

COMPRESSED AIR SOLUTIONS FOR THE ENERGY TRANSITION



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Current compressed air energy storages (CAES) are not performant



>5 MW

electrical power, which only applies to grid-scale use cases

40-60%

efficiency, low compared to other storage solutions

<100 bar

pressure, leads to low energy density and requires large air storage

Our patented technology makes CAES ready for the market

50 to 500 kW

electrical power, perfect fit for commercial and industrial use cases

85%

combined efficiency, unique usage of heat and cold from storage process

300bar

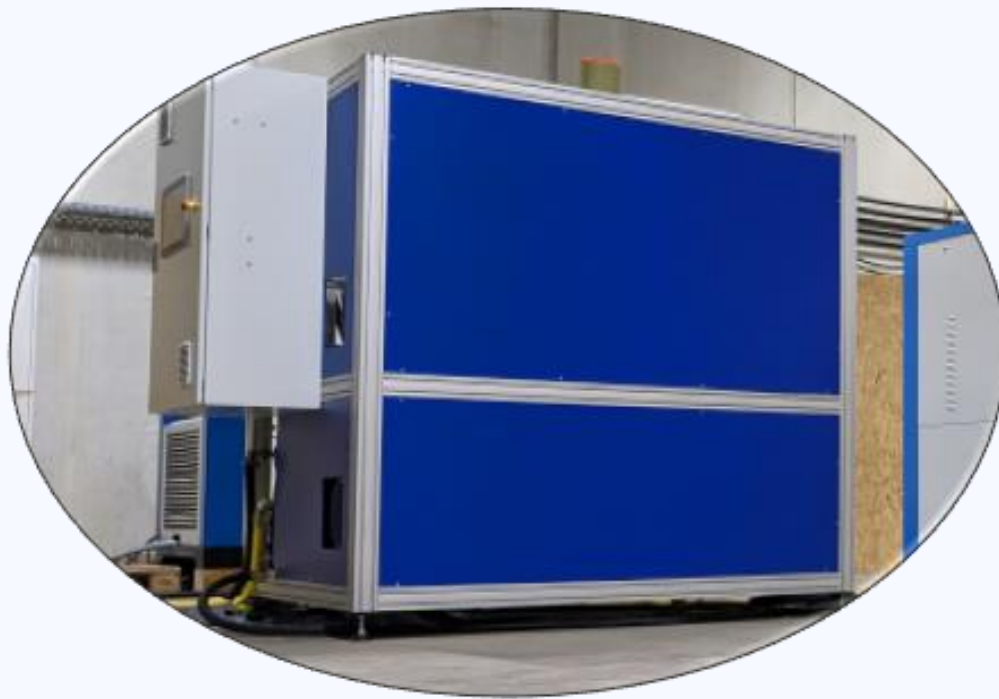
pressure, leads to 3x less space required for storage capacity



And is primed to outperform batteries in cost efficiency and sustainability

	Lithium-Ion Batteries	Redox-Flow Batteries	Green-Y CAES
	efficient & unsustainable	inefficient & sustainable	efficient & sustainable
End-user storage cost in CHF per kWh	700 to 800	800 to 1'000	300 to 500
Overall efficiency in percent	~ 85	~ 75	~ 85
Total life span in years	10 to 15	15 to 20	15 to 20
Payback time in years	8-12	10-15	3-7
Primary material used for energy storage	Lithium	Vanadium	Air & water

