



MARKET SEGMENTS

Industry

Off Grid
Residential Building
Green Mobility

A

BOOTH NO.

A30 HySiLabs · France

Product: The Alternative Hydrogen Supply

Liquid hydrogen carrier

THE NEED. In the course of reducing emissions to comply with the goals fixed by the European Union, hydrogen is foreseen to be a key player in a future low-carbon economy, especially in the industry and mobility sectors. Nevertheless, the existing barriers on storage, delivery and safety have to be overcome beforehand.

THE SOLUTION. HySiLabs' breakthrough innovation has the potential to remove all those barriers hindering the deployment of hydrogen solutions by tackling safety, regulations and supply chain issues. HySiLabs' high degree of novelty is characterised by the fact that hydrogen can be easily transported in liquid form, HydroSil can be carried everywhere without any specific restrictions and stored for long periods of time, just like conventional fuel. Furthermore, due to its high density, one truck load of HydroSil transports seven times more hydrogen than by high pressure transportation, which reduces the OPEX for transportation and the emissions related to hydrogen transportation.

KEY FEATURES.

- Liquid H2 carrier
- Non-explosive.
- Non-toxic.
- On-demand production.
- On-site production.
- Stable.

VALUE PROPOSITION.

- Hydrogen on demand.
- Power to liquid.
- Safe transportation and storage.
- Simple transportation logistics.

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References available on request

✓ **COMMERCIALISED**