



GEOSTOCK GREEN STORAGE

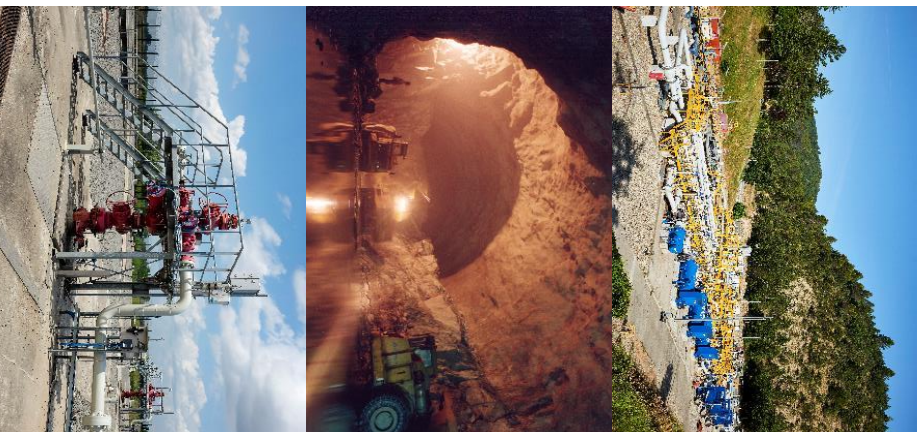


Geostock presentation

DII PARTNERS MEETING – DUBAI FEBRUARY 2021

Didier WESOLY – 03/02/2021

Underground Storage Excellence



 An **international Group**

 A **key player** for **Underground Storage** of
Liquid, Liquefied and Gaseous Hydrocarbons

