

# Leading Modern Energy

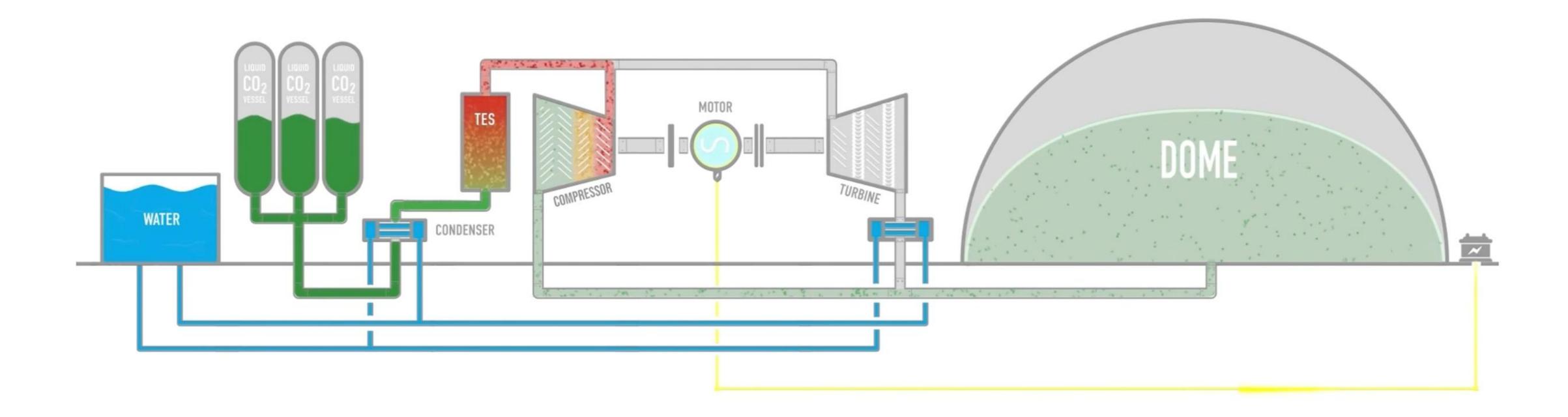
Entering the deployment era of long-duration energy storage

# Introducing: the CO2 Battery

The only viable alternative for long-duration energy storage

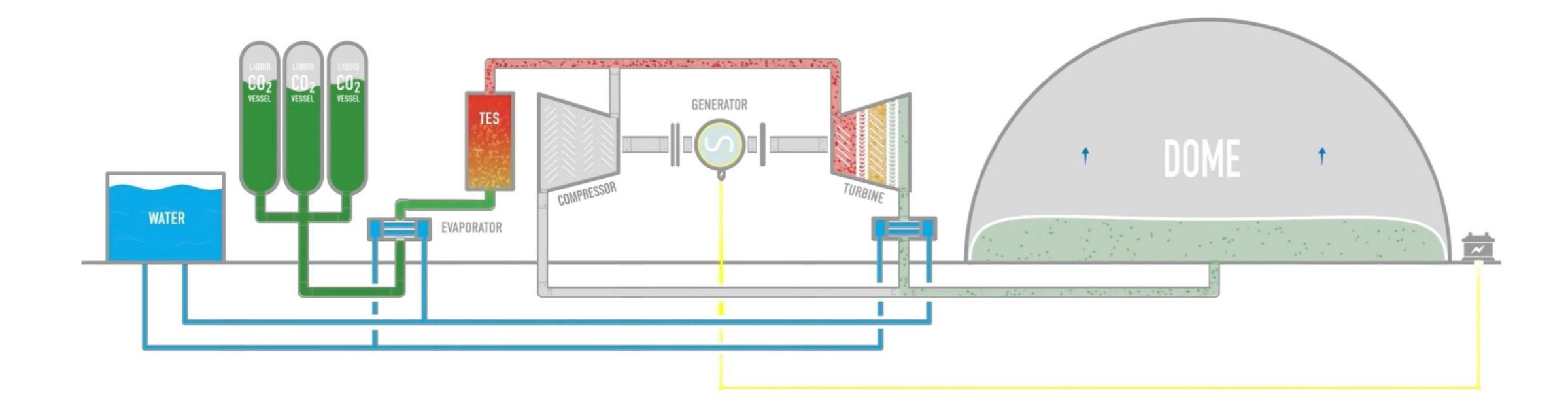


# How it works - Charge



The CO2 is withdrawn from an atmospheric gasholder, the dome, and compressed into an inter-refrigerated compressor driven by a motor. The heat generated from the compression is stored in a thermal energy storage system, whereas the CO2 is liquefied and stored in vessels under pressure at ambient temperature with zero atmospheric emissions.

