ONS 2022

Technical sessions

Venues for Technical sessions:

HALL 1

New stage:

TECH STAGE

ONS Tech Stage
Powered by
TechnipFMC

MON 29 AUGUST

HALL 1

AFTERNOON SESSIONS

14:00–16:00
Meet the ONS Innovation Awards finalists
First floor; Uburen

TUE 30 AUGUST

HALL 1

MORNING SESSIONS

09:45–12:00
Digital green transition
First floor; Snønuten

10:15–12:15
Offshore emission reductions in the transition
Ground floor; M2

10:15–12:15
Green energy carriers
First floor; Snønuten

10:15–12:15
Digital solutions within drilling and well
First floor; Vårlivarden

10:00–12:00 TECH ST.

Innovative green-field solutions.

AFTERNOON SESSIONS

12:45–14:45
Innovative brownfield solutions
First floor; Uburen

13:00–15:00
Lower emissions from drilling and well
Ground floor; M2

13:00–15:00
Unlocking potential value with Subsea technology
First floor; Synesvarden

13:15–15:15
CO_2 technology for subsurface and drilling
First floor; Snønuten

13:15–15:15
Autonomus operations
First floor; Vårlivarden

WED 31 AUGUST

HALL 1

MORNING SESSIONS

09:45–11:45
Offshore emission reductions in the transition
First floor; Synesvarden

09:45–11:45
Innovative decommissioning
First floor; Uburen

10:15–12:15
Value from data sharing
First floor; Vindafjord

10:15–12:15
Well construction technology
First floor; Vårlivarden

10:00–12:00 TECH ST.

Subsea technology and Energy transition

AFTERNOON SESSIONS

12:45–14:45
Water management
First floor; Synesvarden

12:45–14:45
Maximize value of existing hubs/infrastructure
First floor; Uburen

13:15–15:15
Autonomus operations
First floor; Snønuten

13:15–15:15
Unlocking potential value with Subsea technology
First floor; Vårlivarden

15:15–16:15
Meet the NPD IOR winners
First floor; Uburen

THUR 1 SEPTEMBER

HALL 1

MORNING SESSIONS

10:00–12:00
Digital green transition
First floor; Snønuten

10:00–12:00
Offshore wind based on O&G
First floor; Uburen

10:00–12:00
Carbon capture and storage, solutions and support
Ground floor; Lysefjorden A

10:00–12:15
Developing renewable energy lies at the very core of the energy transition
Ground floor; Lysefjorden B

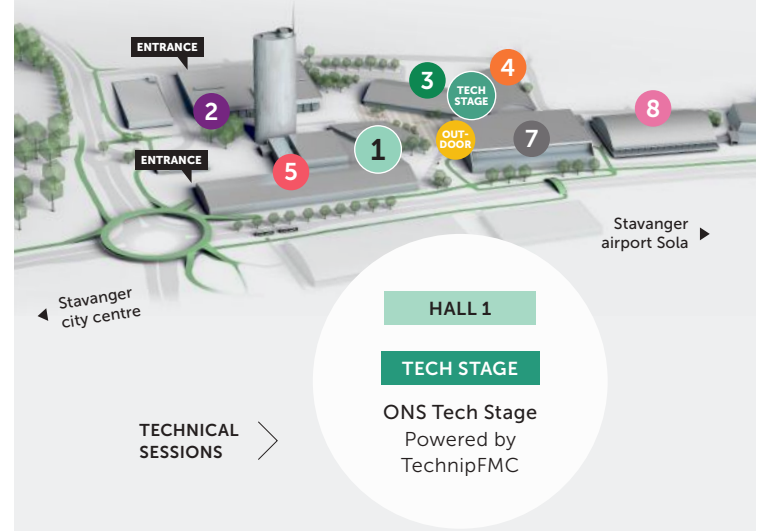
Changes to the programme may occur.

For full, up-to-date programme, check out the ONS 2022 app

ONS 2022

ons.no/agenda

ONS venues



About Technical Sessions

Where innovators and the tech heads tackle the energy challenges.

Welcome to the unique arena for technical insights and inspirational ideas where we aspire to find solutions to the unsolved problems of the energy industry.

