



NOV 19-20,
2018

3rd Annual Global
Subsea Power Cables Forum For
**THE O&G AND ENERGY
INDUSTRY 2018**

London, United Kingdom



Wyndham Grand Chelsea
Harbour Hotel
Address: Chelsea Harbour Dr,
Fulham, London SW10 0XG,
UK

ANNUAL GLOBAL FORUM ON SUBSEA POWER CABLES FOR THE O&G, ENERGY AND RENEWABLE INDUSTRY

LONDON,
UNITED KINGDOM

19th - 20th of November 2018

Key Speakers :



Daniele Petrone
General Manager
Subsea
Schlumberger



John Davies
Director - Seabed
Intervention
Canyon Offshore



Andrew Page
Head Of Energy
Intertek Energy & Water



Moya Cahill
President
PanGeo Subsea



Dr. Chas Spradbery
Manager-Special
Projects
Petrofac



David Brookes
Director
St Jules
(Rtd. BP)



Alex Gauntt
Founder and MD
Water to Water



Ewan Brown
Analysis Manager
Oceaneering



Angelika Grohmann-Wörle
Team Leader
Large Projects Offshore
Tennet



Elisabeth Gjølmesli
Senior Principal
Engineer
DNVGL



Keed de Ruiter
Regional Project Manager
Van Oord Offshore
Wind Projects



Alex Neal
Electrical Engineer
Uniper



Kuljit Singh
BD Manager
OptaSense



Brian O'Keeffe
Senior Consultant
Engineer
Wood



Iain Henderson
Senior Electrical
Engineer
Aecom

Conference Key Sessions :

- Reduce O&M costs with SMART Sensing Optics distributed Acoustic-Sensing Technology.
- Get Familiar with Ultra Light-weight design cables for optimum performance
- Application of 66kv cables for O&G / Energy Markets
- Explore Advancements, Trends and Challenges in Subsea Projects (Oil&Gas/Renewables)
- Implement Risk-based approach and complete strategies for offshore support Vehicle and Wind projects
- Exchange ideas and opinions to advance scientific and technical knowledge for offshore resources and environmental aspects.

Participants Companies Including



Media Partners



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08:30 Registration and Morning Coffee

08:40 Chairman's Opening Remark

Subsea Projects Past and Future Challenges

09:10 Opening Address Case Study

Seabed Power Systems - Experience sharing between the Oil/Gas and the Renewables Energy sectors

- The roles of the operator and contractors in systems design and specifications
- Complexity v Simplicity
- Installation Techniques and the drive for lower costs
- Going deeper – the floating wind challenges
- IMR for the future

David Brookes
Director

St Jules (Rtd. BP)

09:50 Case Study

New trends and innovations towards setting up large windfarm project

- Understanding the site survey and complex installation challenges
- Survey and Sediment Analysis techniques.
- Hazard risk assessment – natural and manmade hazards
- The importance of spatial planning for windfarm layout and cable design.
- Cable installation techniques – ploughing, jetting and ROV trenching.
- Conclusion and Future Outlook

Keed de Ruiter

Regional Project Manager

Van Oord Offshore Wind Projects

10:30 Morning Coffee and Networking

11:00 Case Study

Design and qualification of Dynamic Power cables

- Typical challenges in design of a global configuration
- Critical issues to consider in design of cables and accessories
- Acceptance criteria
- Qualification of cable system

Elisabeth Gjølmesli

Senior Principal Engineer

DNVGL

11:40 Case Study

- Intertek's Experience with Projects (Onshore/Offshore)
- Example and Best Practices

Andrew Page

Head Of Energy

Intertek Energy & Water

12:20 Case Study

Reducing risk during the installation of array cables in offshore wind farms

- Lessons learnt from 20 years of cable installation
- Reducing weather downtime while increasing efficiency and safety
- Overview

Alex Gauntt

Founder and managing Director

Water to Water

13:00 LunchTime

14:00 Chairman's Opening Remarks

Advanced Cable Design Technology and Future Applications for Energy Industry

14:30 Case Study

AC Corrosion Prevention on Subsea Power Umbilicals

- Integrating MV power in subsea umbilicals proves to be an attractive solution in
- many scenarios, where power for subsea pumping and processing is required
- The addition of MV cables within the umbilical bundle brings multiple design
- challenges (i.e higher temperature, electrical interference etc)
- The risk of AC corrosion on pipelines is well known and documented, but had never been observed in subsea umbilicals tubes
- A recent failure in a subsea umbilical has been associated with the AC
- corrosion phenomena
- Oceaneering has been tasked by a customer to assess and mitigate this risk
- in a recent Project; This work shows the process followed and the solution executed.

