

# LNG, Hydrogen and CCUS: Paving the way for a greener future

## *Network meeting 2024*

Market Opportunities and Pioneering Technologies  
Seminar | 3. December 2024

### *Objectives:*

This seminar will explore the current state of global and regional LNG, hybrid, and green energy markets, which have undergone significant changes in the past year. We will discuss emerging opportunities, particularly in distribution and small-scale solutions for maritime and energy production sectors. The increased demand for LNG in Europe, due to the Ukraine conflict, highlights the need for cleaner alternatives. Additionally, we will examine the role hydrogen can play in the future energy mix, along with the importance of Carbon Capture Utilization and Storage (CCUS) projects in reducing CO<sub>2</sub> emissions, and the involvement of Norwegian companies in these initiatives.



# Programme

Tuesday 3 December 2024

<b>Session 1</b> Global markets and trends	
09:00	<b>Registration and networking</b>
09:30	<b>Welcome and introduction</b> Martin Cartwright, Vice President, DNV
09:40	<b>NORWEP / International opportunities</b> Eirik Melaaen, Director LNG, Hydrogen & CCUS, NORWEP
09:50	<b>The International LNG market and supply to Europe</b> Iben Frimann-Dahl, Partner, Rystad Energy
10:10	<b>Transition to green marine fuels – market potential and demand</b> Jason Stefanatos, Global Decarbonization Director, DNV
10:30	<b>Transport of LNG, Ammonia, CO2</b> nn, Fearnleys
10:45	<b>Safety aspects,</b> Hans-Christian A. Wintervoll senioringeniør, DSB
11.00	<b>Green Shipping Program (Grønt Skipsfartsprogram) - TBA</b>
11.15	<b>ENOVA – funding scheme for maritime sector,</b> Elin Ulstad Stokland, Senior Advisor, ENOVA
11.25	<b>Ship finance / green finance, Update on sustainable financing,</b> Knut Ola Skotvedt, DNB
11:40	<b>Q&amp;A and panel Discussion</b>
12:00	<b>Lunch</b>



## Session 2

### Energy transition, Hydrogen and Ammonia

12:45	<b>Introduction</b> Egil Rensvik, Project Manager Energy Network Norway / NORWEP
12.50	<b>Ammonia, Transport solutions to Hydrogen terminals</b> Tore Lunde, Hoegh LNG
13.00	<b>HYDS experience from operational phase,</b> Frode Kirkedam, HYDS
13.10	<b>Production and infrastructure for Green Hydrogen,</b> Morten Watle, Green H
13.20	<b>Metal Hydride – safe, efficient compact storage of Hydrogen,</b> Henrik Steen Pedersen, CCO, GRZ Technologies
13.30	<b>The role of liquid hydrogen in shortsea shipping, Status and Experience from installations and the way forward.</b> Ivan Østvik, CEO, LH2 Shipping AS
13.40	<b>Helinor Energy creates compact, scalable net-zero energy modules powered by state-of-the-art hydrogen fuel cells.</b> Rune Knapstad, CEO HELINOR Energy
13.50	<b>Q&amp;A and panel Discussion</b>
14:10	<b>Break</b>



## Session 3

### Reduction of CO2 emissions, carbon capture and storage

Moderator: Mathias Sørhaug, DNV

14:25	<b>Introduction</b> Mathias Sørhaug, Business Development Director CO2 Shipping, DNV
14:30	<b>CO2 transport solutions,</b> Shinichiro Saigusa, K-Line
14:45	<b>CCUS projects in Porsgrunn,</b> Ragnhild Skagestad, Senior Research Scientist SINTEF Industry
14:55	<b>Powering the Offshore platforms with Blue Power.</b> Erling Ronglan, Ocean Power
15:05	<b>Handling of CO2 for utilisation and storage,</b> Per Abrahamsen, Solution Manager / Solution Development, Wärtsilä Gas Solutions
15:20	<b>Discussion and Q&amp;A session</b> Mathias Sørhaug, DNV
15:40	<b>Concluding remarks</b> Egil Rensvik, Project Manager Energy Network Norway/NORWEP
15:45	<b>End</b>



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