

The 17th North Sea

# OFFSHORE CRANES & LIFTING CONFERENCE

24th - 26th April 2012,

The Aberdeen Exhibition & Conference Centre, Aberdeen, UK

[www.liftingoffshore.com](http://www.liftingoffshore.com)



Norwegian Society  
Of Lifting Technology



DANISH  
ENERGY  
AGENCY



O · M · H · E · C  
Offshore Mechanical Handling Equipment Committee



PETROLEUM SAFETY AUTHORITY  
NORWAY



State Supervision of Mines  
Ministry of Economic Affairs, Agriculture and  
Innovation

# WELCOME TO THE 17<sup>TH</sup> NORTH SEA OFFSHORE CRANES & 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 North Sea Offshore Cranes & Lifting Conference.

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 Crane Expo area.



Photo: Sleipnir logistics inc.

## Why you need to attend "The 17<sup>th</sup> NSOCLC in Aberdeen, UK 24<sup>th</sup> - 26<sup>th</sup> April 2012"

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, endusers, 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 17th North Sea 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 an 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

## Tuesday 24th April

*Morning session Chairman: Mr. Svein Anders Eriksson, Petroleum Safety Authority, Norway*

**08.00 Registration / Coffee / Exhibition**

**09.30 Welcoming Remarks**

*Mr. Svein Anders Eriksson, Section head, Petroleum Safety Authority, N*

**09.40 Welcome to Aberdeen!**

**Opening Address**

*Mr. Steven Walker, Head of HSE Offshore Division, UK*

### REGULATORY / SAFETY

**10.00 HSE focus**

*Mr. Colin Martin, Health and Safety Executive, HSE, UK*

**10.30 PSA focus**

*Mr. Svein Anders Eriksson, Section head, Petroleum Safety Authority, N*

**11.15 Coffee Break / Exhibition**

**11.45 OMEC Update and SSM focus**

*Mr. Arnold V. de Groot, Inspector Operations, State Supervision of Mines SSM, NL & Chairman of OMECH, NL*

**12.30 Lunch / Exhibition**

*Afternoon session Chairman: Mr. John Morrison, Enermech Ltd., UK*

### LIFTING OPERATIONS AND LIFTING PLANNING

**13.30 Planning and Execution of Complex Jacking, Skidding and Lifting Operation in a Restricted Offshore Environment**

- The background to the project
- The challenges identified
- Solution, concept and development
- Planning / preparation / pre mobilisation rehearsal (onshore)
- Issues / problems identified during the onshore rehearsal
- Rectification

*Mr. Gordon McCombie, Business consultant, Sparrows, UK*

**14.00 The design of the optimal crane operators working environment in respect to safety, size and man machine interfaces – a vision for 2015**

- Crane design for operation – optimal design
- Reasons for operators elsewhere?

*Mr. Eugen Schobesberger, Division Manager Engineering Ship and Offshore Cranes, and Dr. Reinhard Krappinger, Managing Director Liebherr, A*

**14.45 Coffee Break / Exhibition**

**15.15 Some experiences and challenges as seen from a crane operator's point of view**

- Crane operator's role and responsibilities.
- Who provides support and leadership to perform safe lifting operations?
- How to be in compliance with applicable requirements?

*Mr. Kåre Hansen, Operational contact, Crane & Lifting operations, Statoil, Norway, N*

### STANDARDS

**15.45 The revision of R-002**

- Status for the revision of Norsok R-002 Lifting Equipment
- Mr. Stein Ove Dyngeland, Leading Operations Advisor Crane & Lift, Statoil, N*

**16.30 End of Day 1**

### SOCIAL ARRANGEMENT

Change into kilts

**18.15 Bus transport from AECC to Haddo House**

**19.00 Scottish Conference Dinner & Entertainment at Haddo House**

*Master of ceremonies: Mr. Peter Mitchell, UK*

**23.00 Bus transport to AECC from Haddo House**

## Wednesday 25th April

*Morning session Chairman: Mr. Colin Martin, Health and Safety Executive, HSE, UK*

### NEW TECHNOLOGY

**08.30 All-electrical Active Heave Compensated Winches with Power Regeneration**

- Lower electric power supply capacity from ship necessary in AHC mode
- Better overall efficiency
- Less installation costs
- Less maintenance
- Less noise and vibration
- Better AHC and Constant Tension control
- Less weight of EPU and flywheel
- Shorter startup time.

