

AMMONEX

Start	2025
Subsidy	€ 4,381,400
Private contribution	€ 10,676,922
Project Coordinator	Sebastiaan de Fuijk
Expected results	2028

Project partners



Description of the project:

Duiker Clean Technologies is building an industrial-scale pilot plant to validate its ammonia cracking reactor (ACR), which converts imported low-carbon ammonia into hydrogen. The technology offers a scalable solution for long-distance hydrogen transport using existing ammonia infrastructure in the Port of Rotterdam. The pilot will provide performance and reliability data to support commercial deployment of ammonia in hydrogen supply chains and industrial decarbonisation.

Impact:

Acceleration	☑
Scaling up	☑
Reducing costs	☑
Innovative ecosystem	
New talents	☑

- **Acceleration:** Unlocks ammonia as a near-term carrier for industrial hydrogen use.
- **Scaling up:** De-risks a modular, scalable technology ready for ports, starting in Rotterdam.
- **Reducing costs:** Targets lower hydrogen production costs through energy-efficient cracking.
- **Talent:** Builds technical expertise in hydrogen conversion technologies in coordination with the Just Transition Fund.

