



Norwegian Society
Of Lifting Technology

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Welcome to Aberdeen
April 24th - 26th 2018

The 23rd International OFFSHORE CRANE & LIFTING CONFERENCE

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CONFERENCE

*Creating cost effective lifting operations
with no impact on safety or reliability*



Welcome to Aberdeen!

THE 23rd INTERNATIONAL
OFFSHORE CRANE & LIFTING
CONFERENCE

The Norwegian Society of Lifting Technology (NSLT) together with the Offshore Mechanical Handling Equipment Committee (OMHEC) are again proud to announce this year's International Offshore Cranes & Lifting Conference (IOCLC).

The conference alternates between the "oil capitals" of Norway and Scotland - Stavanger and Aberdeen - these are the most important places of business for the North Sea oil and gas industry and home for regulators, the major duty holders, oil and gas contractors, service companies etc. During the conference, the participants will have a chance to meet and share their experiences with North Sea offshore petroleum regulators, experts and industry leaders from the offshore crane and lifting operations community.

The conference has the goal to cover a wide range of new topics in offshore cranes and lifting technology, subsea and heavy lifting, crane standardisation and regulatory and industry safety initiatives. Participants will have ample opportunity to enter into discussions with the speakers and spend time interacting with companies demonstrating their goods and services in the conference exhibition area.

Why you need to attend The 23rd IOCLC in Aberdeen, UK

You'll get the most up-to-date information in the offshore crane and lifting business industry, as well as answers to all of your crane and lifting questions. Additionally, world renowned crane business leaders, end-users, consultants, petroleum regulators and vendors will all be under one roof, solely for the purposes of learning, exchanging information, networking, see and try new technology and developing long lasting business relationships in order to contribute to enhance safety and improve business.

What sets this conference apart from the rest?

The 23rd International Offshore Cranes and Lifting Conference is the only conference with a complete focus on the offshore crane & lifting business in the North Sea and beyond.

The conference is not a series of sales orientated pitches but a dynamic gathering of like-minded people involved in the offshore lifting industry. Our unique blend of presentations, case studies and exhibitions provides you with a unique opportunity to walk away from the summit with all of the critical information you need to get the most out of your daily lifting operational tasks. This conference gives the lifting community the platform that it truly deserves as it provides many hours of dedicated networking time for you to talk openly with your peers, suppliers and customers and the opportunity to conduct business face-to-face.

PROGRAM

Monday April 23rd

16:00 - 17:00 **Whisky tasting, Glen Garioch**
– Holiday Inn Express AECC

20:00 **Get together at Scandic Forum Hotel**

Tuesday April 24th

Morning Session Chairman:

Mr. Colin Martin, Health and Safety Executive, UK

08:00 **Registration / Coffee / Exhibition**

10:00 **Welcoming Remarks**
Mr. Svein Anders Eriksson, Section Head,
Petroleum Safety Authority, NO

10:10 **Welcome to Aberdeen**
• Opening Address
Mr. Chris Flint, Director Energy Division,
Health and Safety Executive, UK

SAFETY MOMENT

10:20 **HSE Focus**
• Summary incidents and accidents
Mr. Colin Martin, Health and Safety Executive, UK

10:40 **OMHEC Update**
Mr. Sigmund Andreassen, Leader OMHEC, NO

11:00 **Coffee Break / Exhibition**

SHARING BEST PRACTICES – EXPERIENCE TRANSFER

11:30 **Lifting Beams, Spreader Beams and Common Misuse**
• The mechanical differences between spreader beams and lifting beams
• Common misuse of these products and how it can be avoided. Mr. Anthony Culshaw, Technical Director, Britlift Ltd., UK

12:00 **Maintaining safety and quality in cost effective future**
• Maintaining safety and quality leading to cost reduction and better overall risk management
• Practical examples taken from DNV GL's daily work
Mr. Marcin Sikora, Principal Engineer DNV GL, NO

12:30 **Lunch / Exhibition**

Afternoon Session Chairman: Mr. John Morrison, EnerMech Ltd., UK

13:30 **"Guidance in Offshore Lifting Operations"**
• IMCA's new Lifting & Rigging Management Committee
• IMCA's revised guidance adds further offshore lifting value
Mr. Mark Ford, Technical Manager, IMCA, UK

14:00 **Accident with Eagle pipe handling crane at Gullfaks B**
• Wire break
• The Crane fell down
Mr. Stein Ove Dyngeland, Advisor Lifting equipment & Lifting operations, Statoil ASA, NO