*Mr. Kaare Tommy Talberg, Product Line Director, Lifting and Handling Solutions, National Oilwell Varco, N*

**09.00 Future opportunities for improved safety and bottom line**

- Safety system based on sensor technology for accurate heave and set-down of lifts

*Mr. Edward May, General Manager / Mr. Paul Kjolseth, Chief Engineer, i4o International LLC, N*

# PROGRAM

## 09.30 EN13852-1 Upgrade of API2C Deck Cranes for obtaining AoC

- Background and methodology
- Scope of Work
- Compliance Verification

*Mr. Morten Møller Pedersen, Project Manager, Maersk Drilling, DK*

## 10.15 Coffee Break / Exhibition

## 10.45 Novel Applications for Passive Heave Compensators & Shock Absorbers

- Passive Heave Compensators - proven benefits
- Lifting scenarios, e.g. landing load and holding the load

*Mr. Aksel L. Andreassen, Projects & Operations Director, Norwegian Offshore Lifting Technologies AS, N*

## 11.15 New Recommended Practice for Cranes and Lifting Appliances intended for Subsea Lifting Operations (JIP project)

- One of the solutions for the growing energy demand is deep water oil- and gas field exploitation
- Such development introduces several technological challenges, among them – ensuring safe execution of subsea lifting operations
- Today's rules/regulations/standards do not sufficiently cover the challenges involved in subsea lifting operations

*Mr. Robert A. Oftedal, Business Development Leader within Cranes & Lifting Appliances, Det Norske Veritas, N*

## MAINTENANCE & INSPECTION

## 11.45 Reliability Centred Maintenance (RCM) - A pragmatic approach to improve crane reliability

- The RCM Process
- Benefits
- Lack of data and current sources of empirical data
- Gauge if there is industry interest in pooling data from different sources or sharing data where no data exists in OREDA database.

*Mr. Graeme Massie, Technical Resources Manager, EnerMech Ltd, UK*

## 12.30 Lunch / Exhibition

## INTEGRITY MANAGEMENT

*Session Chairman: Mr. Steve Wehrle, Lloyds Register, UK*

## 13.30 Risk and Reliability Based Approach to Crane Integrity Management including application of Acoustic Emission

- Inspection services for lifting equipment and structures
- Engineering support services for cranes & lifting equipment, structures, handling and specialized equipment.

*Mr. Jim Bentley, Imes, UK*

## 14.00 Integrity Management of cranes and drilling facilities

- Building inspection handbooks and importance of baseline inspections
- Performance – raising availability and safety by high competent field engineers
- Continuous improvement

*Mr. Gunnar Gjeldvik, Marketing and Development Director – NMD Offshore Crane Competent Person- Aress AS, UK*

## LIFTING ROPES

## 14.30 Non-destructive Wire Rope Inspection – Detection and Quantitative Characterization of External and Internal Pitting and Broken Wire Clusters

- Modern wire ropes have a tendency to deteriorate internally, which makes visual inspections ineffective. Moreover, the reliability and effectiveness of present electromagnetic (EM) non-destructive test methods and practices leave a lot to be desired.

*Dr. Herbert R. Weischedel, CEO/President NDT Technologies, Inc, US*

## 15.00 Proper Use of High Performance Fiber Rope Slings

- As Offshore operations move into deep water and payloads become larger
- One area for weight is in the rigging itself

*Mr. Robin Collet, Sales-Offshore Energy, Samson, US*

## 15.30 Coffee Break / Exhibition

## 16.00 The development of a spooling pattern for deep water Fibre Rope Winches

- Development of an innovative spooling profile
- Usage of proven drum winch technology
- Deepwater capacity
- Benefits and usage

*Mr. Andrew Crawford, Deep Tek, UK*

## 16.30 Deterioration mechanisms in wire ropes as depends on loading cycle, application, installation conditions and rope cross section

- Rotation combined with tension
- Fatigue testing
- Spin and non spin ropes
- Deterioration under rotation and tension
- Degradations mechanisms
- Discard criteria
- Magnetic rope testing

*Dr. Ronen Ashkenazi, M.R.E. Matron Rope & Wire Rope Engineering LTD/ Prof. Menachem P. Weiss, Faculty of Mechanical Engineering, Technion, Israel Institute of Technology, ISR*