MAIN PARTNER TECHNICAL SESSIONS

Baker Hughes™

SUPPORTER

quorum software

ANNE STRØMMEN LYCKE
CEO, NORSAR

RICKARD DALMAN
Operations Manager
Oceaneering AS

JEAN-DAVID CAPRACE
Professor, University
of Rio de Janeiro

MICHAEL MATTHEWS
SVP
Data Gumbo

JOANNA MAINGUY
Industry Director
Microsoft

PETER JENKINS
CEO
4Subsea AS

SOFIE BERGE
Senior Product Manager
Cognite AS

PER LUND
CEO
Odfjell Oceanwind AS

FRANCESCO FINOTTI
Research Manager
SINTEF AS

CATERINA GALLI
Project Engineering
Manager, Baker Hughes

MAXINE BELL
Innovative Services Sales
Manager, Baker Hughes

ASTRI J.S. KVASSNES
CTO
ReStone AS

KJETIL LIEBECH-LIEN
Product Manger, Autronica
Fire and Security AS

RICHARD LOCHEE-BAYNE
Alliance Project Manager
Schlumberger
Information Solutions

ANDREA SÆTRE
Electrical Engineer
A/S Norske Shell

Technical Sessions programme

ONS 2022
29 AUG – 1 SEPT
STAVANGER – NORWAY

Main Partner Technical Sessions Baker Hughes

Technical Sessions Programme:

1.1 Digital solutions within drilling and well:

This session will provide insight into the practical application of machine learning and artificial intelligence in drilling and wells. Everything from well performance to production.

Gjertrud Halset	R&D Manager	Vår Energi
Hans Magnus Bjørneli	Drilling Advisor and Gobal Account Manager D&W Equinor	Schlumberger Information Solutions
Sofie Berge	Senior Director of Product Management	Cognite
Jan Alvaer	Drilling Advisor	Schlumberger Well Construction
Knut Bjørkevoll	Senior Research Scientist	SINTEF
Rodica Mihai	Senior researcher	NORCE - Norwegian Research Centre
Lars-Jørgen Ruså Solvi	Value Stream Lead [Sr. Drilling Engineer]	Aker BP
Justo Matheus	Principal Engineer	Schlumberger Information Solutions

1.2 CO2 technology for subsurface and drilling:

From business model to technology within well construction and drilling for CO2 storage. The technology can also be used in traditional reservoirs.

Elisabeth Femsteinevik	Exploration Manager	DNO Norge
Per Øyvind Seljebotn	SVP Exploration and Reservoir Development	Aker BP
Morten Kristensen	Digital Integration Advisor	Schlumberger Information Solutions
Petter Lønning		Welltec Oilfield Services (Norway)
Astri J.S. Kvassnes	CTO	ReStone
Anne Strømmen Lycke	CEO	NORSAR
Tobben Tymons	Visual Analytics Director	EV
Kåre Langaas	Principal Advisor Reservoir Engineering, PhD	Aker BP

1.3 Well construction technology:

Technology developments within downhole and subsurface application.

Hans Magnus Bjørneli	Drilling Advisor and Gobal Account Manager D&W Equinor	Schlumberger Information Solutions
Per Øyvind Seljebotn	SVP Exploration and Reservoir Development	Aker BP
Jan Sæby	Production Technology Discipline Lead	A/S Norske Shell
Egil Thorstensen	Snr P&A Engineer	Aker BP
Tor Otto Lidal	Lead Subsea Engineer	Aker BP
Henning Hansen		Aarbakke Innovation
Magnus Hjelstuen	Research Manager	SINTEF
Stian Ø Jørgensen	VP D&W - Operations Intervention Alliance	Aker BP
Hans Andreas Øygarden	Senior Subsea Engineer	Aker BP
Richard Lochee-Bayne	Alliance Project Manager	Schlumberger
Casper Sejer Nørtoft	Rig Manager	Maersk Drilling
Karsten Husby		SINTEF

1.4 Maximize value of existing hubs/infrastructure:

Cooperation for a safe and sustainable development looking into the research, new technology, regulators and practical approach.

Elisabeth Femsteinevik	Exploration Manager	DNO Norge
Gjertrud Halset	R&D Manager	Vår Energi
Roy Davies	Vice President Exploration	Wintershall Dea Norge
Bas van der Woude	D&W Operations Manager	Wintershall Dea Norge
Alejandro Escalona	Prof. Head of Department of Energy Resources and Director of NCS2030	Universitetet i Stavanger, UiS
Linn Iren Vestly Bergh	Senior Advisor	Petroleum Safety Authority Norway PSA
Olav Skår	Safety Director	The International Association of Oil & Gas Producers (IOGP)
Jan Åge Greger	Board Member	neomare
Hilde Grønlien	VP Operations Drilling	Odfjell Drilling
Birgitte Ruud Kosberg	Project Manager – Integrated Well Construction	Schlumberger Information Solutions
Kristian S Teigen	Principal Engineer ICS and industrial cybersecurity	Petroleum Safety Authority Norway PSA

2.1 Subsea technology and Energy transition:

During this session you have the opportunity to experience industry perspectives of the value of subsea technology, and how the industry contributes to reduce the carbon footprint.