 **Consulting, Engineering,
Construction management
Operation & Maintenance**

 **All Underground Storage Techniques**

Our Shareholders



10%



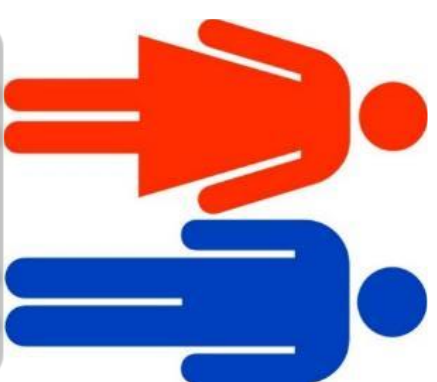
Main Figures

Group consolidated
turnover

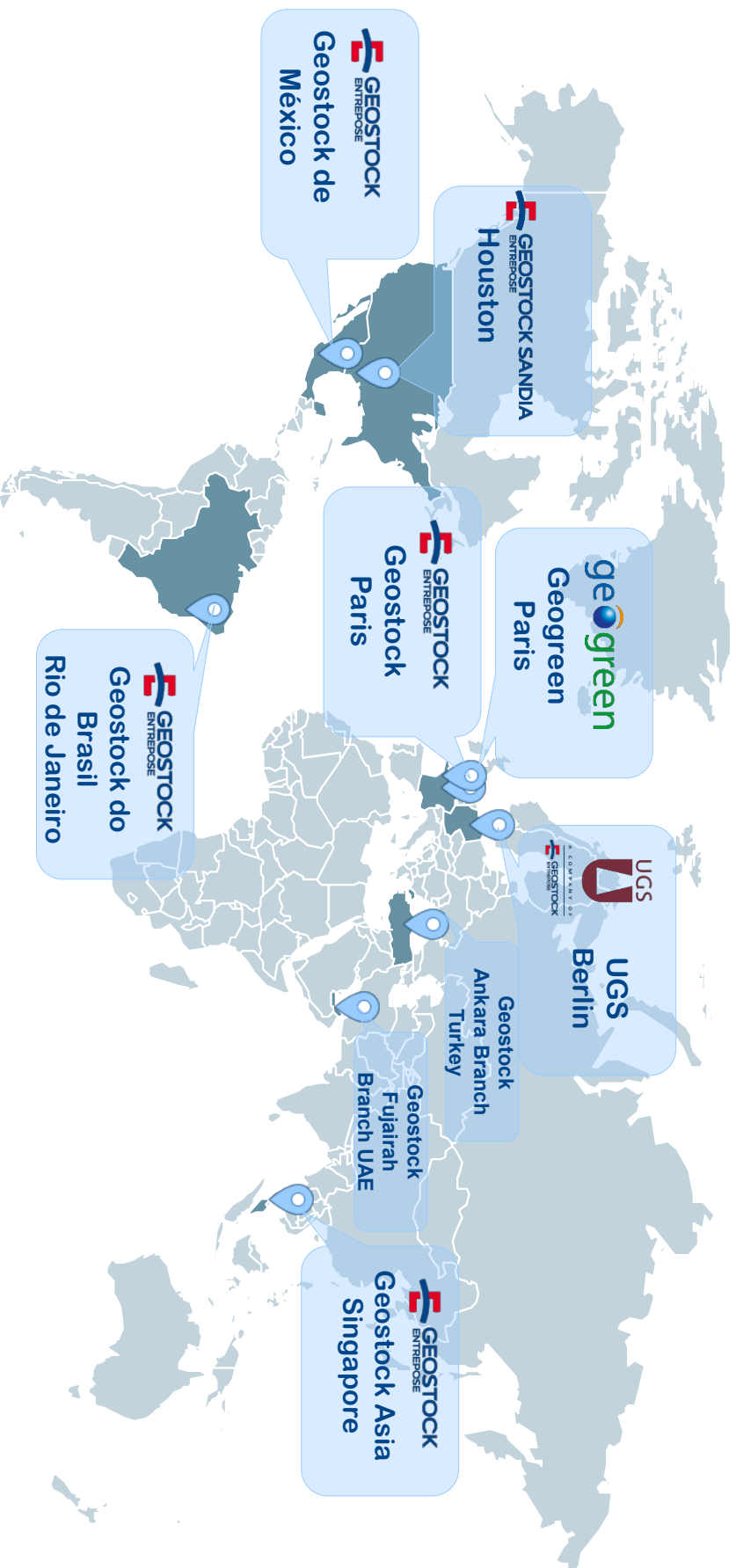
83 M€

Headcount