14:30 **Coffee Break / Exhibition**

15:00 **Lifting accident on Maersk Interceptor – Investigation and learnings**
• Briefing about the incident
• Incident Investigation process
• Lessons learned
Mr. Glenn Gormsen, Offshore Installation Manager, Maersk Drilling Norway AS, NO

STANDARDS AND RESEARCH

15:30 **New IOGP Standard Specification for offshore pedestal cranes**
• Developed as part of the IOGP JIP33 Project
• Developed by Operating companies with industry stakeholder engagement
• Specification applies to both EN13852-1 and API Spec 2C.
Mr. Ben Finlay, Lifting TA, Woodside Energy Ltd and Julien Dunand-Chatellet, Lifting and Marine Operations Specialist, Total S.A, AU

PANEL DISCUSSION

Mr. Nils Martin Justad
Advisor Cranes and lifting, Statoil ASA, NO
Mr. Mark Burgess
Senior Rotating Equipment Engineer, Shell U.K. Limited
Mr. Kevin Boyle
Lifting – Discipline Leader, BP, UK
Mr. Antonio Fusco
EniProgetti SpA, IT
Mr. Saleem Parvez
Saudi Aramco, SA

16:10 **Use of a standard overhead crane for high-risk application. Is it feasible?**
• How can we approach the problem
• The evaluation process and conclusions
Mr. Kato Øvestad, Project Manager, IKM Tech Team Solutions AS, NO

16:40 **Risk Based Inspection Methodology - Assessment for Written Scheme of Examination for Lifting Appliances**
• An overview of Risk Base Inspection Methodology
• Examination Scheme to cover LOLER and other regulatory requirements
• An outline of the qualitative methodology applied
Mr. Jake Simeon Agbaza, Lead Engineer, Lloyd's Register EMEA, UK

17:10 **End of day 1**

SOCIAL ARRANGEMENT

See page 7.

Wednesday April 25th

Morning Session Chairman: Mr. Svein Anders Eriksson,
Petroleum Safety Authority, NO

SAFETY MOMENT

08:30 PSA Focus

- PSA focus - reversing the trend
- Mr. Svein Anders Eriksson, Section Head, Petroleum Safety Authority, NO*

09:00 Accidents and Incidents

- Major accidents and incidents
- Presentation of trends
- Mr. Jan Ketil Moberg, Act. Section Head- Logistic and emergency preparedness, Petroleum Safety Authority, NO*

PANEL DISCUSSION

09:20 Panel discussion on training

NEW TECHNOLOGY, SCIENTIFIC DEVELOPMENT

10:00 FSW of steel welding process applications and benefits

- What is FSW of steel
- What are the benefits of using FSW in steel applications
- FSW – Friction Stir Welding
- Mr. Cosmin Caluean, Welding Specialist, Lloyd's Register EMEA, UK*

10:30 Coffee Break / Exhibition

11:00 Caisson replacement on jacket structure platforms

- Smart use of Pin-box connectors
- Innovative and cost effective solution
- Subsea preparation and lifting without the use of IMR vessel
- Mr. Fredrik Rakvåg, Service Development Manager, Axxess Engineering Solutions, NO*

11:30 Crane with telescopic boom for future wind turbines

- Cranes for future wind turbines: Do we just make them larger or is a smarter solution available?
- The advantages of a crane with a telescopic boom
- Mr. Arjo van Putten, Project Manager Cranes, GustoMSC, NL*

12:00 Lunch / Exhibition

Afternoon Session Chairman:

Mr. Robert Oftedal, DNV GL, NO

13:00 Thorough "digitalization" of lifting equipment

- Digital business presents great opportunities for innovation and competitive advantage
- How can we use digital technologies to create new synergies and values for suppliers, inspectors and users of lifting equipment?
- Mr. Bernt Håvardsholm, CEO, Onix, NO*

13:40 Software Integrity & Control System Safety Performance

- Challenges related to increasing complexity of control systems and the rising need for robust software to keep it all together
- How to deal with the fact that hidden software errors, erroneous configuration parameters, and design flaws in the control system software may affect safety in operations
- Mr. Per Arild Åland, Offshore Class, Business Development, DNV GL AS, NO*

