



LOHC Bridge: Linking North Africa's Green Hydrogen to Europe

PROJECT FACTS

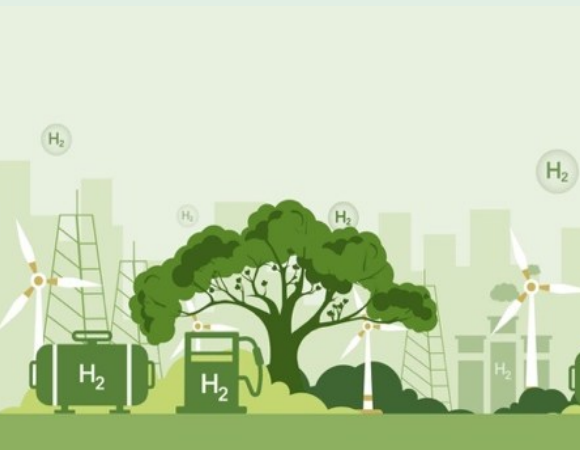
Duration: October/2025 – September/2026

Country: Egypt and Morocco

Partners: IRESEN (Morocco) and Suez Canal Economic Zone (Egypt)

Outputs:

- **Location project evaluation** and LOHC plant concept design
- **Techno-Economic analysis** of LOHC export value chain based and its carbon footprint
- **Requirements catalogue** on regulatory framework for EU hydrogen imports via LOHC supply chains from MENA
- **Result dissemination** by project report and workshops via H2Uppp



PROJECT OVERVIEW

LOHC Bridge is a joint pre-feasibility project by Hydrogenious LOHC and GIZ under H2Uppp and the Suez Canal Economic Zone in Egypt. It assesses the feasibility and role of Liquid Organic Hydrogen Carriers (LOHC) to export green hydrogen from Morocco and Egypt to Europe. The scope covers site identification and evaluation in both countries, design of LOHC storage plant as an export blueprint, assessment of shipping routes and European import infrastructure, including alignment with current and future EU regulations and the comparison with alternative hydrogen carriers such as ammonia. To ensure local expertise and data reflection and integration a close involvement of local partners through workshops, data alignment and stakeholder networking is also core part of the project implementation.

EXPECTED OUTCOMES

The project delivers a concise, evidence-based blueprint for LOHC hydrogen corridors from North Africa to Europe, addressing technical, economic and regulatory aspects.

- Ranking of production, storage and export locations in Morocco and Egypt
- Reference LOHC Storage Plant design and full supply chain cost assessment of liquid H2 carriers versus alternatives, such as Ammonia
- Regulatory gap analysis and EU compatibility pathways
- Concluding options to integrate with existing port and liquid bulk infrastructure
- Paving the way towards subsequent feasibility studies, Financial Investment Decision and capacity-building needs

ABOUT H2UPPP

H2Uppp paves the way for companies to develop the global green hydrogen market through project identification, project development, support and trade.

Published by:

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Dag-Hammarskjöld-Weg 1-5, 65760 Eschborn, Germany on behalf of the German Federal Ministry for Economic Affairs and Energy.

GIZ is responsible for the content of this publication.

The International Hydrogen Ramp-up Programme is supporting entrepreneurial engagement in the ramp-up of hydrogen in the Global South and is a programme of the:

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As at: March 2026

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