Kristin Moe Elgsaas	Technology Manager	Aker BP
Terje Meling	Senior Technology Engineer	Aker BP
Eric DEKEYZER	Deep Offshore Technology Transfer Manager	TotalEnergies
Robin Slater	First Chief Engineer	Aker Solutions
Jean-Benoit Laudet	R&D Deep Offshore Development Manager	TotalEnergies
Howard Benbow	Senior Manager Subsea	Aker Solutions
Trygve A. Kollberg	System Test Manager	TechnipFMC (Norway)
Rickard Dalman	Operations Manager	Oceaneering Asset Integrity
Alan Clark	Principal Engineer	Baker Hughes
Alexandre Orth	Head of Subsea Automation Systems	Bosch Rexroth
Herdis Lia	Technical System Engineer	TechnipFMC (Norway)
James Halmshaw	Lead Mechanical Engineer	Baker Hughes

2.2 Unlocking potential value with Subsea technology:

Get to know Subsea Technology and innovation trends for reduced cost, enhanced production and reduced greenhouse gas emissions for new and existing field developments.

Bjørnar Hermann	Business Development & Strategy Manager	TechnipFMC (Norway)
Thomas Lee	Lead Development Engineer	Worley
Andrea Sætre	Electrical Engineer	A/S Norske Shell
Jan Gerhard Norstrom	Managing Director	LedaFlow Technologies
Caterina Galli	Project Engineering Manager	Baker Hughes
Stein Are Albertsen	Advisor Well Technology	Equinor
Karin Bol	Global Operational Solutions Leader	Baker Hughes
Arill Hagland	Principal System Engineer	OneSubsea
Jørn Kjølaas	Senior Research Scientist	SINTEF
Runar Østebø	Advisor	Equinor

2.3 Unlocking potential value with Subsea technology:

Get to know Subsea Technology and innovation trends for reduced cost, enhanced production and reduced greenhouse gas emissions for new and existing field developments.

Sindre Rhrich	Project Director	Baker Hughes
Birgitte Klubben	Sales Director Northern Continental Shelf	Baker Hughes
Rory MacKenzie	R&D Program Manager - Subsea Electrical Technologies	TotalEnergies
Mohammed Hasan Ali	Senior Product Manager	Baker Hughes
Nicholas Rouge	Subsea Robotics Project Manager	Oceaneering
Glenn Wilson	Global Technical Advisor	Halliburton
Karstein Berge Kristiansen	Product Lifecycle Manager	Siemens Energy
Kristin Moe Elgsaas	Technology Manager	Aker BP ASA
Sigurd Moe	Technology Fellow	TechnipFMC (Norway)

3.1 Innovative greenfield solutions:

Solid value creation from greenfield solutions is required to have support and TRUST in the society. How can we work together to make new developments cost efficient and with a low carbon footprint?

John Nustad	Vice President Floaters	Aker Solutions
Søren Frank	Technical Director	TotalEnergies
Steinar Asdahl	Head of Technology and Development	Stauper Offshore
Alfred Hase	RD&E Group Lead	ChampionX
Vanessa Richon	R&D Flow Modeling project manager	TotalEnergies
Justin Blair	Product Champion - Electrification and Controls	CAMERON NORGE
Kristin Moe Elgsaas	Technology Manager	Aker BP
Luiz Feijo	Director Global Offshore, Market Sector Lead - Production	ABS Europe Ltd.

3.2 Innovative brownfield solutions:

Solid value creation from brownfield solutions is required to have support and TRUST in the society. How can we work together to make new developments cost efficient and with a low carbon footprint?

Erik Oppedal	Director of Projects & Engineering	Neptune Energy
Camilla Salthe	Sr Vice President, Field Life Extension	Equinor
Stig Olav Settemsdal	CTO Offshore Solutions	Siemens Energy
Johan (Trygve) Reenskaug	Project Director	Aker Solutions
Inger Mette Staalesen	Director Technical Information Management	ConocoPhillips
Marit Jagtøyen Mazzetti	Senior Researcher	SINTEF
Christopher Carlsen	General Manager	Kongsberg Ferrotech
Philip Brachet	Principal Engineer	National Oilwell Varco

3.3 Innovative decommissioning:

How can we work together to deliver safe and environmentally friendly field abandonment at a reasonable cost? What are the latest initiatives and technology developments within this area?

