FACTSHEET AMMONEX

AMMONEX

Start : 2025
Financing : subsidies RVO & JTF and private contribution
Finish : 2027
Contact : sales@duiker.com

Subsidy Partners:

Netherlands Enterprise Agency (RVO) - Demonstration Energy and Climate Innovation (DEI+) scheme
European Union's Just Transition Fund (JTF)

PROJECT

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 without CO_2 emissions. 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.

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AMMOnia
Cracking
Reactor for
NEXt
Generation
Efficiency &

20260204 Signing ceremony for securing site AMMONEX

IMPACT

- 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

For a meaningful **IMPACT** on both people and planet

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Duiker CLEAN TECHNOLOGIES

GOALS

- ✓ Validate performance, materials, thermal efficiency and reliability of Duiker's cracking technology

MLESTONES

- ✓ Duiker has taken FID on building & testing an industrial ammonia cracking demo plant.
- ✓ Site secured at Plant One in Rotterdam
- ✓ Engineering & 3D plant model finished

SCHEDULE

- ✓ Engineering and fabrication equipment & plant has been scheduled to start in 2026
- ✓ Start-up and testing has been scheduled for start & finish in 2027.

Subsidized by:

RVO

Co-funded by the European Union

JTF Just Transition Fund

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