

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 CO₂ emissions, and the involvement of Norwegian companies in these initiatives.



Programme

Tuesday 3 December 2024

Session 1

Global markets and trends

Moderator: Egil Rensvik, NORWEP

09:00	Registration and networking
09:30	Welcome and introduction Martin Cartwright, Global Business Director, Gas Carriers, DNV
09:40	NORWEP / International opportunities Eirik Melaaen, Director LNG, Hydrogen & CCUS, NORWEP
09:50	The International LNG, Hydrogen and CCUS market. Iben Frimann-Dahl, Partner, Rystad Energy
10:10	Transition to green marine fuels – Maritime Forecast to 2050 Eirik Ovrum, Principal Consultant, DNV Environmental Technology
10:25	Transport of LNG, Ammonia, Hydrogen and CO2 Ina Bjørkum Arneson, Advisor LNG Shipping, Fearnleys Mia Willoch, LPG Shipping Analyst, Fearnleys
10:40	Challenges and requirement for LNG, Ammonia and Hydrogen projects Hans-Christian A. Wintervoll, Senioringeniør, DSB
10:50	Ship finance / green finance, Update on sustainable financing, Knut Ola Skotvedt, Senior Vice President, DNB
11:05	Q&A and panel Discussion Moderator: Martin Cartwright, DNV
	Markets and Norwegian industry Competitiveness, Norwegian industry involvement in European LNG projects <ul style="list-style-type: none">• Nils Jakob Hasle, Höegh Evi• Kristoffer Evju, EConnect Energy• Tor Skogan, Moss Maritime
11:40	Lunch



Session 2

Energy transition, Hydrogen and Ammonia

Moderator: Eirik Melaaen, NORWEP

12:30	Introduction Egil Rensvik, Project Manager Energy Network Norway / NORWEP
12.45	Floating Ammonia to Hydrogen import terminals Nils Jakob Hasle, EVP Clean Energy, Höegh Evi
12.55	Production and offtake of green Hydrogen Frode Kirkedam, CCO, Hydrogen Solutions (HYDS)
13.05	Infrastructure for Green Hydrogen, “Vestfjorden project” Morten Watle, CEO, Green H
13.15	Metal Hydride – safe, efficient compact storage of Hydrogen, Alexandre Damourette, Sales Engineer, GRZ Technologies
13.25	The role of liquid hydrogen in shortsea shipping, Status and Experience from installations and the way forward. Ivan Østvik, CEO, LH2 Shipping AS
13.35	Helinor Energy creates compact, scalable net-zero energy modules powered by state-of-the-art hydrogen fuel cells. Rune Knapstad, CEO HELINOR Energy
13:45	Advanced simulation from LNG to green energy systems John L. Sundt, Chief Sales Officer (CSO) in BPT
13.55	Q&A and panel Discussion Moderator: Eirik Melaaen, NORWEP From opportunities to implementation of projects. Moving slowly – and in the right direction? <ul style="list-style-type: none">• Ivan Østvik, CEO, LH2 Shipping AS• Morten Watle, Green H• Frode Kirkedam, HYDS• Alexandre Damourette, GRZ Technologies
14:15	Break



Session 3

Reduction of CO2 emissions, carbon capture and storage

Moderator: Mathias Sørhaug, DNV

14:30	Introduction Eirik Ovrum, Principal Consultant, DNV Environmental Technology
14:35	CO2 transport solutions, Shinichiro Saigusa, K-Line
14:50	On Board CO2 capture - EverLong project Ragnhild Skagestad, Senior Research Scientist SINTEF AS
15:00	Powering the Offshore platforms with Blue Power. Erling Ronglan, Ocean Power
15:10	Handling of CO2 for utilisation and storage, Per Abrahamsen, Solution Manager / Solution Development, Wärtsilä Gas Solutions
15:20	Discussion and Q&A session Moderator: Eirik Ovrum, Principal Consultant, DNV CO2 transport and handling <ul style="list-style-type: none">• Shinichiro Saigusa, K-Line• Ragnhild Skagestad, SINTEF AS• Erling Ronglan, Ocean Power• Per Abrahamsen, Wärtsilä Gas Solutions
15:40	Concluding remarks Egil Rensvik, Project Manager Energy Network Norway/NORWEP
15:45	End



Contact information:

Eirik Melaaen
Director LNG, Hydrogen, CCUS
+47 959 67 377
eirik.melaaen@norwep.com

Egil Rensvik
Project Manager
+47 92 03 10 05
egil.rensvik@norwep.com

Andrii Putko
Project Manager – Hydrocarbon & Emission Solutions
+47 46 25 73 33
andrii@norwep.com