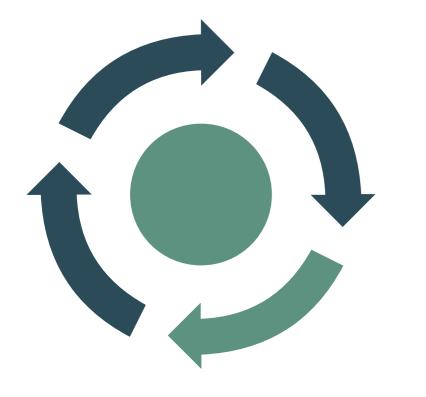
REVOLUTIONARY ENERGY STORAGE CYCLF WITH CARBON FREE ALUMINIUM



CONCEPT

REVEAL project develops a new technical solution for storing large amounts of energy with an energy storage density of more than 15 MWh/m³ at low cost for the production of heat and electricity in winter.





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 AI smelter (Power-to-AI) process



Al-to-Energy (Storage discharging) emission free Al-to- Energy



Life cycle and economic analysisfor better economic and environmental performance













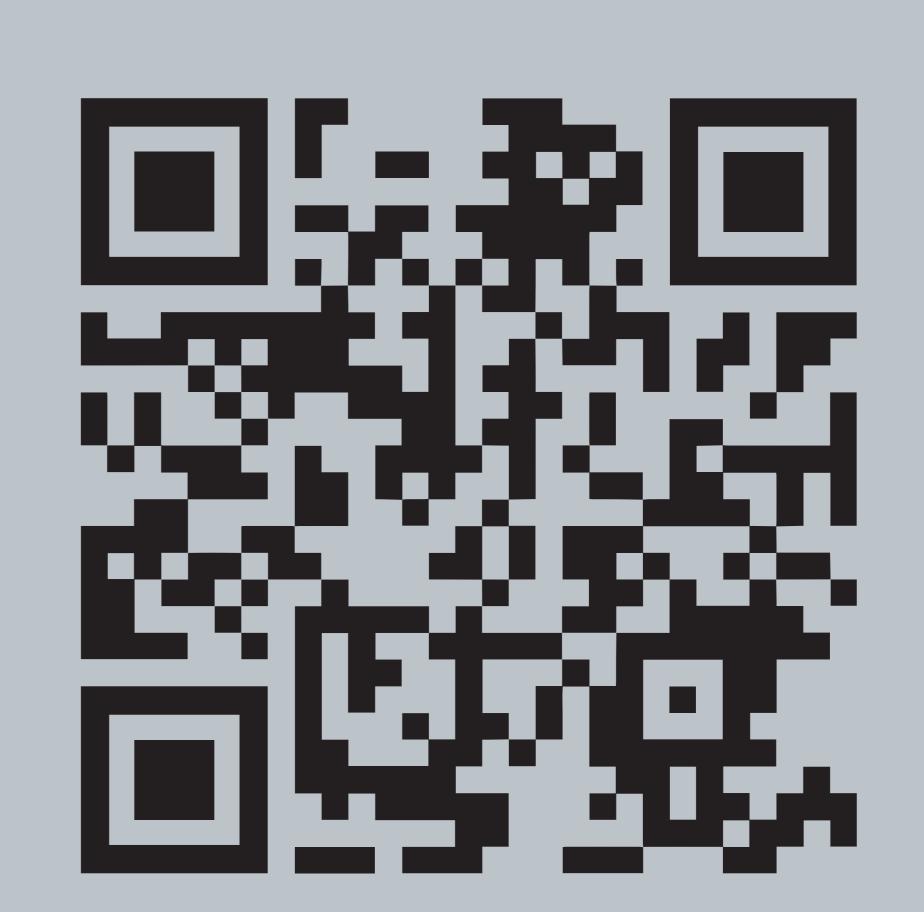


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