



## 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

2021 - 2023  
Project Timeline

- 2021** Engineering
- 2022** Construction
- 2023** Start of hydrogen production and cycling tests

- 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.

- 13** M€ total budget
- 5** M€ funded by the FCH2 JU
- 140** tons of hydrogen produced yearly



**IN PILOT PHASE, HypSTER WILL STORE 3 TONS OF HYDROGEN AND PERFORM LARGE NUMBER OF PRESSURE CYCLING TESTS.**

**THE STORAGE COULD CONTAIN UNTIL 44 TONS IN THE FUTURE.**

In partnership with Storengy, Armines-Ecole Polytechnique, Axelera, Element Energy, ESK GmbH, Ineris, and INOVYN, this project is part of a dynamic region with growing green hydrogen uses.



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