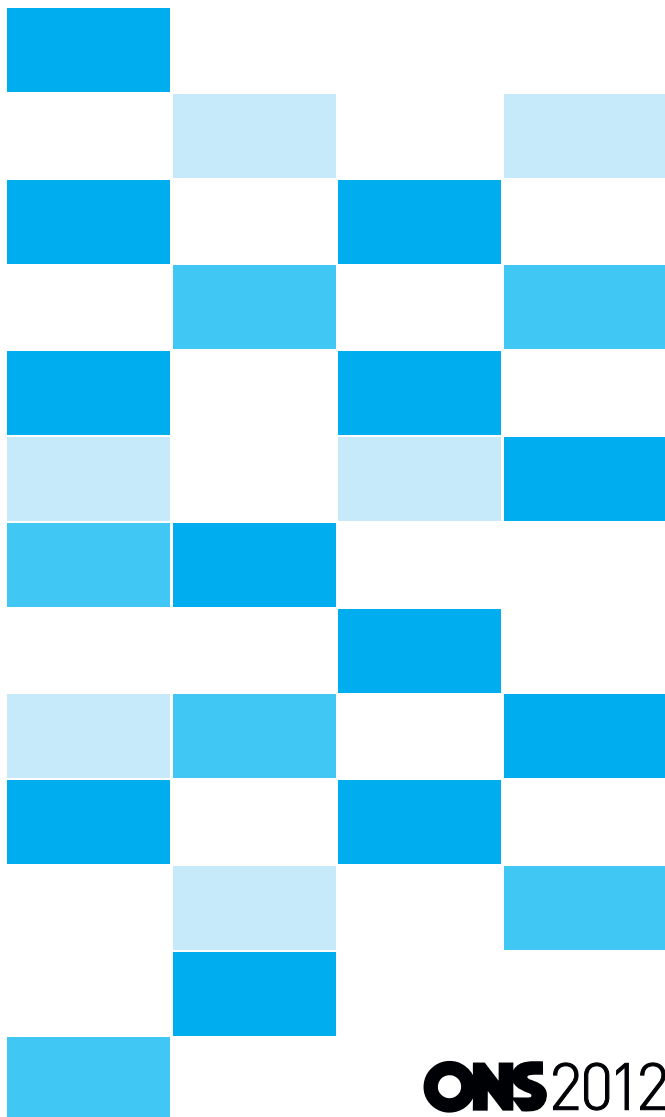


CENTRE COURT

PROGRAMME

Hall M, 28 – 31 August



ONS2012

confronting energy paradoxes

STAVANGER, NORWAY, 28-31 AUGUST 2012

EXHIBITION CONFERENCE FESTIVAL

CENTRE COURT PROGRAMME

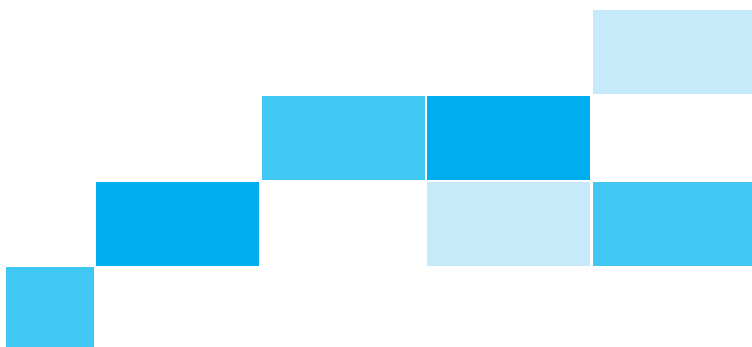
TUESDAY 28 AUGUST

OPENING SESSION, ONS CENTRE COURT

- 11.15 **Welcome to the new Centre Court**
Kjell Ursin-Smith, ONS
- 11.20 **Panel: Confronting Energy Paradoxes**
Moderator: Gunn Ovesen, President & CEO, Innovation Norway
Christian Rynning-Tønnesen, President and CEO, Statkraft
Eimund Nygaard, President and CEO, Lyse
Auke Lont, President and CEO, Statnett
Leif Teksum, Group Executive Vice President Large Corporates and International, DNB
Siri Espedal Kindem, Senior Vice President, Renewable Energy, Statoil
- 11.45 Break
- 12.00 **The importance of a strong brand
– DNB from a historical low to a well-liked brand**
Trond Bentestuen, Group Executive Vice President Marketing, Communications and eBusiness, DNB
- 12.20 Break

ANALYZING ENERGY MARKETS

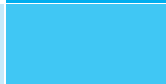
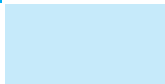
- Moderator: Liv Monica Stubholt, Senior Vice President Strategy and Communication, Kværner
- 12.35 **Welcome and introduction**
Liv Monica Stubholt, Senior Vice President Strategy and Communication, Kværner
- 12.40 **Economic Outlook**
Øystein Dørum, Chief Economist, DNB
- 13.00 Short break and dialogue



CENTRE COURT PROGRAMME

TUESDAY 28 AUGUST

- 13.05 **Energy Outlook**
John Avaldsnes, Partner, EMEA Oil & Gas Leader, Ernst & Young
- 13.25 Short break and dialogue
- 13.30 **The Shale Oil Revolution**
Torbjørn Kjus, Senior Analyst, DNB Markets
- 13.50 Short break and dialogue
- 13.55 **Analyzing Renewable Energy Markets**
Steinar Bysveen, Executive Vice President, Generation and Industrial Ownership, Statkraft
- 14:15 Break & Dialogue
- TECHNOLOGY TRANSFER**
– Taking the leap from Oil & Gas to Offshore Wind