Ewan Brown

Analysis Manager

Oceaneering

15:10 Case Study

The Economic, Environmental and Social Impact of Protecting Submarine Distribution Cables

- Framework to manage the competing economic, environmental and
- social demands placed on Scotland's natural marine environment CBA tool to assess the holistic impacts of cable protection in monetary terms
- Selection of the best value protection method for individual cables Case
- Study on Scottish and Southern Electricity Networks

Iain Henderson

Senior Electrical Engineer Transmission and Distribution, Energy

Aecom

15:50 Afternoon Tea and Networking

16:20 Panel Discussion

17:00 Summary of Day 1

17:10 Closing Remarks from the Chair and End of Day One

Business Networking Dinner 19:00 - 22:00



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09:00 Chairman's Opening Remarks

Latest Research and Development in Subsea Power Systems

09:10 Opening Address

Operations Management of Subsea Cables Using Fiber Optic Technologies

- The optical wavelength has many features that can provide important operating status information
- Designing the measurement to capture the phenomena
- Data supports continuous and instant dynamic event detection and asset status change
- Damage identification ability assists with efficient fault location and repair procedures

Daniele Petrone
General Manager - Subsea,
One Subsea

09:50 Case Study

Trenching Subsea Power Cables - Bringing years of R&D expertise

- Who is Canyon Offshore
- What have we done in cables in and outside O&G
- What are the seabed conditions that are encountered
- What equipment is there to burial cables
- Who sets and how do you achieve the DOB required
- What happens if you don't

John Davies
Director Seabed Intervention, **Canyon Offshore**

10:30 Morning Coffee and Networking

Practical Case Studies Subsea Power Cables From Installation to Maintenance and Repair

11:00 Case Study

Advanced Engineering for Cable Protection

- The European Market Objectives
- Technical Requirements
- Multicultural project and permit Management

Dr Chas Spradbery
Manager - Special projects
Petrofac

Case Study

TenneT Experience with National and Transnational Grid Connections

- Permitting Framework
- Technical Consequences/Solutions
- Monitoring and Maintenance Requirements

Angelika Grohmann-Wörle
Team Manager Large Projects/Licensing Offshore
TenneT

12:20 Case Study

Mitigate risk in offshore installations using Acoustic Technology

- How to improve project efficiency - Importance of identifying geohazards in the seabed
- De-risking offshore foundation installation
- Using HD stratigraphic imaging and mapping as a tool for Cable setup-layout

Moya Cahill
President
Pan Geo Subsea

13:00 Lunch Time

14:00 Coffee and Networking

14:30 Case Study

Reducing O&M cost with "Online Integrated SMART Sensing using Fibre Optics Distributed Acoustic Sensing Technology"

- Addressing offshore challenges : Short-circuit detection and localisation, Anchor drags, Buried and unburied Cable Monitoring, Wave height Monitoring using (DAS) Technology
- Benefiting operators and the opportunity for cost savings by Reducing the O&M cost (plus insurance) further Improving the lifetime of operation

Kuljit Singh
Business Development Manager
OptaSense

15:10 Case Study

Power Cable Challenges & Solutions

- Exposing Power Cable to Dynamic Environments
- What are the Design Challenges involved?
- Proposed Solutions
- Best Practices.

Brian O'Keeffe
Senior Consultant Engineer
Wood

15:50 Afternoon Tea and Networking

16:20 Open Group Discussion

This session is an open discussion, where delegates will be divided into groups, each group will include representatives from Power Companies NOCs, service providers and the summit's speakers and will get to exchange their thoughts, discuss and ask questions in regards as conclusion of the conference and Next Steps.

17:00 Summary of Day 2

17:10 Closing Remarks from the Chair and End of Day Two

REGISTRATION DETAILS

PLEASE COMPLETE THE FORM USING BLOCK CAPITAL
LETTERS AND FAX BACK TO +44 203 031 1467

Please complete a separate Registration Form for each delegate. You can make photocopies of this form if necessary.

DELEGATE DETAILS

Full Name:
Job Title:
Company:
Direct Tel.:
Mobile:
Fax:
Email:
Signature & Date:

COMPANY DETAILS

Address:
City:Post Code:
Country:
VAT Reg. Number:

CONFIRMATION

Once a conference space has been allocated to you, we will write to confirm the date and receipt of your payment.

Date & Signature:

✦ Conference Fee

TERMS & CONDITIONS

PAYMENT:

Fees are inclusive of program materials and refreshments. Payment prior to conference is mandatory for attendance.

Your registration will not be confirmed until payment is received and may be subject to cancellation.

Following completion and return of the registration form, full pay-ment is required within 5 days from receipt of invoice.

PLEASE NOTE: payment must be received prior to the conference date. A receipt will be issued on payment.

Due to limited conference space, we advise early registration to avoid disappointment. We reserve the right to refuse admission if payment is not received on time.

CANCELLATION, POSTPONEMENT AND SUBSTITUTION POLICY:

You may substitute delegates at any time by providing reasonable advance notice to OPEX Group

For any cancellations received in writing not less than eight (8) days prior to the conference, you will receive a 90% credit to be used at another OPEX Group conference which must occur within one year from the date of issuance of such credit. An administration fee of 10%of the contract fee will be retained by OPEX Group for all permitted cancellations. No credit will be issued for any cancellations occurring within seven (7) days (inclusive) of the conference.

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Full PACK	<input type="checkbox"/>	1995 £	<ul style="list-style-type: none">• 2 Days of conference• On Demand (unlimited access to conference HD full recorded video)• Documentation (access to all the conference presentations)
STANDARD PACK	<input type="checkbox"/>	1795 £	<ul style="list-style-type: none">• 2 Days of conference• Online Documentation (access to all the conference presentations only PDF)
Online Documentation	<input type="checkbox"/>	599 £	<ul style="list-style-type: none">• Access to all the conference presentations with recorded questions and answers during the panel discussion)

ACCOMMODATION

HOTEL ACCOMMODATION AND TRAVEL EXPENSES ARE NOT INCLUDED IN THE REGISTRATION FEE.



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