14:10 LiDAT smartApp - Making crane performance data visible

- Analysing crane data to save operating costs and increase efficiency
- Detecting bottle necks and identifying new opportunities
- Mr. Andreas Kopf, Head of Customer Service and Mr. Günter Berthold, Head of ITM Sales/Customer Service, Liebherr, Rostock, DE*

14:40 Coffee Break / Exhibition

15:10 Ultra Deep Subsea Cranes with Fiber Rope

- Use Active Heave Compensation with Fiber Rope, without Active Cooling
- Enable for much larger objects to be lowered to ultra-deep seabeds
- Mr. Cees van Veluw, Product Manager Cranes, Huisman Equipment B.V. NL*

15:40 Using 'Developing new technology'-guidelines

- The SeaSpyder is a new personnel transfer system that reduces the risks for the people involved
- 'Developing new technology'-guidelines have been used in this project to identify, assess and mitigate technical, project and financial risks
- Mr. Geert-Jan van der Bent, Manager Engineering and R&D, Kenz Cranes, NL*

16:10 Motion Compensation Systems

- Developments and solutions
- Model based design and HIL testing
- Mr. Bert Mokken MSC, Lead Structural Engineer, SMST, NL*

16:40 End of day 2



Thursday April 26th

Morning Session Chairman:

Mr. Arnold de Groot, State Supervision of Mines, NL

SAFETY MOMENT

08:30 **SSM Focus**

- Summary incidents and accidents
- Mr. Arnold de Groot, State Supervision of Mines, NL*

HEAVY LIFTING

09:00 **Hardware optimization**

- Optimizing after the new hook standard EN 13001:3-5, replacing DIN 15400
 - Test results with grommets, round slings and rope slings
- Mr. Joost Eertman, Technical Director, Ropeblock B.V. and Marc Eijssen, Global Functional Leader ADTS, DSM Dyneema B.V., NL*

09:30 **Heavy Lift Crane Vessels and Platform Removals**

- Past, Present and Future of Heavy Lift Crane Vessels
 - Onshore Preparations, Engineering and Procedures
 - Platform Removal Methods and Case Study
- Mr. Duncan Edwards, Project Engineer, Heerema Marine Contractors, UK.*

10:00 **Coffee Break / Exhibition**

10:30 **Increased workability with TTS Colibri system**

- Operational advantages with TTS Colibri system on offshore cranes
 - Update on latest TTS Colibri for Louis Dreyfus Armateur's "Wind of Change"
- Mr. Nick Wessels, Sales Manager, Ulstein Equipment BV, NL and Mr. Jan Arne Opedal, VP Engineering, Technology & Development, TTS Offshore Solutions AS, NO*

11:00 **Crane replacement on a FPSO by use of a heavy lift vessel**

- Fast track supply of a new cost- and weight efficient state of the art VFD powered offshore lattice boom crane to Statoil's Åsgard A FPSO
 - Planning and delivery of offshore installation support services for removal of old crane and installation of the new crane as a complete lift by use of a heavy lift vessel offshore
- Mr. Tor Raknestangen, Product Champion - Offshore Lattice Boom Cranes, NOV, NO*

DROPPED OBJECTS

11:30 **Dropped Objects from Crane manufacturer Design**

- Experience transfer
- Mr. Apichat Bamwrungrong, Engineer, PTT, TH*

12:00 **Lunch / Exhibition**

Afternoon Session Chairman:

Mr. Maro Hartman, Lloyds Register, NL

LIFTING ROPES

13:00 **Practical Considerations for Non-Destructive Evaluation of Synthetic Fiber Ropes**

- Non-destructive evaluation of fiber rope is an increasingly powerful tool available to evaluate and monitor rope health and manage risk during lifting operations
- As fiber rope NDE is still in its early stage, though, all results need to be taken in context to ensure the operator has an accurate picture of rope health

Mr. Jim Plaia, R&D Engineer, Samson, US

13:30 **Realistic testing and development of high performance synthetic fibre rope slings**

- Testing under realistic scenarios to determine and predict fibre rope sling behaviour for safe use in lifting projects
- Use of DNV-GL Technology Qualification to demonstrate suitability and safety of use

Mr Rui Pedero Faria, Senior R&D Engineer, Lankhorst Ropes, PT

14:00 **ECsix-Multistrand Carbon Rigging**

- History and Carbon Rigging Properties.
- Industrial Applications and Developments with Carbon Rigging.