Moderator: Morten Bygland, Regional Director, Norwegian Renewable Energy Partners – INTPOW
- 14.30 **Welcome and introduction**
Morten Bygland, Regional Director, Norwegian Renewable Energy Partners – INTPOW
- 14.35 **Ingenium Ventus**
Paal Strømstad, Project Manager
- 14.50 **Owec Tower**
Per Bull Haugsøen, Manager Business Development
- 15:05 **AAK**
Leif Røv, Managing Director
- 15.20 **Uptime**
Bjørnar Huse, Managing Director
- 15.35 Break
- 15.50 **Aibel**
Tore Engevik, Executive Vice President, Wind
- 16.05 **Automasjon og Data**
Steinar Haga, Business Development Manager
– Taking the leap from Offshore Wind to Oil & Gas
Moderator: Morten Bygland, Regional Director, Norwegian Renewable Energy Partners – INTPOW
- 16.20 **Havgul clean energy**
Harald Dirdal, Partner and Project Director
- 16.35 **Questions and closing remarks**



CENTRE COURT PROGRAMME

WEDNESDAY 29 AUGUST

- 10.00 **Transformation in the world of banking
– implications for the energy sector?**

Rune Bjerke, President and CEO, DNB

- 10.30 Break

INSIDE THE ENERGY REVOLUTION

Moderator: Aslak Bonde, Journalist

- 10.45 **Part 1: Energy Technology Perspectives**

Norwegian launch of IEA's Energy Technology Perspectives 2012 – Scenarios and Strategies to 2050

Presentation by Maria van der Hoeven, IEA Executive Director

Remarks by Ola Borten Moe, Norwegian Minister of Petroleum and Energy

Panel discussion led by moderator Aslak Bonde, Journalist

How to enable and encourage technologies and behaviours that together will revolutionise the entire energy system and unlock tremendous economic benefits.

Eimund Nygaard, President & CEO, Lyse

Auke Lont, President & CEO, Statnett

Christian Rynning-Tønnesen, President & CEO, Statkraft

Jørgen Kildahl, Member of the board of Management, E.ON AG

- 11.45 **Part 2: Handling energy paradoxes – views from the inside**

Possibilities in the energy revolution. Renewable energy and infrastructure as a solution to climate challenges.