Søren Frank	Technical Director	TotalEnergies
John Nustad	Vice President Floaters	Aker Solutions
Laurent Delabroy	Lead Engineer - Cementing & Zonal Isolation	Aker BP
Ole Gabriel Johan Kverneland	R&D Well Lead	TotalEnergies
Guillermo Andres Obando Palacio	Well Integrity Team Lead	Schlumberger Information Solutions
Hans Fjellanger	Managing Director	Aarbakke Innovation
Christian Olsen	Discipline Manager	Subsea 7 Norway
Jean-David Caprace	Professor	University of Rio de Janeiro
Vidar Haugland	CEO/ EVP	IKM Testing AS/ IKM Gruppen

4.1 Offshore emission reductions in the transition:

This session will address how the oil industry can achieve reduction of offshore emission of greeenhouse gases in the transition phase towards new low or zero emission energy solutions. We will cover integrated energy systems and a range of approaches from reduced flaring via hydrogen production to underwater power stations.

Britt Bjelland	Senior Advisor	Petoro
Simon Clausen Jeeves	Product Manager	MRC Global Norway
Kjartan Pedersen	Senior Study Manager	Aker Solutions
George Morrison	Director	Aquaterra Energy
Marcio Felix Bezerra	CEO	EnP Energy
Alexandre PACTAT	Gas Power CO2 Capture R&D Engineer	TotalEnergies
Camilla Lie	Technical Consultant	ABB
Paul Charles Redfern	General Manager	MRC Global Norway

4.2 Offshore emission reductions in the transition:

This session is directed towards how the oil industry can achieve reduction of offshore emission of greeenhouse gases in the transition phase towards new low or zero emission energy solutions. We will cover a range of approaches from power transfer from shore, carbon footprint reduction solutions to carbon capture from offshore power generation.

Kjersti Grov	Director for Technology, Analysis and Coexistence	Norwegian Petroleum Directorate
Erik Rundell	Underdirektør Teknologi, Analyser og Sameksistens	Norwegian Petroleum Directorate
Stig Brustad	Technical Manager	Kanfa
Mario Graca	Licensing Technology Manager Blue Hydrogen	Shell
Audun Johanson	R&D Project manager & New Opportunities	Nexans Norway
Christian Wik Høy	Senior Mechanical Engineer	Zeg Power
Michael Birch	Systems Manager - Offshore Power and Data Enablement	Baker Hughes
Bernd Niemann	Business Developer	Siemens Energy

4.3 Lower emissions from drilling and well:

In this session we will focus on how the well construction can be performed in a smarter way to reduce energy consumption and emission of greenhouse gases. Digital workflows, advanced downhole simulations, reduction of downtime, selection of rigs and vessels, monitoring and energy management are some of the topics that will be addressed.

Aina Margrethe Berg	Deputy EVP Technology	NORCE - Norwegian Research Centre
Thor Løvoll	Director of D&W	Neptune Energy
Dmitri Gorski	Chief Technology Officer	Heavelock Solutions
Jan Alvaer	Drilling Advisor	Schlumberger Information Solutions
Ian Thomas	Senior Principal Consultant	Vysus Group
Vidar Strand	Snr Sales Manager	Baker Hughes
Dieter Wijning	Product Manager Drilling	Huisman
Johnny Bjerkås	Business Development Manager	Schlumberger Information Solutions

4.4 Water management:

This session will address how water management at offshore installations can secure energy efficient operations, and at the same time contribute to lower GHG emissons. Topics addressed include how to achieve lower water production, ways to deal with produced water through re-injection and export to shore and smarter water management by the use of artificial intelligence.

Erik Rundell	Underdirektør Teknologi, Analyser & Sameksistens	Norwegian Petroleum Directorate
Arne Jacobsen	Assistant Director, Technology, Analysis & Coexistence	Norwegian Petroleum Directorate
Grant J. Paterson	Chief Marketing Officer	Innowell Solutions
Iván D. Pinerez Torrijos	Researcher	Universitetet i Stavanger, UiS
Brent Brough	CCO	InflowControl
Sadia SHAIEK	Subsea Process Engineer	Saipem
Sharath Chandra Mahavadi	Principal Scientist	Schlumberger - Doll Research
Saurabh Kaujalgikar	Associate Consultant	Tata Consultancy Services
Olga Barduk		Schlumberger - Doll Research

5.1 Digital green transition:

The industries that power the world's economies need to transform now to make the vision of a greener, smarter second half of the 21st century a reality. Data and digital solutions will be an important factor to make the energy industry more sustainable and accelerate new business areas. In this session the focus will be on acquisition, analysis and displaying data that will help end users with reducing their environmental footprint.

