



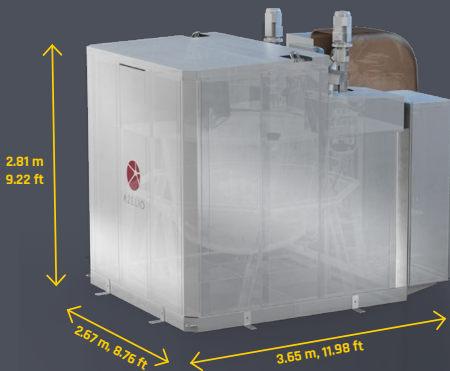
Powering the evolution of a renewable society

Azelio is a cleantech company headquartered in Gothenburg, Sweden. We have developed an ingenious long-duration energy storage technology providing dispatchable electricity and usable heat for all hours of the day, with zero emissions and at a very competitive cost.

We power the evolution of a renewable society – for people, businesses, and the planet.



The Azelio TES.POD Thermal Energy Storage. Power On Demand



- 13 kW nominal electrical output
- 165 kWh storage capacity for electrical output
- Supply of heat at 55-65° C, 130-150° F
- No degradation in storage capacity over time
- Scalable and cost competitive at 0.1 to 100 MW, with a focus on installations of 0.1 to 20 MW



CHARGED

Charged with electricity from renewable sources such as solar PV.



STORED

Energy is stored as heat in a recycled aluminium alloy, with phase change at 600° C, 1110° F.



DISPATCHED

The stored heat is dispatched to a Stirling engine on demand, generating electricity and usable heat (55-65° C, 130-150° F).



AVAILABLE ON DEMAND

Clean power available on demand at all hours of the day. Emission free and at a significantly lower cost than Li-ion batteries and fossil alternatives.

TES.POD system installation

Our solution is agnostic to technologies, energy sources, and geographies. It is scalable and competitive from 0.1 up to 100 MW, which allows us to meet customer demands in a variety of sectors, from small to large-scale.



TES.POD CLUSTER **X 20 UNITS** 260 kW nominal electrical output with 3.3 MWh storage capacity + Supply of heat at 55-65° C, 130-150° F



TES.POD CLUSTER **X 80 UNITS** >1 MW nominal electrical output with 13.2 MWh storage capacity + Supply of heat at 55-65° C, 130-150° F

ENVIRONMENTAL IMPACT (CO2e)

-29%

Azelio vs. Li-ion

-96%

Azelio vs. diesel genset

Azelio's TES.POD vs. lithium-ion batteries and diesel generators. Delivering electrical power for 13 hours every day, for 25 years. Life Cycle Analysis by RISE Institute, 2020.

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