



GREEN-Y

— WE SHIFT ENERGY —

COMPRESSED AIR ENERGY STORAGE
FOR BUILDINGS AND INDUSTRY

max 1500 kg

The world is shifting towards renewable energy

Electricity storages and renewable heat and cold are two key success factors to meet ambitious goals of energy transition.

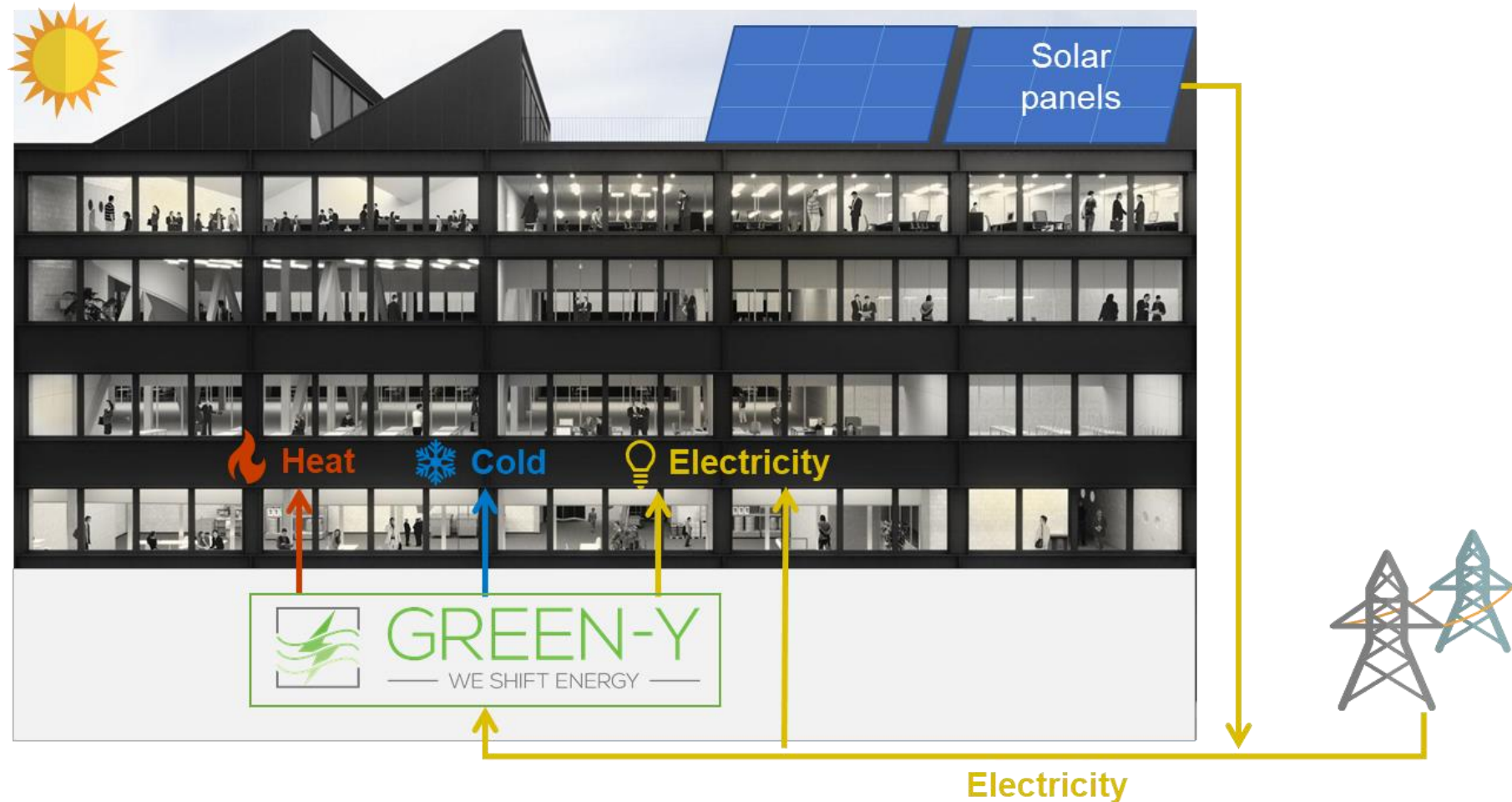


**Integrate
renewable
energy**



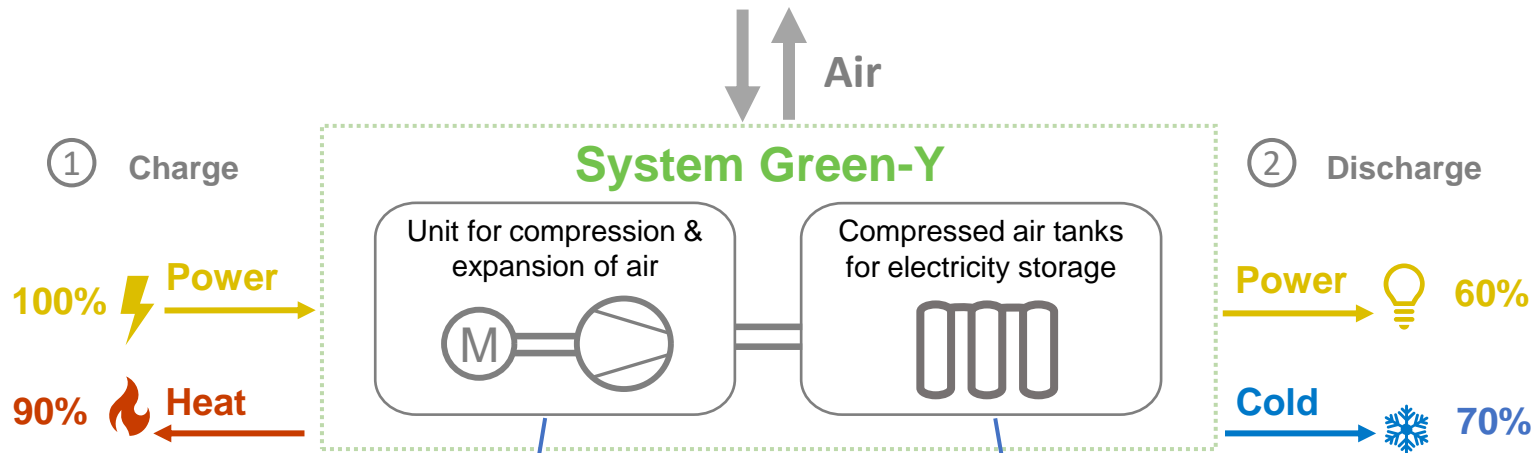
Green-Y offers a sustainable energy storage solution







The innovative solution combines electricity storage, heating and cooling in one device for application in large residential and commercial buildings and industrial applications.



The innovation is a patented compressed air cycle

The patented compressed air technology stores electricity and generates heat and cold, as a stand-alone solution or in combination with existing systems.



- ① **Charge** 
 -  Compression of air and storage at 300 bar
 -  Heat up to 60° is generated when air is compressed
- ② **Discharge** 
 -  Generation electricity with compressed air
 -  Cold downn to 3° is generated when compressed air is released

[Watch Explanation](#)



Power unit
80-500 kW electrical
Footprint: 20kW/m²

Storage tanks
Modular as needed
Footprint: 40 kWh/m²

Photo of pilot in industrial park with 100kW and 75kWh

Customers reduce energy costs and emissions

The combined approach leads to amortization times of 5 years and helps reducing emissions by integrating renewable energy sources for electricity, heat and cold.

