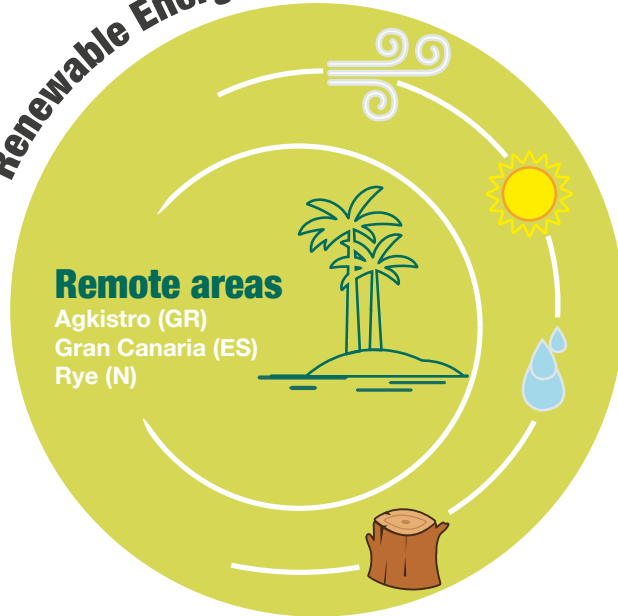
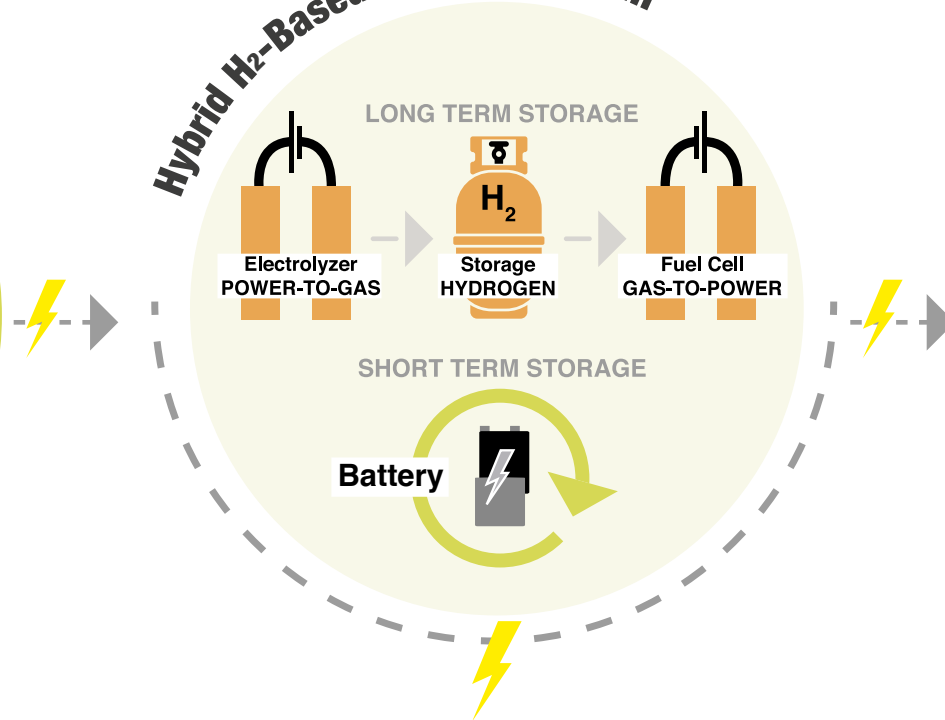


## Renewable Energy Sources



## Hybrid H<sub>2</sub>-Based Storage System



## End Users

**Isolated areas supplied by off-grid/micro-grid system**

### TECHNOLOGY

An innovative H<sub>2</sub>-Based power system is used to store energy from RES avoiding the use of fossil fuels.

### OBJECTIVE

Demonstrate 3 hydrogen-based P2P energy storage systems located across 3 different countries (Spain, Greece, Norway) and different types of remote areas (from the Atlantic Ocean to the north of Europe).

### DEMONSTRATION SITES

3 DEMOs fed by renewable electricity will be installed in isolated micro-grids or off-grid remote areas.

### ADVANTAGES

- Efficient, reliable, and clean solution able to generate power integrated with the existing RES system.
- Near-zero requirement for fossil fuel (diesel generators) and expensive power lines to the grid.

The project coordinated by Politecnico di Torino (IT) has the following partners. Ballard Power Systems Europe (DK), Hydrogenics Europe (BE), Powidian (FR), Orizwn (GR), Tronderenergi (N), SINTEF (N), Engie EPS (IT), CERTH - Ethniko Kentro Erevnas Kai Technologikis Anaptyxis (GR), Inycom (ES), Instituto Tecnológico de Canarias (ES), Grupo Capisa (ES).