Paradoxes and solutions presented by:

Jørgen Kildahl, Member of the board of Management, E.ON AG

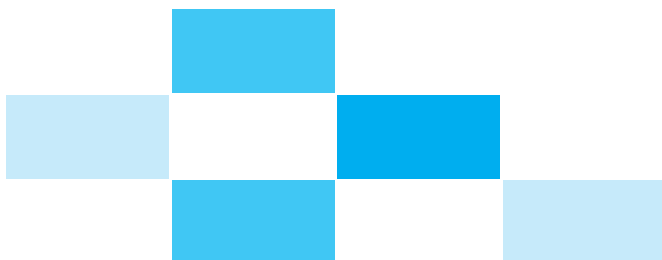
Eimund Nygaard, President & CEO, Lyse

Auke Lont, President & CEO, Statnett

Christian Rynning-Tønnesen, President & CEO, Statkraft

Panel discussion and questions from the audience led by
moderator Aslak Bonde, Journalist

- 12.45 Break



CENTRE COURT PROGRAMME

WEDNESDAY 29 AUGUST

INTPOW RENEWABLES FINANCE SEMINAR

Moderator: Jon Dugstad, Regional Director, INTPOW

13.00 **Financing of the energy infrastructure in a difficult global financial context**

How does the current global financial difficulties affect the funding of renewables?

Tom Murley, MD, Hg Capital

Government policies to facilitate renewable deployment – The UK Energy Market Reform

Louise Clark, Policy Advisor, UK Department of Energy & Climate Change

Private Equity in Scandinavian Generation and Grid infrastructure

Bjørn Olav Øiulfstad, Chairman/CEO, Nor Kraftkapital

The changing banking scene

Per Aage Jacobsen, Head of Project Finance and Structured Debt, DNB

14.00 Networking break

14.10 **Offshore Wind Funding & Risk**

Project Financing of offshore wind projects: past & current deals and the role of contractors and export credit agencies

Albert Jochems, Partner, Green Giraffe Energy Bankers

Handling offshore wind technology and project risk

Marte de Picciotto, Principal Consultant, DNV KEMA Energy & Sustainability

14.40 Networking break

15.00 **Funding the renewable supply chain – how?**

Challenges and rewards of renewable equity funding – the Seajacks story

Robin Duggan, Principal, Riverstone LLC

Public funding of innovative renewable energy solutions

Fridtjof Unander, Executive Director, Norwegian Research Council

15.30 **RENEWABLE INNOVATIONS FROM NORWAY**

Pitch presentations

Moderator: Konrad Pütz, Senior Engineer, Transnova

Aqua Energy Solutions, Coriolis, Flumill, Langlee Wave Power, METCentre, Norwegian Hard Rock Drilling, ZEG Power

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CENTRE COURT PROGRAMME

THURSDAY 30 AUGUST

CCS SEMINAR "BRINGING IT DOWN TO EARTH"

Moderator: John Gale, General Manager, IEAGHG

09.50 **Welcome and introduction**

John Gale, General Manager, IEAGHG

Technology & Innovation

Moderator: John Gale

10.00 **ECCSEL – Next generation CCS technologies through a pan-european research infrastructure**

Sverre Quale, Project Director, European Carbon Dioxide Capture and Storage Laboratory Infrastructure, NTNU

10.15 **Key elements to assure safe storage – a prerequisite to realise CCS**

Sveinung Hagen, PhD, Leader CO2 Storage, Statoil

10.30 **Major outstanding uncertainties surrounding the physics of CO2 storage: A perspective from academia**

Sam Krevor, PhD, Lecturer, Imperial College

10.45 **Short break & Dialogue**

International Perspectives

Moderator: John Gale

11.00 **CCS Development: U.S. Governmental Perspectives**

Edward T. Canuel, Ph.D., Regional Hub Officer, Environmental, Scientific, Technological and Health Affairs, U.S. Embassy Copenhagen

11.20 **CCS - An Industry Perspective in Uncertain Times**

Bill Spence, Manager Strategic Issues, Shell International Exploration and Production B.V.

