

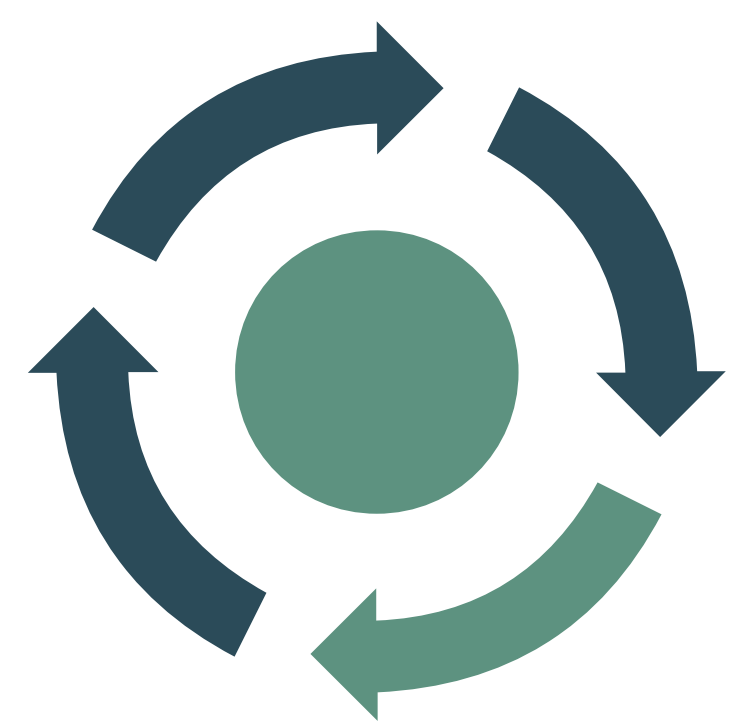
# REVOLUTIONARY ENERGY STORAGE CYCLE WITH CARBON FREE ALUMINIUM



## CONCEPT

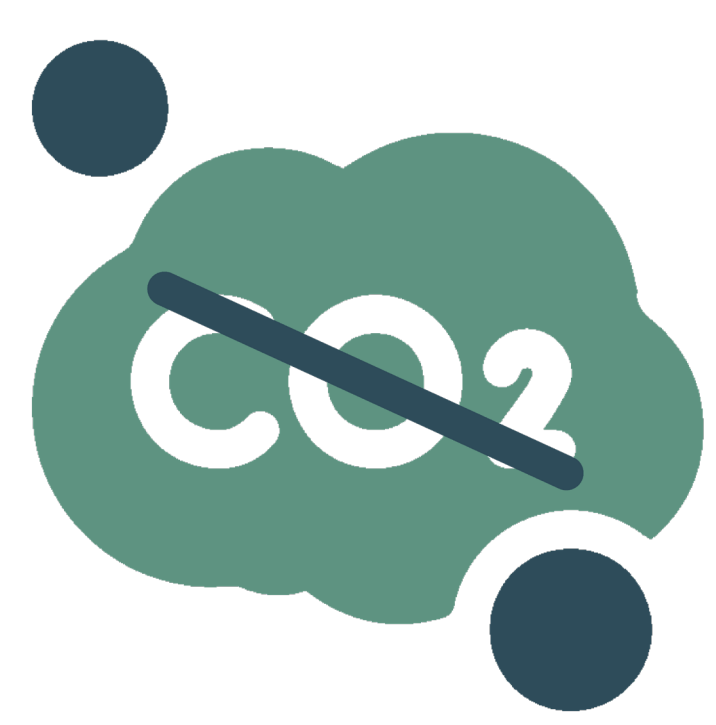
REVEAL project develops a new technical solution for storing large amounts of energy with an energy storage density of more than 15 MWh/m<sup>3</sup> at low cost for the production of heat and electricity in winter.

## GOALS



### Seasonal energy storage cycle

development of breakthrough components and solutions that are needed for an Al electrochemical energy storage cycle



### Power-to-Al (Storage charging)

based on renewable electricity without emissions of greenhouse gases from the Al smelter (Power-to-Al) process



### Al-to-Energy (Storage discharging)

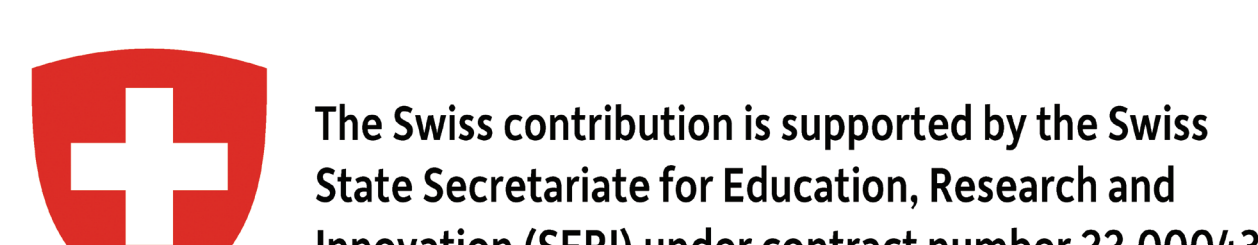
emission free Al-to- Energy



### Life cycle and economic analysis

for better economic and environmental performance

## PARTNERS



[www.reveal-storage.eu](http://www.reveal-storage.eu)