	 GREEN-Y — WE SHIFT ENERGY —	 Battery
Amortization	5 years	13 years
CO ₂ savings	10%	3%

Comparison for an office building in Switzerland

 Lifetime
20 years

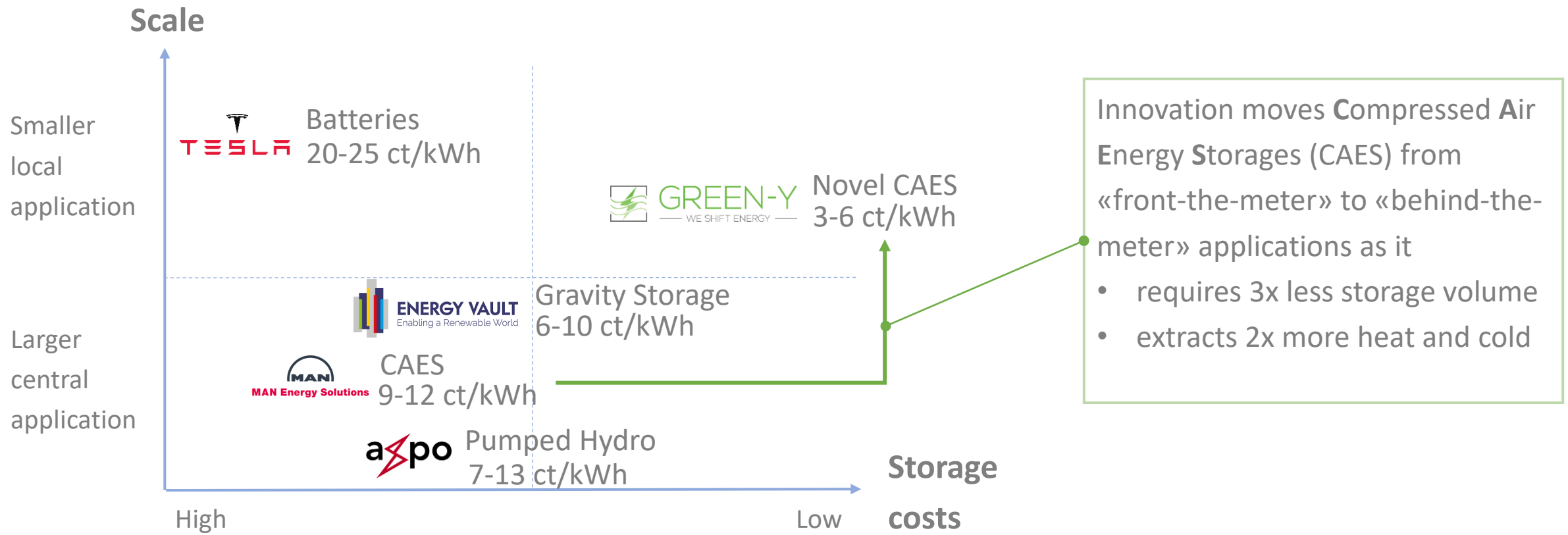
 Works with
air and water

 100%
recyclable



Low storage costs are competitive advantage

Market-leading low storage costs combined with sustainable materials bring competitive advantage compared to other stationary storage solutions.



Source: [Imperial College London \(2018\) - Levelized Cost of Storage](#)

Growing market with a size of 350 bn CHF by 2028

With a wide range of use cases in the growing market for stationary energy storages we target 30 mio CHF revenue by 2028, 0.1% of the 30 bn CHF adressable market.