Laxmi Akkaraju	SVP Strategic Customer Services	Cognite
Enrico Di Martino	Business Development Manager	Rina Consulting
Geir Gotteberg	CEO	Vanora
Eric Rambech	Co-founder	Endrava
Joanna Mainguy	Industry Director	Microsoft
Okja Kim	Principal Data Scientist	Baker Hughes
Amol R. Madane	Solution Architect	Tata Consultancy Services Ltd., Pune, India
Hanne Rolén	Head Of Sustainability	Aker Carbon Capture
Valentin Vandenbussche	Co-founder	Endrava
Joseph Alenchery		Infosys Limited

5.2 Digital green transition:

The industries that power the world's economies need to transform now to make the vision of a greener, smarter second half of the 21st century a reality. Data and digital solutions will be an important factor to make the energy industry more sustainable and accelerate new business areas. In this session we will look closer at new ways to acquire data, how to use specific methods to improve the outcome and we will also look at solutions for reducing risks.

Rajan Maheshwari	Country Manager Norway	Tata Consultancy Services
Matti Irjala	Director of R&D	Aeromon
Laurence Davenport	Head of AWS Energy & Utilities Solutions Architecture EMEA	Amazon Web Services
Kristin Alne	CEO NUAer	NUAer
James Shannon	Senior Emissions Advisor	OPEX Group
Thomas Havsberg	Account Manager	ABB
Claudy de Groote	Business Development Manager	Yokogawa Europe Solutions
Mehal Shah	Global Business Head - TCS Clever Energy™	Tata Consultancy Services
Shy Muralidharan	Worldwide Decarbonization Solutions, AWS Energy	Amazon Web Services

5.3 Autonomus operations:

Autonomous operations have a huge potential to drive down cost and increase safety in offshore operations. However, growing use of robots, drones and other remote controlled devices also increase the potential impact of cyber attacks and sets requirements to who you can trust.

Frode Lefdal	Asset Manager	A/S Norske Shell
Steffan Lindsø	Chief Technology Officer	Nordic Unmanned
Håkon Olsen	Principal Consultant	DNV AS
Gregoire Audouin	Robotics system architect	TotalEnergies
Jordi Segura	Automation Program Manager	Schlumberger Norge
Kjetil Liebech-Lien	Product Manager Systems	Autronica Fire and Security
Matt Lamb	SPS System Product Manager, Deep Water, Long Offset and Electric	Baker Hughes
Pål Atle Solheimsnes	Lead Engineer	Equinor
Vinh Vuong Tran	Digitalization Lead - Well Intervention	Aker BP

5.4 Autonomus operations:

Autonomous operations have a huge potential to drive down cost and increase safety in offshore operations. However, growing use of robots, drones and other remote controlled devices also increases the potential impact of cyber attacks and sets requirements to who you can trust.

Luke Kendall	VP Solutions	Kongsberg Digital
Jamila Mendoza	Space Law and Policy Project Board member	Space Generation Advisory Council
David Bartolini	System Engineer	Baker Hughes
Maiya Kukushkina	Business developer in digital	Siemens Energy
Karl-Tore Østhus	CTO	Origo Solutions
Bjarne André Asheim	CEO	Kairos Technology
Jan Lausch	Principal Consultant	DNV
Sushanta Majumder	Business Relationship Manager	Tata Consultancy Services

5.5 Value from data sharing:

Analysts estimate that $95 billion of value can be achieved by collaboration that would involve sharing data between O&G industry peers and suppliers. For example, it can improve engineering efficiency by 20% and build costs by 15%. However, there are both technical, commercial, business model and trust based barriers. In this session we will learn about what we can do to overcome these barriers. We will hear from the operators, suppliers, technology providers and other contributors, and also get insights into some specific cases where value from data sharing has been realized.