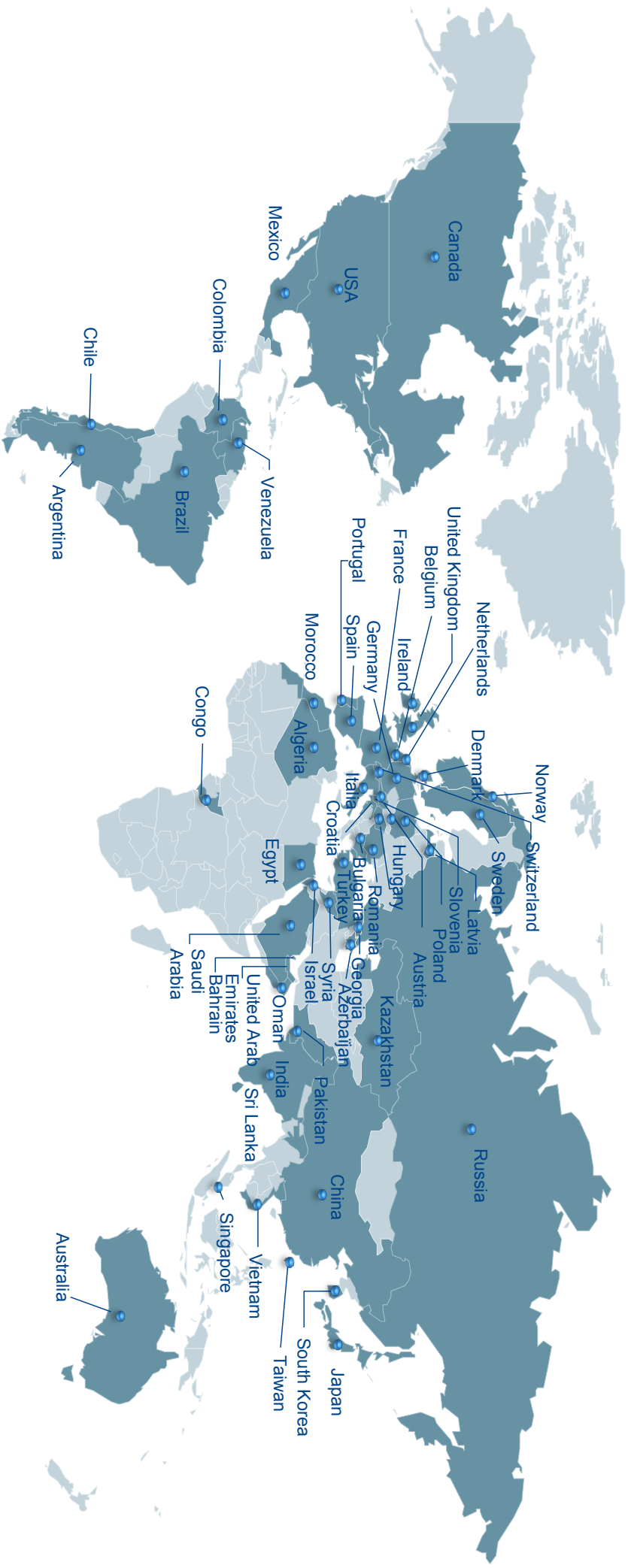
500



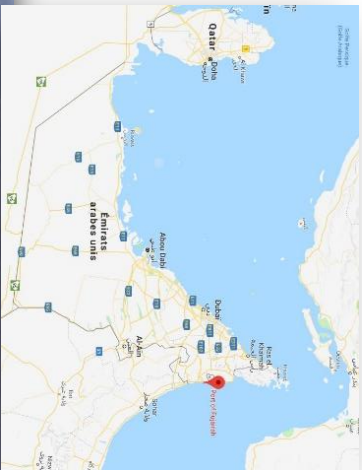
International Scope



Projects in over 50 countries



Main Ongoing project in Middle East



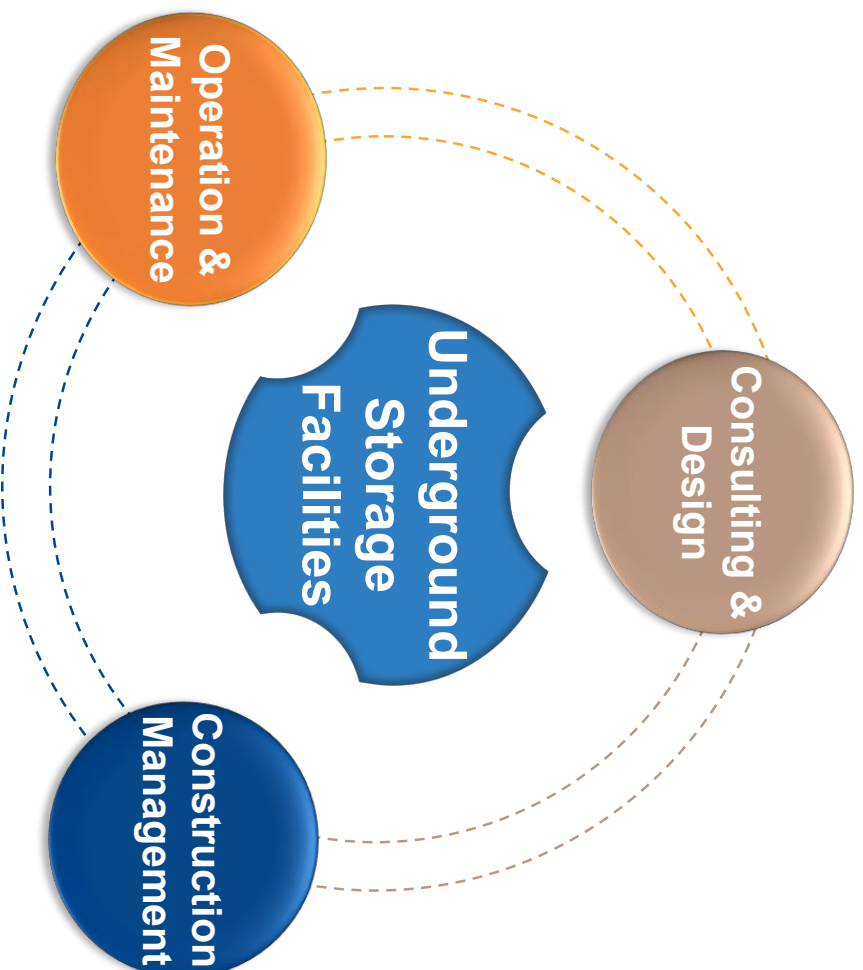
Mined Rock Caverns
42 Million Barrel (6,7 Million m³) Crude Oil

