

# Long Duration Energy Storage

## High Density Hydro



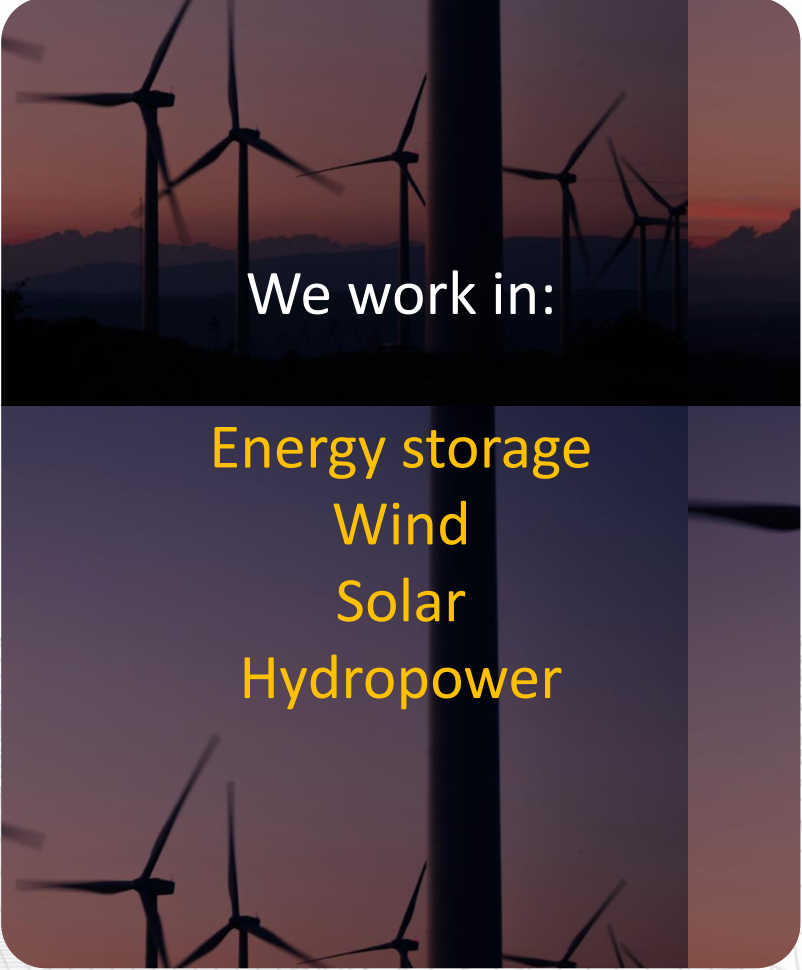


We scale **innovation**  
and **technology** for  
SDGs.



Disruptive innovations are  
**usually left in the lab.**

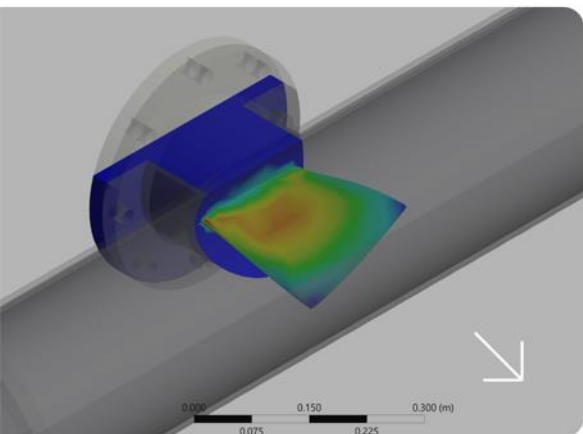
We support research via  
**innovation management**  
& **fundraising.**



We work in:

**Energy storage**  
**Wind**  
**Solar**  
**Hydropower**





## Hidden Hydro Oscillating Power

Commercialising hydropower harvester research powering IoT sensors for water network monitoring.



## Pan-European Network on Hydropower

Promoting a European network to facilitate research on sustainable Hydropower.



## BioUltra Lightweight Transport System

Assessing feasibility of a refuelling solution for rail vehicles operating on renewable gaseous fuels.