Commercial



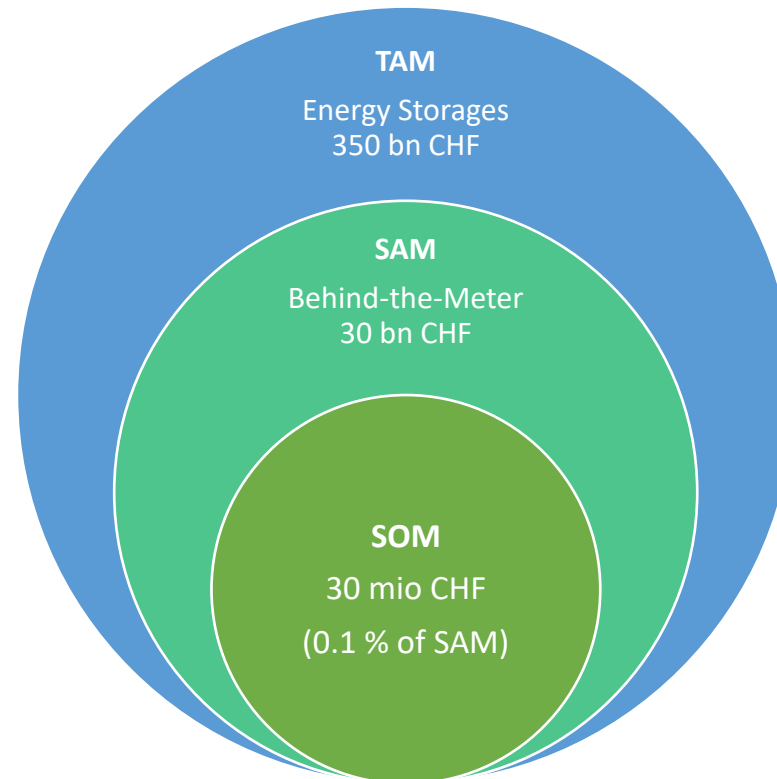
Residential



Industrial



Energy Storage Market, World 2028



TAM = Total Adressable Market
SAM = Serviceable Adressable Market
SOM = Serviceable Obtainable Market

CAGR of 20% driven by

- Growth in renewables and relevant regulatory drivers
- High energy prices
- Demand for energy autonomy and security

Company is growing since incorporation in 2020

Technical development financed by investments and grants, compressed air technology is patented and in TRL6, two paid system demonstrators in pipeline for 2024/2025.

Growing Organization

- ✓ 3 mio CHF investments
- ✓ 1 mio CHF grants
- ✓ 11 employees recruited



Validated technology

- ✓ Patented international
- ✓ Pilot System in TRL 6
- ✓ R&D with university FHNW



Validated market

- ✓ 2x System Demonstrators
- ✓ 8x Customer LOIs
- ✓ 30 bn CHF target market



Clear roadmap with market entry in DACH in 2025

Running pilot and two system demonstrators before market entry DACH in 2025, first customers signed, scaling with recurring revenue and licensing model.



2022-2023

Phase

Pilot



Business Model

[Watch pilot video here!](#)



2023-2025

System Demonstrators



B2B Hardware Sales

[Watch project video here!](#)



2025-2027

Market entry



B2B Hardware Sales

B2B Energy Contracting



Patents granted

2027+

Scaling



B2B Hardware Sales












B2B Energy Contracting

Technology License

Core team of 11 employees with strong partners

4 co-founders, a team of 11 employees with a complementary skill set, a lead investor from real estate market, and strong partners have proven to be a successful company.

Core Team

										
Rafik Founder, CEO	Dominik Founder, COO	Patrick Founder, CTO	Peter Founder, CFO	Pablo Simulations	Mohameddeq Construction	Pascal Electronics	Célia Marketing	Dominique Accounting	Thomas Compressors	Oguzcan Materials

Board

		
Umut Ertan Lead Investor, Real Estate & Logistics	Matthias Zwingli Strategy & startup	Pol Budmiger Innosuisse coach & Entrepreneur

Partners

<p>Research & Development</p>  	<p>Manufacturing & Supply</p>   	<p>Sales & Marketing</p>    	<p>Finance</p>    	<p>Strategy</p>   	<p>Legal + IP</p>   
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We drive the energy transition with innovation

Green-Y has a competitive edge through patented innovation and utilizes a scalable business model within a thriving market, ensuring a promising future.



We are looking for...

- Investment of 8 mio CHF early 2024
- Strategic partnerships for market entry
- Team and board members
- Customer projects starting in 2025



GREEN-Y

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LET'S TACKLE CLIMATE CHANGE TOGETHER