Main features

- Rock type: Gabbro
- Start of Construction: 2018
- Target for Commissioning: 2022

Our scope of work

- Prefeasibility Study
- Site investigation (Program, Supervision and Interpretation) and Front-End Engineering Design
- Project Management Consultancy (Assistance to Owner for Tendering for EPC, Detailed Engineering and Procurement, Construction and Commissioning)



Hydrocarbons

- Liquid (Crude Oil & refined products)
- Liquefied (LPG & LNG)

Others

- CO₂
- Compressed Air
- Hydrogen
- Others

Underground Techniques

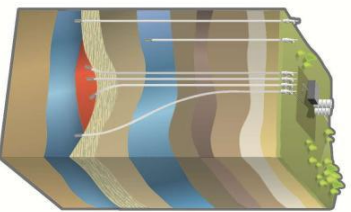
Salt caverns

- Natural Gas
- Liquid Hydrocarbons
- Liquefied Hydrocarbons
- Compressed Air
- **Hydrogen**
- Effluents



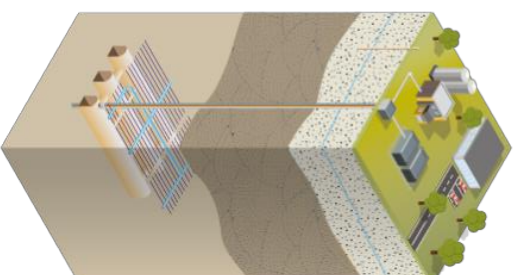
Depleted fields & aquifers

- Natural Gas
- Compressed Air
- CO₂
- **Hydrogen** (with Natural Gas)
- Effluents



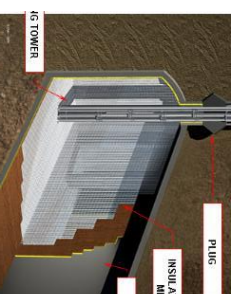
Mined rock caverns (unlined)

- Liquid Hydrocarbons
- Liquefied Hydrocarbons
- Natural gas (not frequent)






Mined rock caverns (lined)

