



1 MW Conversion Pilot

Sharing our experience



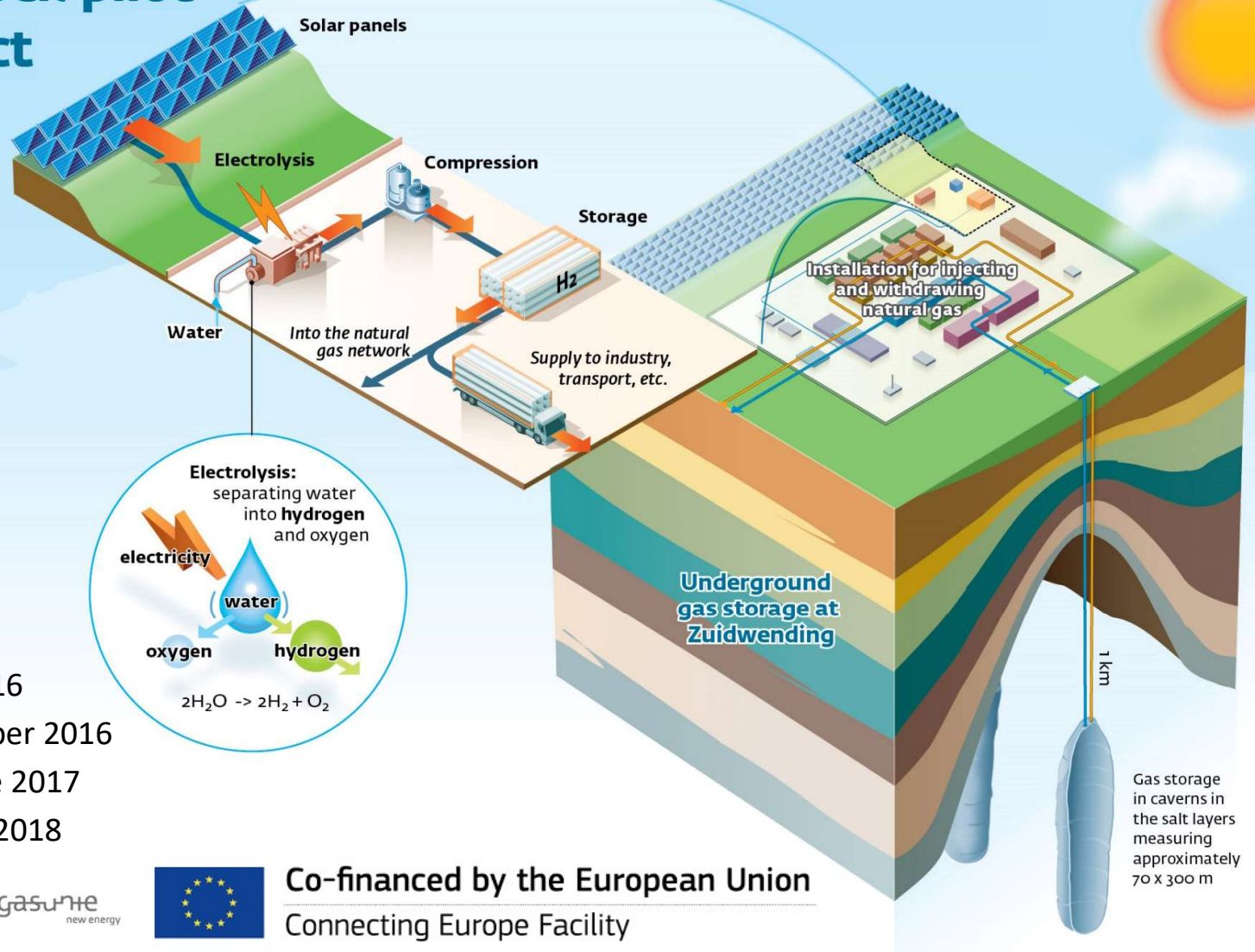
Co-financed by the European Union
Connecting Europe Facility



Sharing our experience

- HyStock pilot project overview
- Stimulating other projects
- Project / Technical
- Operations and Maintenance
- Spin-offs
- Large scale hydrogen storage

HyStock pilot project



- Idea generated September 2016
- EC subsidy application December 2016
- Final Investment Decision June 2017
- Plant in operation September 2018

energystock gasunie
fast cycle gas storage new energy



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June 2019: a royal opening



- Stimulating green hydrogen projects
- Binding customers & entering contracts
- Many domestic and foreign visitors





Project / Technical

Tendering process: from global design to detailed specs for all parts of the installation.

Learning about the design, building and operating of the new facility.

Optimizing the installation.

Understanding and implementing the electricity landscape.

Building our network with partners specialized at working with hydrogen and hydrogen equipment.



Operations and Maintenance

We gained insights in:

- Quality aspects of hydrogen;
- Efficiency of hydrogen conversion;
- Asset management / reliability;
- Maintenance / spare parts;
- Tube trailer distribution model.

Experience with hydrogen gained by and through our technicians.

We learned how to work with hydrogen and gain more insights in the differences and similarities between natural gas and hydrogen.



Hydrogen boiler
operational since May
2021



Slow-fill operational
since August 2020

Reducing our footprint

This summer:

Testing hydrogen
storage equipment

The HyStock pilot
project accelerates
our ambition for
large scale hydrogen
storage and
transport!





Thank you for your attention!