# How it works - Discharge



In discharge mode, the CO2 is heated, evaporated and sent into an expander before flowing back into the dome. In doing so, the expander drives the generator to feed carbon-neutral electricity to the grid.

# Off-the-Shelf Components

All equipment is off-the-shelf, well-known and reliable as

it's been used in the Oil & Gas industry for a long time.

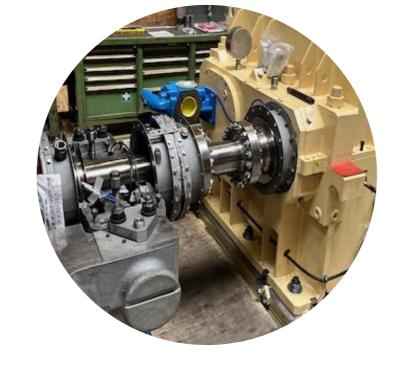
**DOME** 



**COMPRESSOR** 



LIQUID CO2 VESSELS



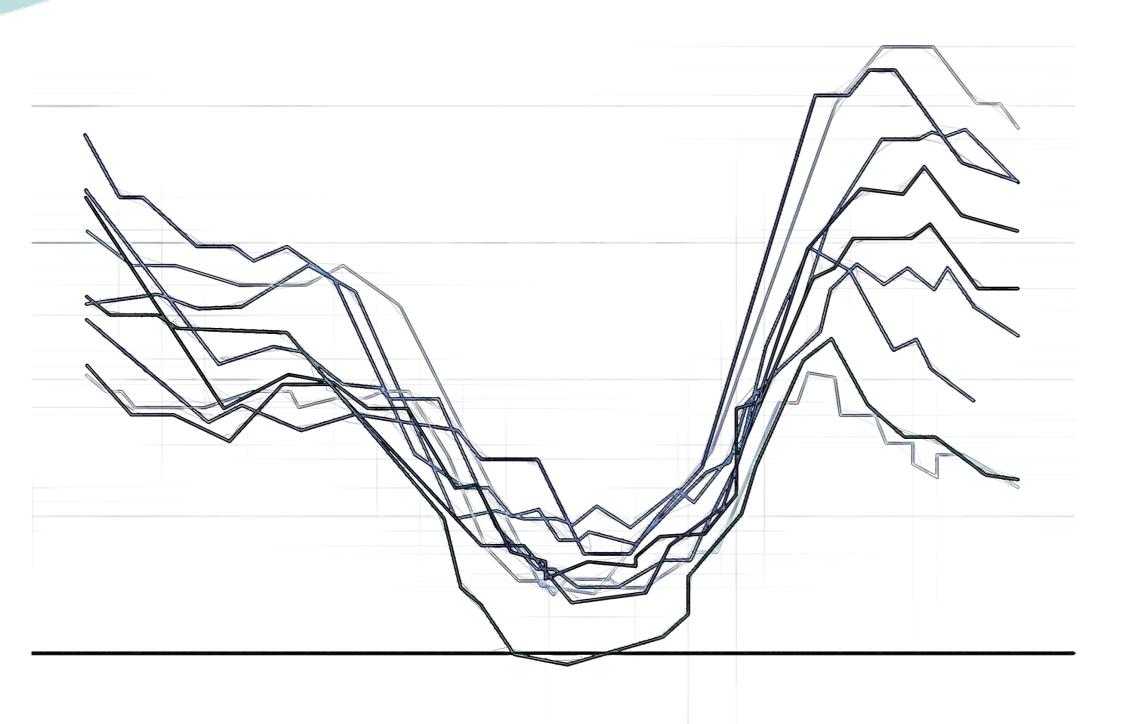
**TURBINE** 



Our global supply chain shows the resilience and safety of the CO2 Battery.