# PROGRAM

## PERSONNEL TRANSFER AND EVACUATION

- 17.00 Crane transfer – Usage is rising and risks are falling**
- How best practice and the latest technology are changing the game
- Mr. Philip Strong, Managing director and CO-Founder, Reflex Marine Ltd , UK*
- 17.30 OMHEC: Lifting of Personnel Offshore**
- Background into requirement for new guidance
  - Overview of proposed works
  - Overview and progress of "Chapter 1": Transfer between Installation and Vessel
  - Future Publications
- Mr. Kevin Murdoch, OMHEC Vice-Chairman, UK*
- 18.00 End of Day 2**
- 21.00 Soul Bar night cap.**

Thursday 26th April

## MATERIAL AND CARGO HANDLING IN THE DRILLING AREA

*Session Chairman: Mr. Kevin Murdoch, Transocean, UK*

- 08.30 Safe Material Handling – trend analysis from investigations from accidents and incidents related to offshore cranes, lifting equipment in drilling modules and other lifting equipment**
- Mr. Svein Anders Eriksson, Section head / Mr. Jan Ketil Moberg, Principal Engineer, Petroleum Safety Authority, N*

- 09.15 Coffee Break / Exhibition (Checking out)**

## HUMAN FACTORS AND TRAINING

- 09.45 Advantages of today`s simulators.**

- How we use our simulators?
- Achievements
- Trends and goals

*Mr. Robert Rylander, Project Manager Maritime Operations, Aalesund University College, N*

- 10.30 New OPITO Training Standard for Offshore Crane Operators**

- Introduction
- Who are involved – the industry work group
- Structure of the training standard (Stg 1,2 & 3)
- Feedback from pilot courses

*Mr. Mike Carr, Standards & Development, OPITO, UK*

- 11.00 Lifting in the drilling area**

- An overview of incidents and recurring findings in regulatory audits
- The development of the OPTIO LOLER Competent Person Standard
- The introduction of the Transocean Lifting Supervisor to the North Sea
- Benefits and long term goals

*Mr. Steve Lawrence, Transocean lifting Supervisor Focal Point, UK*

- 11.30 Lunch / Exhibition**

## HEAVY LFTING

*Session Chairman: Mr. Tor Inge Hystad, Statoil, N*

- 12.30 Is the estimated SWH still the right criterion for the selection of the rated capacity during an offshore lift?**

- Rules and regulations related to calculation of SWL
  - Other dimension criteria's- e.g. crane movement and deck velocities
  - Validity of operation procedures and new approaches
- Mr. Andreas Kopf, Head of Global After Sales Service, Liebherr, A*

- 13.00 Design of Floating Lifting Appliances for Offshore use**

- Replacement and upgrade of lifting appliance on the Sheerlegs 'Cormorant'; Basic Design for the "Rambiz 2".
- Vuyk Engineering Rotterdam provides designs for ships and equipment, Marine Operations, General consultancy and building supervision.

*M. Sc. Mr. Willem Janse, VUYK Engineering Rotterdam, NL*

- 13.30 Windfarm Installation Barge – a novel approach to installing foundations in offshore wind**

- Innovative vessel for installing offshore wind foundations
- Catamaran shaped hull with tilting frame for transport and installation
- Vessel with low CAPEX and OPEX for lowering the unit cost per installed foundation

*Mr. Paal Strømstad, Managing Director of Ingenium Ventus AS, N*

- 14.15 Closing / Adjourn**

*Mr. Svein Anders Eriksson, Section head , Petroleum Safety Authority, N*

- 14.30 Bus transport to airport**

*This program may be subject to change due to circumstances beyond the control of the organiser of this conference.*