Mr. Barry Paskey, Sales Director, FutureFibres, ES

14:30 **Closing/Adjourn**

14:45 **Bus transport to airport**



CONFERENCE FEES

Participants: NOK 12.500, - excl. VAT
Early reg.: NOK 11.500, - excl. VAT (15th March)
Single day registration: NOK 4.900,- excl. VAT
Lecturers: NOK 5.200, - excl. VAT
Co-authors: NOK 8.500, - excl. VAT
Sponsorship: NOK 20.000,- excl. VAT
Exhibitor: NOK 20.000, - excl. VAT

In addition / Options:

Daytime packages includes lunch and refreshments
NOK 550, - /day excl. VAT
Whisky tasting April 23rd: NOK 200,- excl. VAT
Get together April 23rd: NOK 350,- excl. VAT
Conference dinner April 24th: NOK 950,- excl. VAT
Kilt hire: NOK 800,- excl. VAT

CONFERENCE COMMITTEE:

- Mr. Svein Anders Eriksson, Petroleum Safety Authority, PSA, NO
- Mr. Robert Oftedal, DNV GL, NO
- Mrs. Margrethe Aven Storheim, Wintershall Norge, NO
- Mr. Arnold de Groot, State Supervision of Mines, NL
- Mr. Colin Martin, HSE, UK
- Mr. John Morrison, Enermech, UK
- Mr. Jan Ketil Moberg, Petroleum Safety Authority, PSA, NO
- Mr. Maro Hartmann, Lloyd's Register EMEA, Marine & Offshore, D
- Ms. Anne Line Rosenlund, Norwegian Society of Lifting Technology, NSLT, NO

PAYMENT

The Registration fee, conference packages and Conference Dinner will be payable to Norwegian Society of Lifting Technology (NSLF).

Payment options:

1. By individual invoice. An individual invoice for the registration fees and selected options (excl. accommodation costs) will be sent by mail, payable to NSLF. Due date is Tuesday April 10th 2018. Please bring a copy of the remittance at the conference if payment is made after this.
2. By on-site payment. If it is more convenient for you, bring the invoice with you to the check-in desk, where you can pay with credit card (VISA/Diners/MasterCard/AmEx). Remember to advise us in advance if you select this payment.

CANCELLATION

Cancellation must be made within three business days before the seminar start unless full fee must be paid.

Cancellation fee is 20% of full registration fee after the registration deadline.

Only written cancellation is accepted.



REGISTRATION OFFICE

The Norwegian Society of Lifting Technology (NSLT)
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Conference Manager:

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Don't miss this opportunity to meet colleagues in the offshore crane and lifting business, to participate in discussions related to offshore cranes, lifting and material handling, and see an exhibition of new services, goods and technology!

THE VENUE

The Aberdeen Exhibition & Conference Centre is Aberdeen's largest venue. AECC has been the choice of many national and international conference organisers, and it offers a world-class facility with state of the art conference rooms.

The IOCLC 2018 will take place in the largest auditorium, Boyd Orr B, with a capacity of more than 250 delegates. The lunches will be served in Crombie Suite, and the Exhibition/coffee break area will be in Boyd Orr A. More information, see www.aecc.co.uk.



For accommodation and the get together arrangement we have booked the Holiday Inn Aberdeen Exhibition Centre hotels, a part of the same complex as the conference centre. www.holidayinn.com

Accommodation:

Holiday Inn Express: Singel occupancy bed and breakfast £95 per night.

Holiday Inn Aberdeen Exhibition Centre: Singel occupancy bed and full Scottish breakfast £95 per night.

This is payable directly to the hotel upon departure.

SOSIAL ARRANGEMENTS / SOSIAL PROGRAM

Monday April 23rd

16:00 Whisky tasting at Holiday Inn Express

20:00 Get together at Holiday Inn Express

Tuesday April 24th

18:30 Bus from Holiday Inn Aberdeen Exhibition Centre hotels

19:00 Aperitif at Marcliffe Hotel

19:30 Dinner at Marcliffe Hotel

Master of Ceremonies: Mr. Peter Mitchell, UK

23:00 Bus transport back to Holiday Inn AECC



Marcliffe Hotel

Registration by: March 25th 2018

Online booking and registration: www.liftingoffshore.com

Conference website: www.liftingoffshore.com

Avsender: Tekniske Foreningers Servicekontor AS, postboks 73, NO-1325 Lysaker

Thank you for the support to:

LIEBHERR



Norwegian Society
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Exhibitors:



James Walker