Our IP makes the storage efficient, compact, and sustainable



**Low-Pressure
Compressor**

Three patents

Boosts efficiency and enables
heat/cold generation



**High-Pressure
Compressor**

One patent

Reduces storage size and
enables on-site application

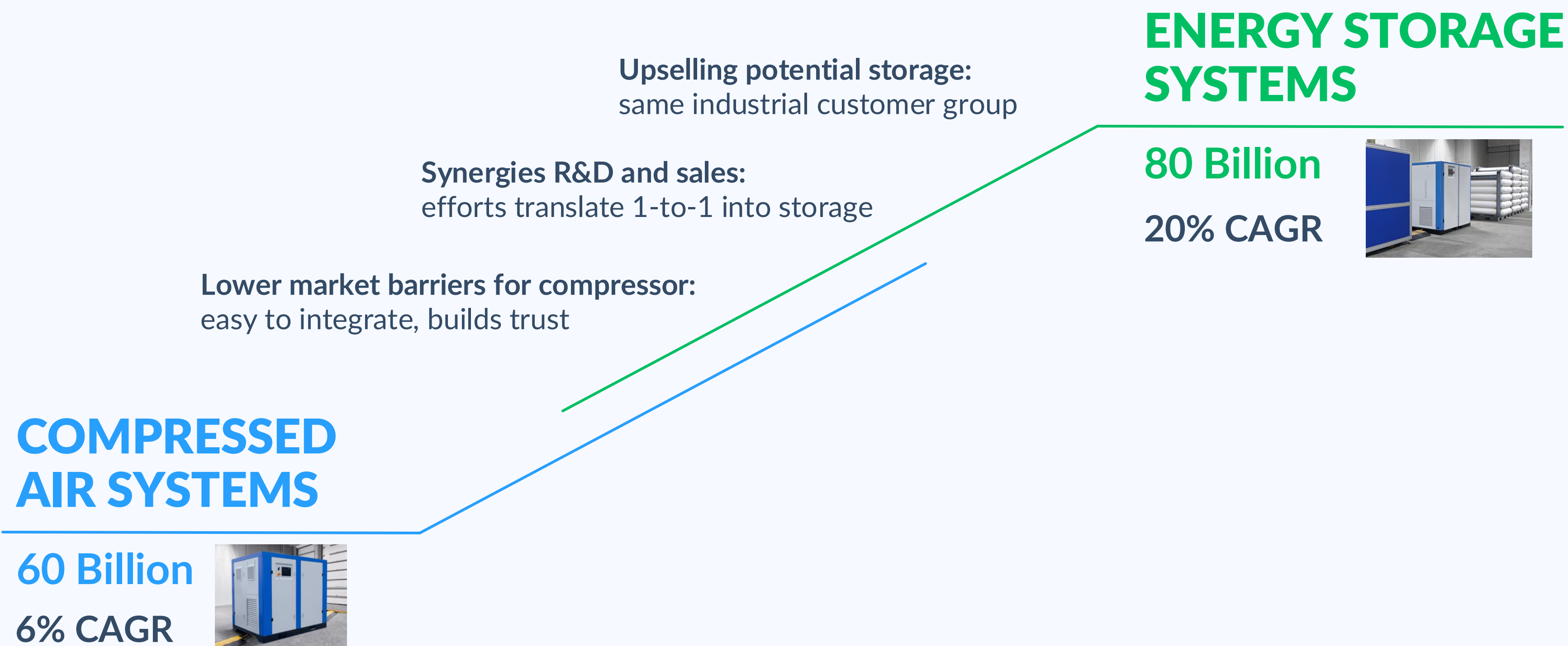


**Recyclable
Storage Tanks**

One patent

Reduces storage capacity costs
and increases sustainability

Compressor stand-alone is a stepping-stone into the energy storage market



Which we verify with our four pilot projects in both segments



Industrials

Energy storage

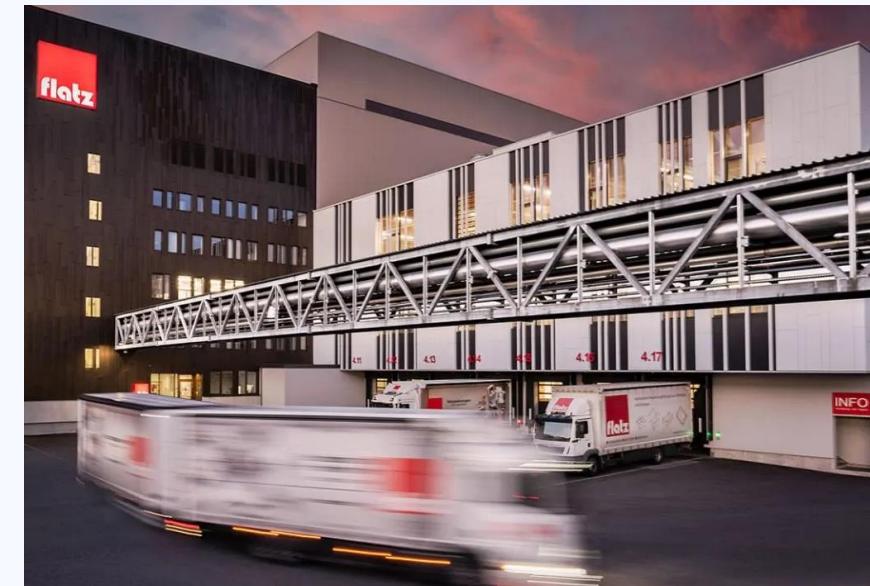
In operation



Industrials

Air compression

Operational start Q1 2025



Industrials

Air compression

Operational start Q2 2025



Office Buildings

Energy storage

Operational start Q3 2025

We enter the market with less-complex compressors, and add CAES later

2025-2026 Market entry
with compressors

2027+ Scaling with compressors plus
energy storage systems

Target customers

B2B: Individual companies,
compressor manufacturers

B2B: Individual companies, real estate developers
B2B2B: Compressed air planners, utilities