Steffan Lindsø	Chief Technology Officer	Nordic Unmanned
Eric Stein-Beldring	Senior Product Manager	Cognite
Kjell Eriksson	Vice President Digital Partnering	DNV
Alisa Smerdova	IT & Digitalization Manager	SAR
Yiteng Zhang	Digital Technology Lead	Shell
Yngve Nilsen	Senior Advisor	Offshore Norge
Blair O'Connor	Project Manager	Net Zero Technology Centre
Gustavo Zarruk	Product Specialist	Cognite
Øystein Arvid Håland	Project leader	Offshore Norge
Mariann Forsberg	Digital & Continuous Improvement	A/S Norske Shell

6.1 Offshore wind based on O&G:

The offshore industry have for decades been driving innovation and engineered new solutions for both existing and non-existing problems/challenges. The experience from traditional O&G companies will be vital part of the building blocks necessary to make i.e. floating offshore wind a success. In this session we'll meet 6 innovative solutions ranging from products to full concepts offshore wind production. Specific solutions related to anchoring and positioning will be presented together with sensors and algorithms to optimize production and structural concepts for wind farms. All fine examples that shows how building on existing experience is contributing to the transition towards a more sustainable future.

Øystein Stjern	EVP	IKM Gruppen
Jan Wigaard	VP Concept & Studies	Aibel
Knut Høiland	Business Development Manager	Rosenberg Worley
Erik Løkken Walter	Manager, Business Area Renewable Energy	Dr.techn. Olav Olsen
Jacob Bryja	Product Management	Schottel GmbH
Peter Jenkins	CEO	4Subsea
Trond Grytten	CTO &VP Engineering	MORELD
Darren Shannon		Oceaneering Asset Integrity
Steven Bayton	Geotechnical Engineer and Research Advisor	Norges Geotekniske Institutt (NGI)

6.2 Green energy carriers:

The knowledge in the O&G industry related to process and process technology can be used to develop infrastructure and technical solutions for new plants, pipelines, distribution and other transport solutions including terminals. This session will showcase how experience from downstream O&G can be used to realize projects/installations for Green Energy Carriers.

Tor-Ivar Guttulsrød	Director Global Gas Solutions	ABS
Ottar Kristiansen	Director Projects – Hydrogen	Aibel
Anders Lundquist	Business Development	TechnipFMC (Norway)
Torkild R. Reinertsen	Chairman and Market Lead Hydrogen	REINERTSEN New Energy
Ole Morten Isdahl	Chief Technology Officer	Moreld Minox
Kees van Wingerden	VP Industrial Risk	Vysus Group
Anders Ødegård	Senior project manager	SINTEF
Magnus Thomassen	Chief Product Officer	Hystar

7.1 Carbon capture and storage, solutions and support:

CCS is more than a tool for decarbonizing oil and gas production, CCS has important emission reduction technologies that can be used within the entire energy industry. How can CCS support decarbonizing in industries such as iron and steel, waste incineration, cement, hydrogen production, gas power plants, ammonia, and more.

Øystein Lund Bø	Dean faculty of Science and Technology	Universitetet i Stavanger, UiS
Signe Kristoffersen	Senior Geologist CCS	Equinor
Johanne Koll-Hansen Bø	Vice President, Head of CCS	Altera Infrastructure
Torleif Madsen	CEO	Compact Carbon Capture
Henry St Aubyn	VP of Services	Data Gumbo
Kjell Erik Rian	Senior Principal Specialist	DNV
Ying Guo	Senior Advisor and Business Developer IOR-CCUS	NORCE - Norwegian Research Centre
Jim Stian Olsen	CTO	Aker Carbon Capture

7.2 Developing renewable energy lies at the very core of the energy transition:

Developing renewable energies lies at the very core of the energy transition. A genuine shift is taking place, new development of technologies and solutions are crucial to support net zero goals. How can new solutions and technologies increase the share of renewable energy in the energy system.

Øystein Arild	Head of Department, Energy and Petroleum Engineering	University of Stavanger
Alejandro Escalona	Head of Department of Energy Resources and Director of NCS2030	University of Stavanger
Per Lund	CEO	Odfjell Oceanwind
Francisco Guillermo Vozza	CCO	SolarDuck
Gery Bonduelle	EVP Sales	Freyr AS
Arne Hilling Kollandsrud	CEO	Tidetec
Ernst K H Kloster	Technology Manager	Subsea 7 Norway
Francesco Finotti	Research Manager	SINTEF
Daniel Buhagiar	Co-Founder / CEO	FLASC B.V.
Magnus Ulseth	Director, LNG & Midstream Products	Quorum Software