00	0.00
Valuation						
P/E	-3.5x	-6.8x	-2.4x	-2.5x	-4.8x	274.0x
P/CF	-3.0x	-3.5x	-5.9x	-3.1x	-3.8x	-21.9x
P/BV	0.5x	0.6x	0.7x	1.1x	1.5x	1.5x
Dividend yield (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
FCF yield (%)	-33.7%	-28.7%	-17.1%	-32.6%	-26.0%	-4.6%
EV/Sales	3.7x	2.6x	4.2x	4.8x	3.0x	2.2x
EV/EBITDA	-5.1x	54.5x	-12.8x	-10.3x	59.3x	18.1x
EV/EBIT	-4.2x	-30.2x	-6.9x	-7.0x	-51.2x	450.9x
Income statement (EURm)						
Sales	14.7	31.6	21.4	21.4	39.7	55.5
yoy chg in %	73.8%	115.4%	-32.2%	0.0%	85.0%	40.0%
Gross profit	3.2	20.7	6.6	8.6	15.9	22.8
Gross margin in %	21.7%	65.6%	30.9%	40.0%	40.0%	41.0%
EBITDA	-10.6	1.5	-6.9	-10.0	2.0	6.7
EBITDA margin in %	-72.1%	4.7%	-32.3%	-46.5%	5.0%	12.0%
EBIT	-12.9	-2.7	-12.9	-14.6	-2.3	0.3
EBIT margin in %	-87.6%	-8.5%	-60.4%	-68.3%	-5.8%	0.5%
Net profit	-13.0	-7.2	-20.7	-22.4	-11.4	0.2
Cash flow statement (EURm)						
CF from operations	-15.5	-14.1	-8.5	-13.3	-10.0	3.9
Capex	-49.5	-10.4	-6.2	-5.4	-5.2	-6.7
Maintenance Capex	0.0	0.0	0.0	4.7	4.3	6.4
Free cash flow	-65.0	-24.5	-14.7	-18.6	-15.2	-2.8
Balance sheet (EURm)						
Intangible assets	10.3	12.0	14.4	15.5	16.6	17.8
Tangible assets	68.8	72.9	71.8	71.4	71.1	70.2
Shareholders' equity	86.5	80.3	66.4	48.4	37.0	37.2
Pension provisions	0.0	0.8	0.9	0.0	0.0	0.0
Liabilities and provisions	6.3	42.7	42.5	68.6	84.0	114.4
Net financial debt	-1.2	25.2	33.2	47.5	62.6	65.4
w/c requirements	6.6	28.3	38.6	9.1	14.1	18.9
Ratios						
ROE	-15.0%	-8.9%	-31.2%	-46.2%	-30.8%	0.5%
ROCE	-13.9%	-2.2%	-11.9%	-12.5%	-1.9%	0.2%
Net gearing	-1.4%	31.4%	49.9%	98.2%	169.5%	176.0%
Net debt / EBITDA	0.1x	17.0x	-4.8x	-4.8x	31.6x	9.8x
Source: Company data: much recearch						

Source: Company data; mwb research





Conflicts of interest

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