Sales channels

Founders network, cold outreach,
exhibitions, industry associations

Upselling, recurring customers,
re-sellers, technology licenses

Planned projects

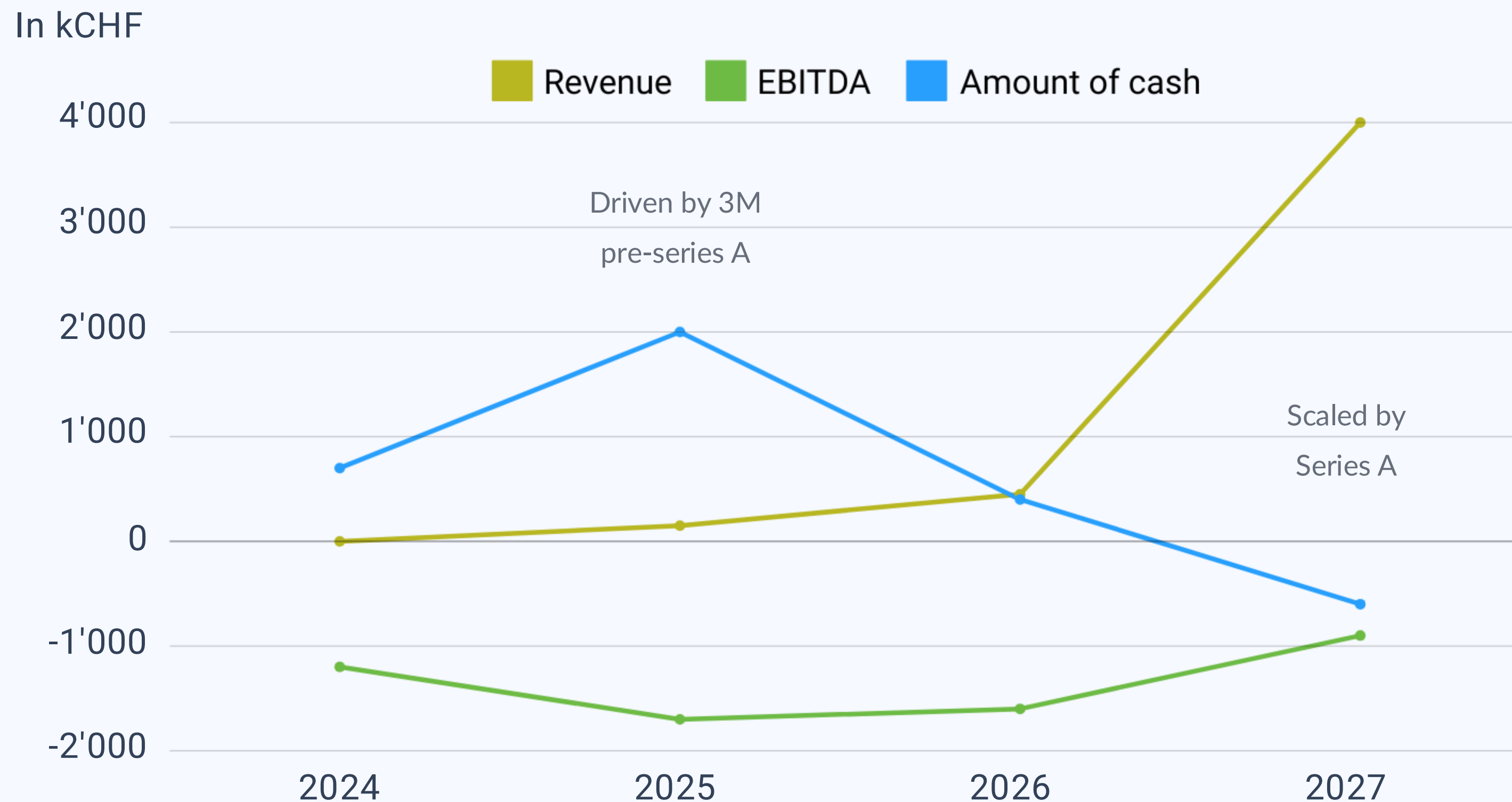


Sales funnel

Sales activities intensified, two contracts
signed during phase 1, to be continued

