



PROJECT AT A GLANCE

Officially launched in January 2021, HypSTER stands for **Hydrogen Pilot Storage for large Ecosystem Replication**. This is the first EU supported project for green hydrogen underground storage in **salt caverns**.

Considered as an essential part in the **development of the hydrogen sector in Europe**, this demonstrator is fully in line with **industry's decarbonisation trajectory**.

AIMS

Project Timeline
2021 - 2024

- 2021** Engineering
- 2022** Construction
- 2023** Start of hydrogen production and cycling tests
- 2024** Continuing of cycling tests and project finalization

- Assessment of the economic feasibility
- Risks & environmental impacts measurements
- Definition of guidelines for regulation & normative adaptation in Europe
- Study of the technico-economical replicability in Europe

The demonstration facility **will be located between Lyon and Geneva, in Etrez, France**. It will use renewable energy to supply a 1 MW PEM electrolyser.

- 15.5** M€ total budget
- 5** M€ funded by the Clean Hydrogen Partnership
- 140** tons of hydrogen produced yearly



DURING THE PILOT PHASE, 3 TONS OF HYDROGEN WILL BE INJECTED FOR CYCLING TESTS. EVENTUALLY, 44 TONS WILL BE STORED IN THE CAVITY EZ 53.

In partnership with Storengy, Armines, École Polytechnique, Axelera, Brouard Consulting, ERM, Equinor, ESK Gmbh, Ineris, and INEOS Inovyn, this project is part of a dynamic region with growing green hydrogen uses.