



The Azelio TES.POD is a long-duration energy storage system, designed for supply of affordable, renewable electricity and heat at all hours of the day. The storage suffers no degradation in capacity over time and generates zero emissions.

Li-ion batteries have other characteristics and are mostly cost efficient for short duration storage of up to four hours. The TES.POD can be utilized in a hybrid system together with renewable energy technologies as well as batteries to provide a combined service of fast response and long-duration storage.

TES.POD®

Lithium-ion batteries

OUTPUT

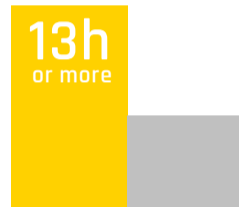


Supplies both electricity and heat



Batteries only supply electricity

ON DEMAND



COST*

LCOE PER MWH



93€ per MWH

Even lower cost when combining electricity and heat



135€ per MWH

EMISSION**



29% cleaner than the best li-ion batteries

MATERIAL

CONSIDERING BOTH ENVIRONMENTAL AND SOCIAL IMPACTS



Recycled aluminium



Lithium and most often Cobalt

LIFETIME



0% degradation and unlimited cycles



Up to 5% degradation/year - implies replacement

SIZING

100%

Always 100% depth of discharge

~80%

Limited due to minimum and maximum state of charge limits.

DURABILITY



Performs in harsh environments



Might require extra measures to operate safely

*The calculations are based on an Azelio system 130 MWh + 60 MW PV, Li BESS 130 MWh + 32 MW PV.

**According to a life-cycle analysis by RISE Institute. Based on 4 TES.POD® units from Azelio and li-ion battery storage each operates for 13 hours a day for 25 years.