



Ammonia gets out and about Innovation in decentralised green ammonia production and its use WORKSHOP

**Thursday 27 March 2025
9:00 – 15:45 (CET)**

**Danish Technological Institute (DTI)
Gregersensvej 1, 2630 Taastrup, Denmark**

This workshop will showcase innovative technologies developed by EU and Northeast Germany-funded research projects for producing decentralised green ammonia and for utilising it for hydrogen storage, alternative fuel or energy generation technologies among others. It will discuss the challenges faced for their commercial implementation and will benefit from valuable input from industry. A guided visit of a demonstration prototype of decentralised ammonia production from renewable energy is also part of the workshop.

Organised by





PROGRAMME

09:00 **Registration & Coffee**

09:30 **Welcoming speech**

Dr. Juan Farré, President and CEO, Danish Technological Institute (DTI)

Dr. Mikkel Agerbaek, Executive Vice President Materials, Danish Technological Institute (DTI)

09:40 **Introduction to the workshop**

Dr. Christoffer Mølleskov Pedersen, Team Manager, Danish Technological Institute (DTI)

Yamina Guidoum, Senior Project Manager & Workshop chair, LOMARTOV S.L

09:50 **Keynote speech**

Dr. Andrea Guati Rojo, Head of Stakeholder Relations & Public Affairs, Ammonia Energy Association (AEA)

10:10 **The technological innovations and their results I**

(In alphabetical order)

Dr. Angela Kruth, HiPowAR project: Highly efficient power production by green ammonia total oxidation

Dr. Christoffer Mølleskov Pedersen, DARE2X project: Decentralised ammonia production from renewable energy utilising novel sorption-enhanced plasma-catalytic Power-to-X technology

Prof. Fausto Gallucci, AMBHER project: Hydrogen storage in the form of ammonia

Dr. Jens Wartmann, CAMPFIRE consortium, Northeast Germany: Seasonal and decentralised production of ammonia from locally generated renewable energy and its utilisation as innovative energy carrier in zero-emission maritime mobility and stationary energy supply

Dr. Kristian Kjær Torbensen, AELECTRA project: a new concept for mid- to long-term storage of electrical energy in green liquid ammonia

Dr. Michail Tsampas, ORACLE project: green ammonia as alternative renewable fuel

Dr. Rasmus Faurskov Cordtz, AFLOAT project: Ammonia fuelled combustion for marine applications

Dr. Vincenzo Liso (*online*), HySTrAm project: Hydrogen storage and transport using ammonia

11:10 **Coffee & poster viewing**

11:40 **The technological innovations and their results II**

(Continuation from Part I)

12:15 **Light lunch & poster viewing**

13:15 **Mutual learning & feedback session: challenges for commercial implementation of green ammonia innovative technologies**

What policy, technical, financial and social acceptance challenges are the innovations faced with?

What are the prospects for overcoming these challenges?

Dr. Andrea Guati Rojo, Head of Stakeholder Relations & Public Affairs, Ammonia Energy Association (AEA)

Dr. Josep Sanz Argent, Director of Energy Transition and Sustainability, Valencia Port Foundation, Spain

Dr. Jens Wartmann, CAMPFIRE consortium, Northeast Germany

With the interventions of the above mentioned projects

14:15 **Main learnings & scoring the graphic facilitator illustrations**

14:45 **Guided visit to DARE2X green ammonia production prototype**

Danish Technological Institute (DTI) facilities

15:45 **End of visit and workshop**

Participation to the event is free
Registration is compulsory
Places are limited
Online streaming options are available

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