# ENERGY STORAGE AS A SERVICE (BOO)

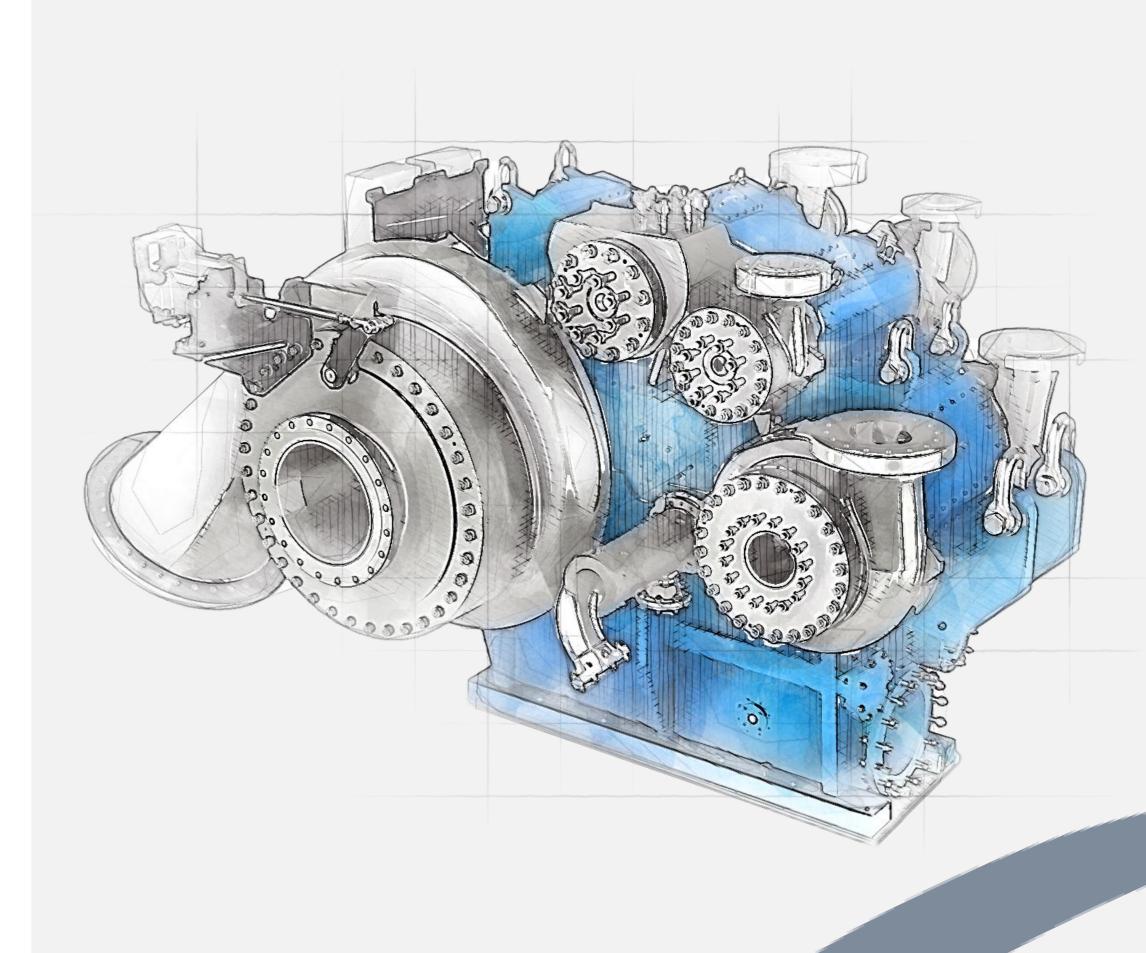
You buy only the storage capacity you need, and we'll take care of the rest.

- No CAPEX required
- Cost-effective, fixed and predictable payment schedule
- We manage and service the plant while ensuring it always delivers the capacity you need
- Decarbonize the world with no headaches or surprises while we take care of everything else

## BUY YOUR OWN PLANT (OEM)

For those who want full ownership and control, we supply you with a CO2 Battery.

- Full control
- Performance guarantees
- Managed by your team
- Highly profitable investment
- Long-term service agreements
- From signing off to operational plant within 18 months





# CO2 BATTERY DEMO



# FIRST FULL-SCALE CO2 BATTERY



Our WORLD can't wait.