Over 150 qualified leads, promising
opportunities with volume of CHF 10M

We expect a strong revenue growth within the next three years



This is only possible with the right mix and experience of our founding team

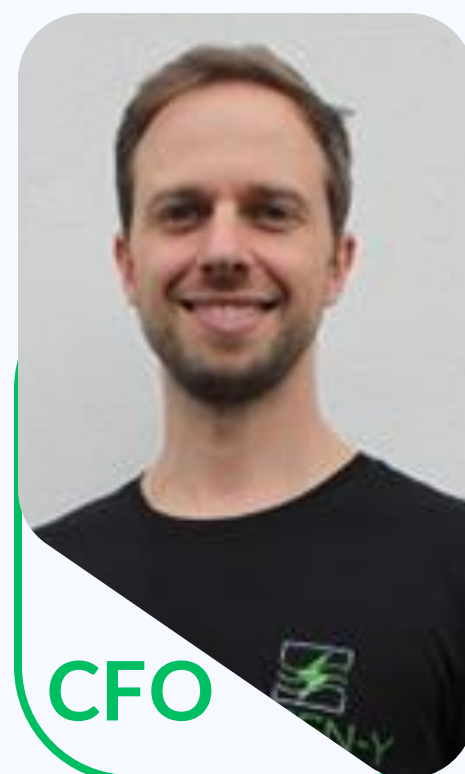


Rafik Barhoumi

CEO

MSc Mechanical Engineering, ETH Zurich

Six years in thermal storage industry and as board member



Peter Fritzen

CFO

MSc Business & Finance, KIT

Five years in consulting for Top Tier utilities, co-founder of German utility



Patrick Baumann

CTO

BSs Mechanical Engineering, FHNW

Eight years in polymechnics and innovation management



Dominik Schnarwiler

COO

MSc Mechanical Engineering, ETH Zurich

Four years in simulations and project management



Umut Ertan

Lead investor for Green-Y

Over 20 years in development of real-estate and logistic parks.

We raise CHF 3M to enter the market, of which 1.5M already committed

CHF 3 Millions

pre-Series A round volume

CHF 1.5 Millions

Already covered

Q1 2025

Subscription period

Use of funds

67% Product scale-up

20% Sales and marketing

13% IP and operations

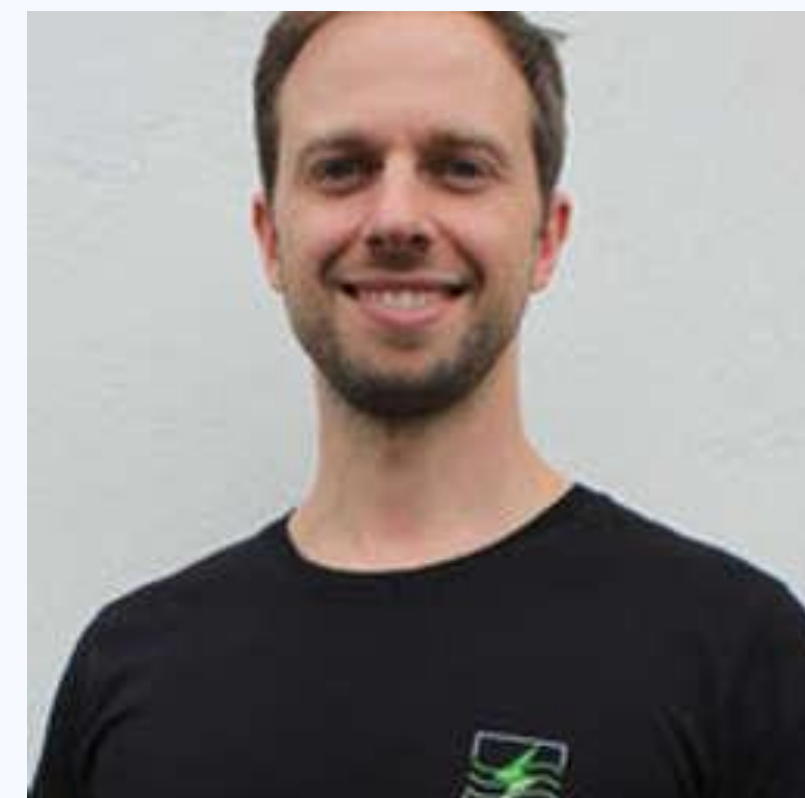


LET'S TACKLE CLIMATE CHANGE TOGETHER



Book a call

<https://meetings.hubspot.com/peter-fritzen>



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