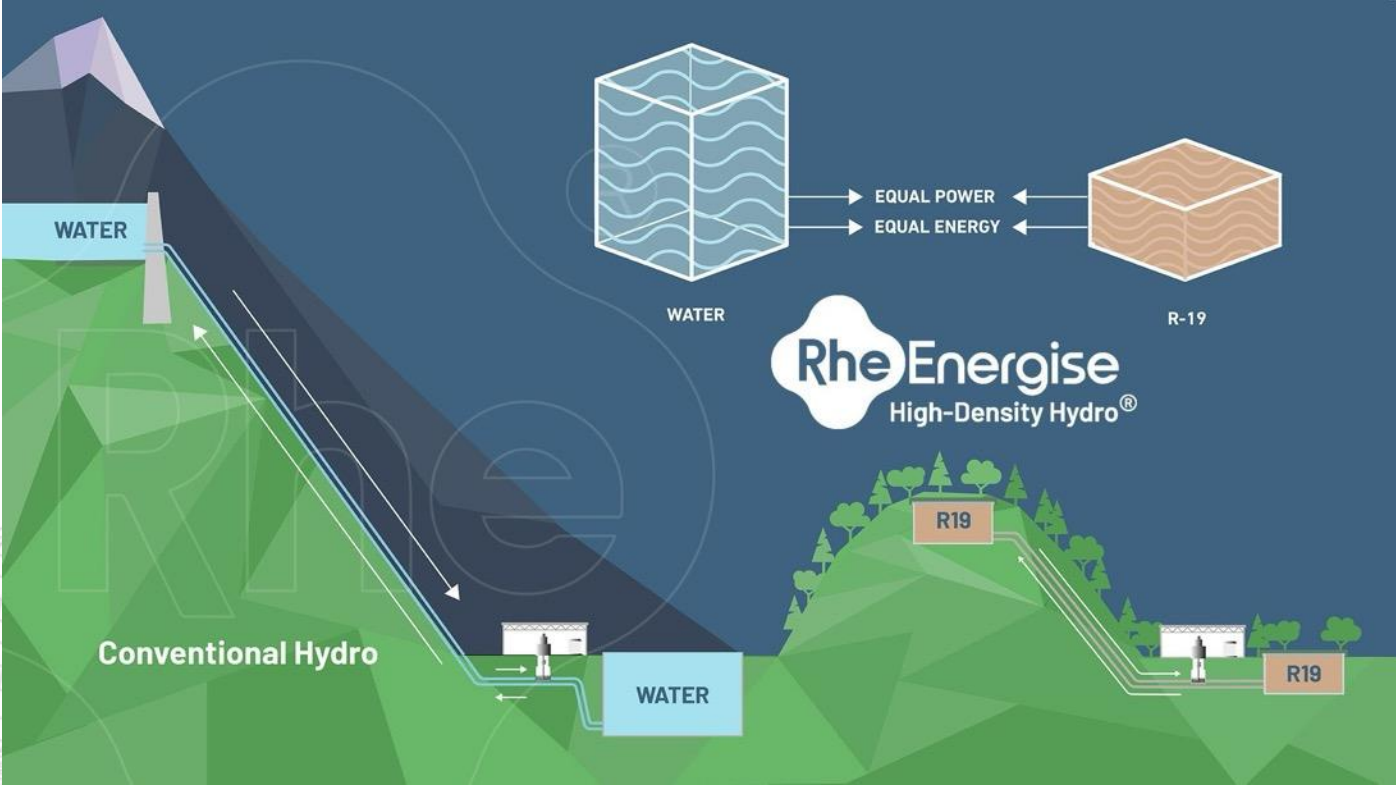
3K+ Experts  
Network of consultants

20+ Projects  
Europe, Asia and Africa

6+ Sectors  
Sustainability & Innovation

### Our partners

# Pump hydro storage – High Density Hydro







UK Demo site,  
500kW and 80m  
of head, 1 hour  
of duration

Off-the-shelf  
centrifugal pump  
at the  
demonstration  
site

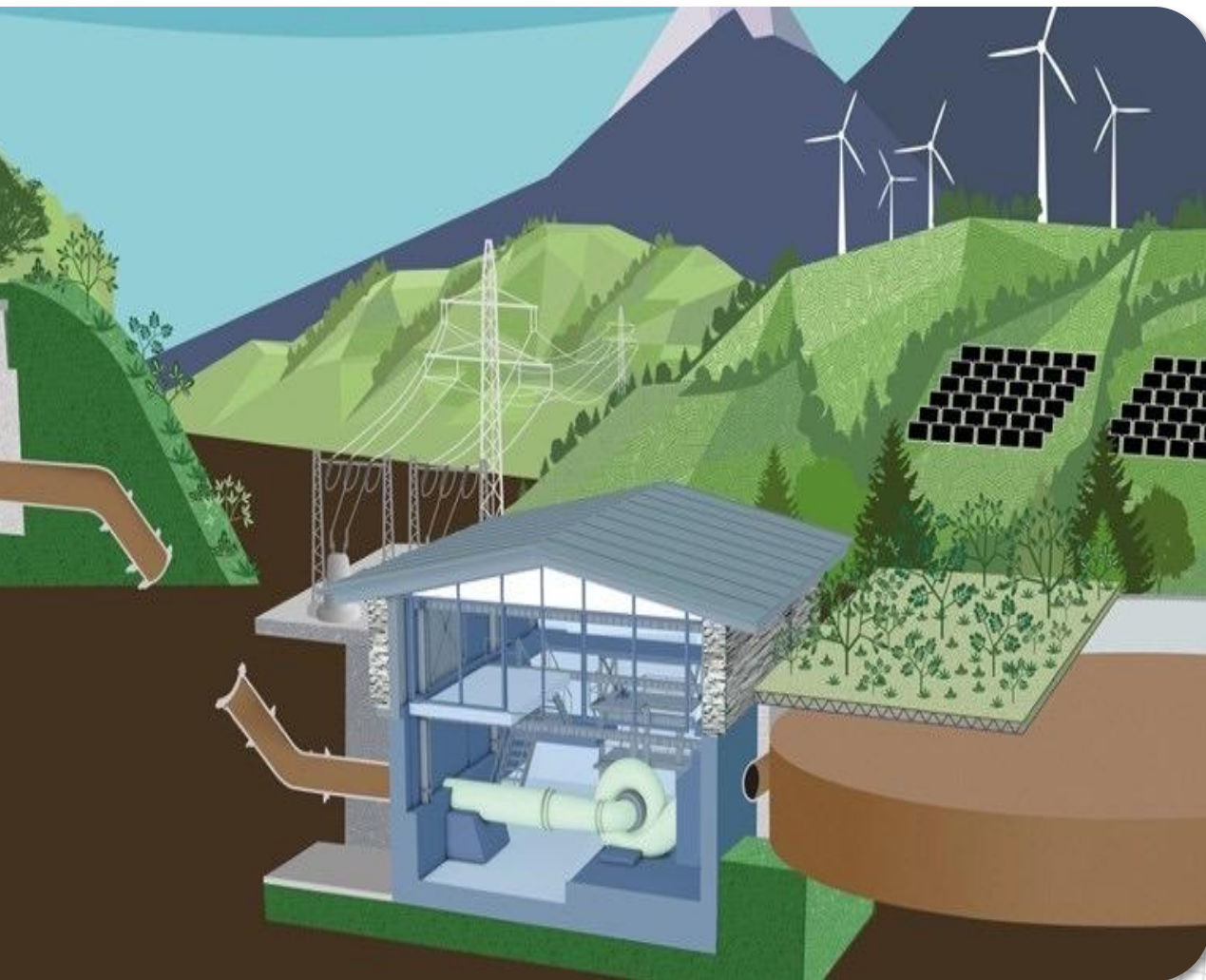
R&D to design a  
pump that is  
optimized for our  
fluid

R&D into raw  
materials & RES  
integration

# Project Cooperation:

1. A mineral supply chain project for HD Hydro in Europe, including mining and mine waste.
2. Integration of RES and energy storage, including pilot
3. R&D into new pump designs for high density fluids





# Thank You

Steven Frigerio

Partner

