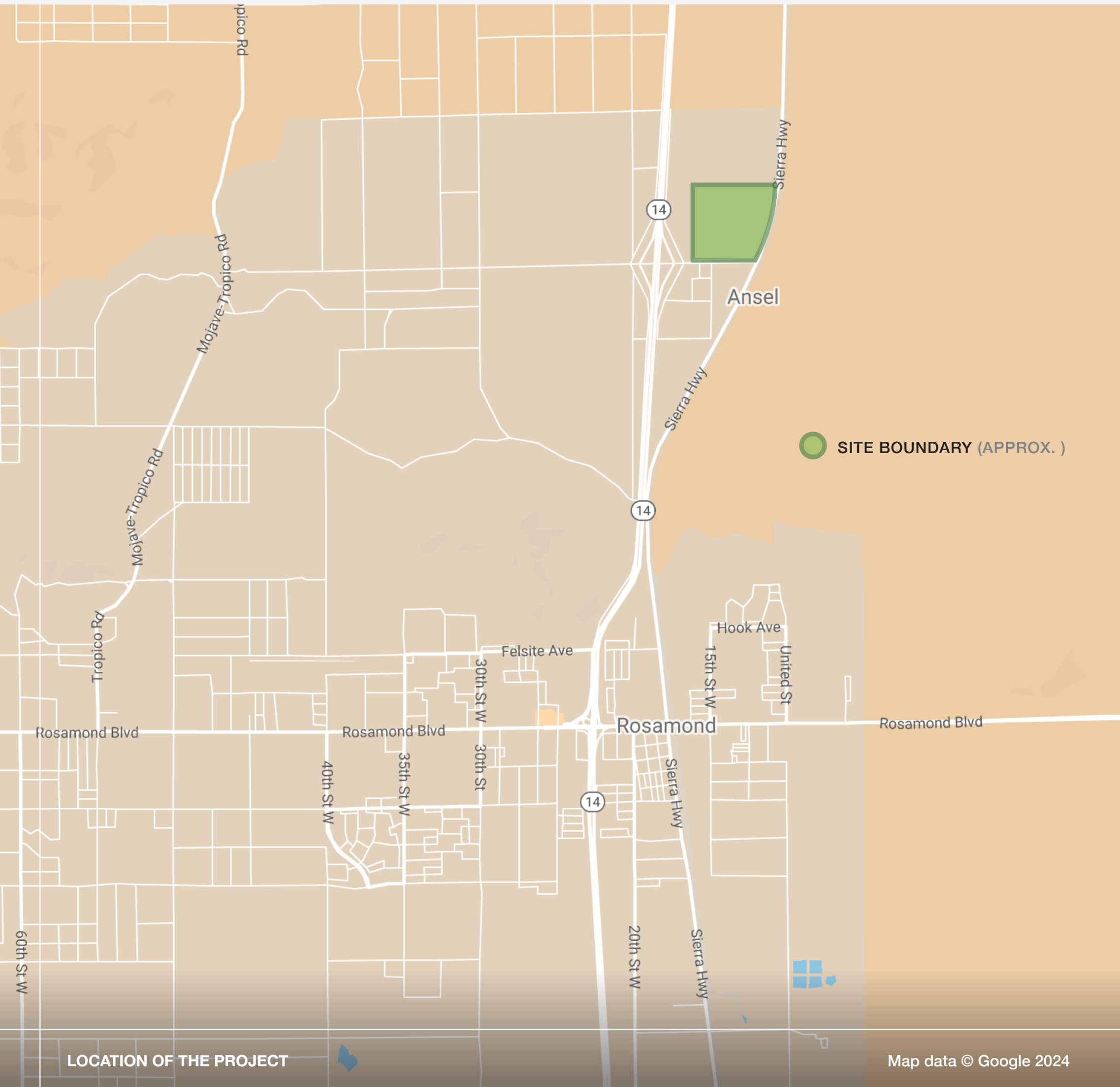
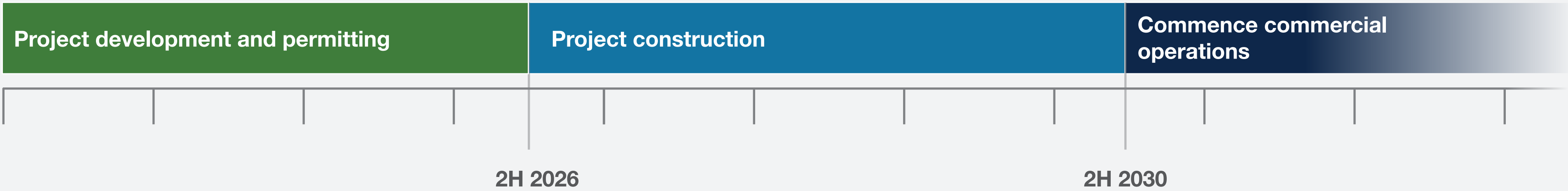


# Project Details

|                                                                                                   |                                                                      |                                            |
|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------|
| <b>Project Name</b><br>Willow Rock Energy Storage Center                                          | <b>Service Life</b><br>50+ years                                     | <b>Location</b><br>Kern County, California |
| <b>Nameplate Capacity</b><br>500 MW/4,000+ MWh, enough to power half a million homes for 8+ hours | <b>Technology</b><br>Advanced Compressed Air Energy Storage (A-CAES) | <b>Estimated Operating Start</b><br>2030   |

The preferred schedule that has been proposed by Hydrostor:

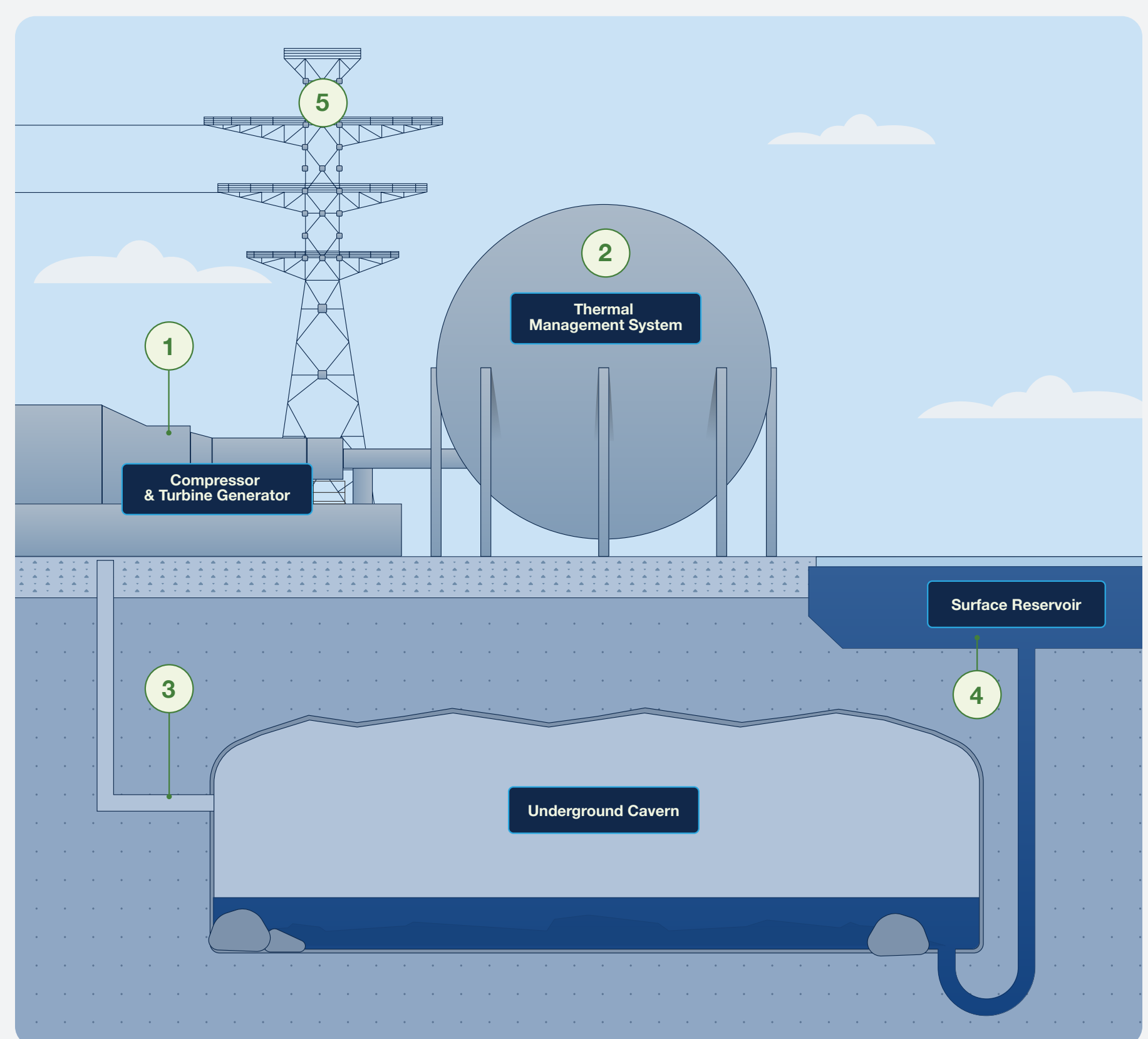


# Our Technology

We are a clean technology company dedicated to developing long duration energy storage infrastructure. Our technology operates on a compact footprint with flexible siting to deliver utility-scale renewable energy storage capacity of eight hours or more.

## The Closed Loop A-CAES Process

- 1 **Compression**  
Energy powers an air compressor, generating heat in the process.
- 2 **Heat exchange**  
Heat is extracted from the compression process and captured by a thermal management system for reuse.
- 3 **Air storage**  
Compressed air is pumped down and stored in a purpose-built, water-filled cavern.
- 4 **Water displacement**  
Compressed air displaces water, forcing it up the shaft to the surface reservoir.
- 5 **Discharge**  
When energy is needed, the process is reversed to generate electricity.



## Our Advanced-Stage Project in Australia:



**SILVER CITY**  
ENERGY STORAGE

200MW, 8-hour (1,600 MWh) energy storage capacity. A precedent setting project that is providing critical reliability services to the grid.

## Learn More About Our Technology – Watch The Video:



[hydrostor.ca/technology](https://hydrostor.ca/technology)

# Project Highlights

Located in East Kern County, California, the Willow Rock Energy Storage Center will be able to store up to 8 hours or 500 MW of energy to ensure the reliability of California's grid. Hydrostor's advanced compressed air energy storage (A-CAES) technology is built on a compact footprint, using air, rock, and water, an existing labor market, and readily available, proven technology.



## Economic Impacts

The Willow Rock Energy Storage Center will bring over \$500 million in indirect and direct investments to Kern County, along with over 700 jobs during construction.

Once the facility is complete it will employ 40 people full-time for the 50 years it will be operational. Most of these jobs can be filled by oil and gas workers, who already have the skill-set needed to operate an A-CAES facility.

The project will contribute more than \$18 million per year to Kern County in property taxes, in addition to sales tax.



# Plot Plan & Site Map