# OEM - COLUMBIA ENERGY STORAGE PROJECT



### OEM - NTPC ORDERS FIRST CO2 BATTERY

Standard CO2 Battery 20MW / 160MWh. Location: Kudgi, Karnataka, INDIA



### B00 - Undisclosed

Standard CO2 Battery 2 x 20MW / 200MWh COD in Q1 2028. Location: Ireland

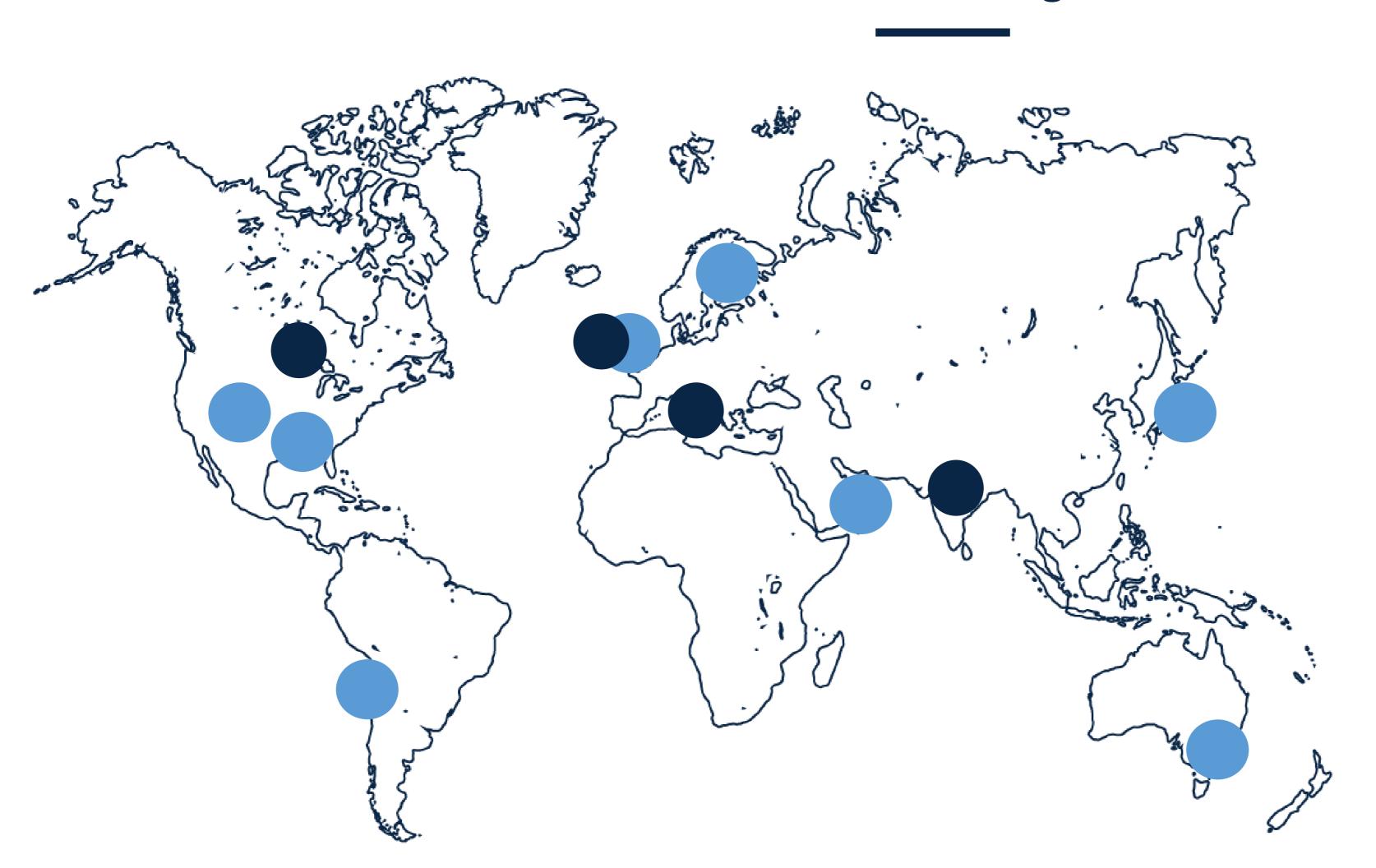


# B00 - Undisclosed



#### Commercial Pipeline Overview

The world is taking notice



**3GWh** of projects permitted

**10GWh** of Pipeline under development