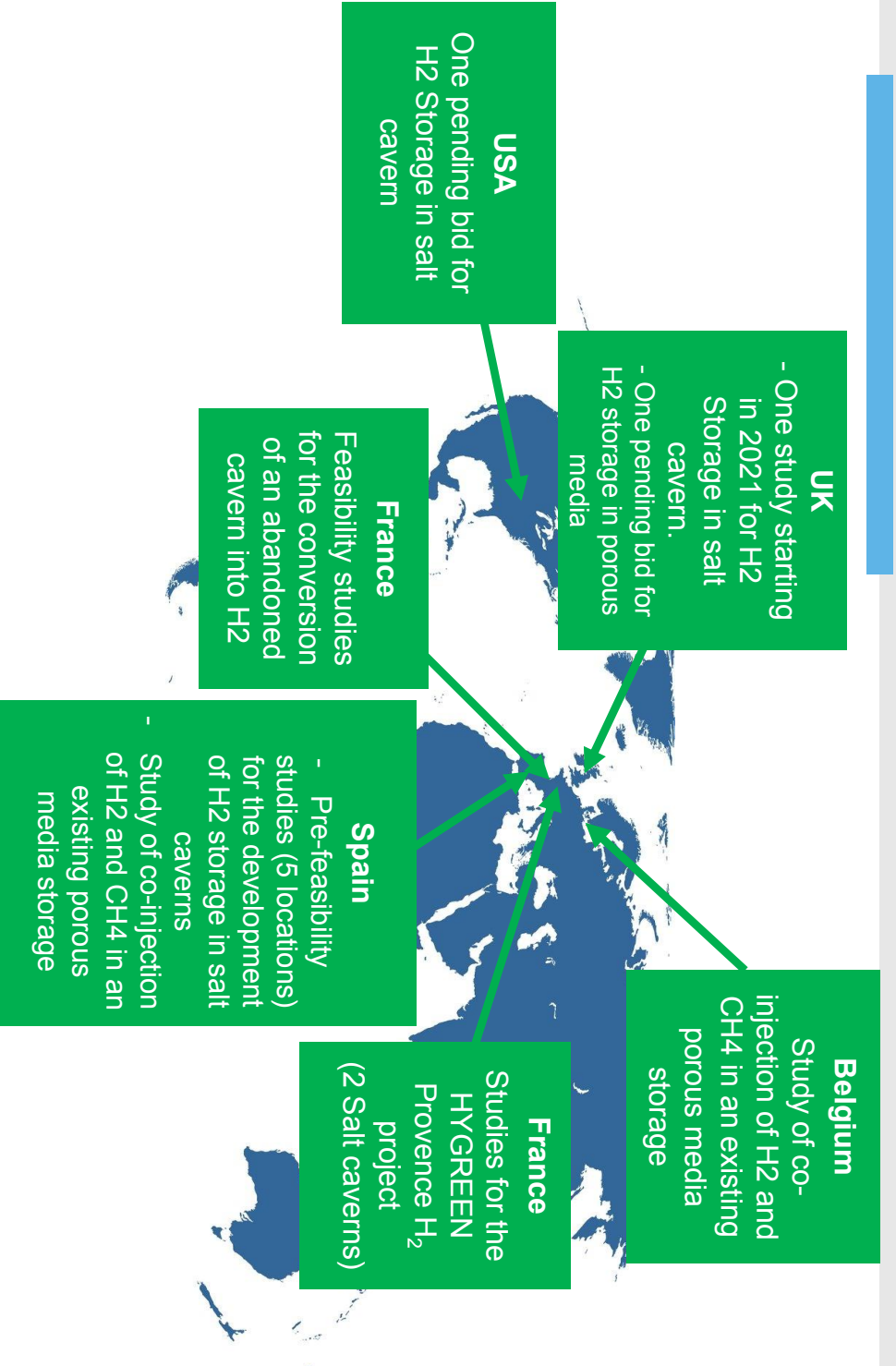
- LNG (Liquefied Natural Gas)
- CNG (Compressed Natural Gas)
- (**Hydrogen**, CO₂)



Carbon Free Underground Energy Storage

	Salt Leached Cavern	Porous Media	Mined Cavern	Lined Mined Cavern
Hydrogen	 			
Compressed Air	 			
Pumped Hydro Storage				
Redox Flow Batterie				
Heat		 		

Geostock expériences in H2 underground storage



Public Funded Collaborative Projects

European Commission

HYSTORIES (2021-2022)

Led by Geostock, includes 7 partners. Gathers a dozen of European Gas storage operators in its Advisory Board

French R&D funding

- ROSTOCK H
- BLOCKFALL
- STOPIL H2
- FLUIDSTORY

Work with:





GEOSTOCK GREEN STORAGE

Thanks for your attention

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