11.40 **Short break & Dialogue**

Norwegian Perspectives

Moderator: Bjørn-Erik Haugan, President and CEO, Gassnova

11.55 **Welcome and introduction**

Bjørn-Erik Haugan, President and CEO, Gassnova

12.00 **"The world's largest CCS test facility at Mongstad setting a new standard for testing and improving CO2 capture"**

Tore Amundsen, President and CEO, TCM

12.15 **"CCS on NCS, what does it take?"**

Gudmund Olsen, Leader Engineering, AGR Group

12.30 **Great prospects for offshore carbon storage The Norwegian CO2 storage Atlas**

Eva Halland, Project Director, Norwegian Petroleum Directorate

12.45 **Dialogue**

CENTRE COURT PROGRAMME

THURSDAY 30 AUGUST

OFFSHORE WIND

- Challenges and opportunities regarding technology, financing and markets

- 13.20 **Welcome**
Trond Moengen, Teknologisk Møteplass
- Norwegian industrial players - heading offshore**
- 13.30 **Energi21 – national strategy for energy R, D&D**
Lene Mostue, Energi21
- 13.40 **OWEC Quattropod**
– flexible foundation for next generation offshore wind turbines and challenging environments
Per Bull Haugsøen, OWEC Tower
- 14.00 **Cranefree foundations for offshore wind**
Peter Karal, Seatower
- 14.20 **Bringing Norwegian maritime offshore technology to offshore wind**
Ivan Østvik, Norwind Installer
- 14.40 **Reducing the cost of Offshore Wind Power**
Anne Grete Ellingsen, CEO, Vestavind Offshore
- Research clusters**
– creating critical mass for international R&D cooperation
- 15.00 **Key topics in Norwegian research on offshore wind energy**
Kristin Frøysa, NORCOWE
- Financing instruments – supporting innovation**
- 15.10 **Norway – An attractive Arena for Innovation**
Øyvind Leistad, Enova
- 15.40 Break
- Global opportunities for Offshore wind**
- 15.50 **International cooperation of offshore wind energy; case Japan - Norway**
Per Christer Lund, Innovation Norway
- 16.00 **Global markets for Offshore wind**
Johan Sandberg, DNV Kema
- 16.20 **Status and ambitions for offshore wind in Japan**
Tomoaki Utsunomiya, University of Kyoto
- 16.40 **Statoil's engagement in the offshore wind market in Japan**
Geirr Haarr, Statoil
- 17.00 **Japanese investments in wind markets in Europe - example HøgJæren**
Tetsuro Nagata, Eurus Energy Holdings Corp.
- 17.15 **Open floor Q and A session – summary**
Per Christer Lund, Innovation Norway

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FRIDAY 31 AUGUST

- 09.45 **Curiosity and the Search for Life on Mars**
Dr. Pascal Lee, Planetary Scientist, Mars Institute, SETI Institute
and NASA Ames Research Center
- 10.10 Short break & Dialogue
- 10.15 **Company presentation, Lyse**
- 10.30 Short break & Dialogue
- 10.35 **Company presentation, Statnett**
- 10.50 Short break & Dialogue
- 10.55 **Presentation, Dalane – wind power region**
- 11.10 Short break & Dialogue
- 11.15 **Company presentation, DNB**
- 11.30 Break & Dialogue
- 12.00 **iStreetlight – Visualizing the energy imbalance in the world**
Marthe Gerhardsen
- 12.30 **DNB Innovation Prize**
- 13.00 **First Step Stavanger, Presentations by start-up companies**

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