

Project SOON

Start	2024
Subsidy	€ 525,000
Private contribution	€ 525,000
Project Coordinator	Ruud Swarts
Expected results	2025

Project partners

OCI Methanol Europe

Description of the project:
OCI Nitrogen is conducting a feasibility study that explores the decoupling of its steam methane reformer (SMR) from the ammonia synthesis unit to enable the use of sustainable hydrogen. This environmental and technical study results in a detailed plant design, impact assessment, and techno-economic model. The project supports OCI's long-term goal of carbon-neutral ammonia production by replacing fossil-based hydrogen.

Impact:

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

- **Acceleration:** Provides a study for fossil-free ammonia production using renewable hydrogen.
- **Scaling up:** Intended to retrofit existing plant, offering a scalable decarbonization model.
- **Reducing costs:** Supports a business case by mapping cost and performance impacts.

