

Hydrogen Storage, Transport and Production – Project SaltHy in Harsefeld (DE)

Project SaltHy (Storage Alignment with Load and Transport of Hydrogen): Industrial-scale flagship project to scale-up a green hydrogen economy in northern Germany

- **Storage in H₂ salt cavern** for flexibility to balance production and consumption fluctuations
- **H₂ transport via pipeline** to offtaker clusters in from industry and mobility via 100%-H₂ **distribution network** in Hamburg
- Usage of **fatal** and **green** H₂ (regionally produced or **imported**)
- Trailer truck and cargo train transport to bridge/complement pipeline deployment
- Potential development of a **100 MW electrolyser** at the storage site

Phase 1:
2023 – 2027

- Transport **via trailer & train**
- **Above ground** storage
- Utilization of **byproduct hydrogen**

Phase 2:
2027 – 2030

- Transport via train & **pipeline**
- **Above & underground** storage
- Utilization of byproduct hydrogen

Phase 3:
2030 – 2035

- Transport via train & pipeline
- Above & underground storage
- Utilization of byproduct, **imported** and **onsite generated** hydrogen