# SOCIAL ARRANGEMENTS / SOCIAL PROGRAM



## Monday 23<sup>th</sup> April 2012

15.00 Whisky distillery tour. Visiting Fettercairn distillery for tasting, buying and tour.

20:00: **Get together** at Holiday Inn Express AECC



## Tuesday 24<sup>th</sup> April 2012

### Conference dinner:

18.15 Bus from AECC to Haddo House

19.00 Conference dinner with a taste of Scotland  
Peter Mitchell will be the Master of Ceremonies

23.00 Bus back to AECC and City Centre



## Wednesday 25<sup>th</sup> April 2012

### The evening free.

21.00 Soul Bar

Some snack, drink and good company

## GENERAL INFORMATION

**Conference no.:** 1220100

**Time:** 24th - 26th April 2012

**Place:** The Aberdeen Exhibition & Conference Centre,  
Aberdeen, UK

### Conference Committee:

- Mr. Svein Anders Eriksson, *Petroleum Safety Authority, NO*
- Mr. Kevin Murdoch, *Transocean, UK*
- Mr. Tor Inge Hystad, *Statoil, NO*
- Mr. Arnold de Groot, *State Supervision of Mines, NL*
- Mr. Colin Martin, *HSE, UK*
- Mr. Jan-Ketil Moberg, *Petroleum safety Auuthority, N*
- Mr. John Morrison, *EnerMech, UK*
- Mr. Steve Wehrle, *Lloyd's Register of Shipping, UK*
- Mrs. Anne Line Rosenlund, *Norwegian Society of Lifting Technology, NO*

### Conference Fees:

- Participants: NOK 9.900,- excl. VAT
- Early reg.: NOK 9.300, - excl. VAT (15<sup>th</sup> March)
- Single day registration: NOK 4.200,- excl. VAT
- Lecturers: NOK 5.200, - excl. VAT
- Co-authors: NOK 7.500, - excl. VAT
- Sponsorship: NOK 15.000,- excl. VAT
- Exhibitor: NOK 15.000, - excl. VAT (lunch and social activities in addition)
- Daytime packages includes lunch and refreshments NOK 550, - /day excl. VAT

### In addition / Options:

Whisky Tour, 23th April: Free

Get together 23th April NOK 200,- excl. VAT

Conference dinner 24th April NOK 900,- excl. VAT

Kilt Hire GBP 90,- excl. VAT

Soul Bar, Night Cap, 25th April: NOK 200,- excl. VAT

# GENERAL INFORMATION AND REGISTRATION

## Accommodation:

Holiday Inn Aberdeen Exhibition Centre:  
GBP 145,- pr. night, incl. breakfast  
Holiday Inn Express Aberdeen Exhibition Centre:  
GBP 135,- pr. night, incl. breakfast  
Holiday Inn Aberdeen City Centre:  
GBP 135,- pr. night incl. breakfast

## Payment:

The Registration fee, conference packages and Conference Dinner will be payable to NSLT.

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 Wednesday 17. April 2012. 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.

## Location / 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 NSOCLC 2012 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](http://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](http://www.holidayinn.com)

## Registration office:

The Norwegian Society of Lifting Technology, NSLT  
Ms. Anne Line Rosenlund  
P.O. Box 73, N-1325 Lysaker, Norway  
Phone: + 47 67 52 60 12  
Fax: + 47 67 52 60 11  
e-mail: [anne.line@tfsk.no](mailto:anne.line@tfsk.no)

## REGISTRATION

Registration by: 29<sup>th</sup> March 2012  
Online registration: [www.ktf.no](http://www.ktf.no)

## 1220100 The 17<sup>th</sup> North Sea Offshore Cranes & Lifting Conference

(PLEASE USE CAPITAL LETTERS)

Name: ..... Company:.....

Address: .....

Postcode: .....Country: .....

E-mail:..... Telephone:.....

### PLEASE REGISTER ME FOR THE FOLLOWING OPTIONS:

Full-time conference

Register for one-day only  April 24<sup>th</sup>  April 25<sup>th</sup>  April 26<sup>th</sup>, NOK 4.200,-/day excl. VAT + daytime package

Whisky tour, Monday (Free)  Get together, Monday (NOK 200, - excl. VAT)

Conference dinner, Tuesday (NOK 900, - excl. VAT)

Kilt Hire GBP 90,- excl. VAT  Soul Bar Wednesday (NOK 200, - excl. VAT)

Bus to the airport, Thursday (Free)

**HOTEL:**  Holiday Inn Aberdeen Exhibition Centre: GBP 145,- pr. night, incl. breakfast

Holiday Inn Express Aberdeen Exhibition Centre: GBP 135,- pr. night, incl. breakfast

Holiday Inn Aberdeen City Centre: GBP 135,- pr. night incl. breakfast

arrival date ..... departure date.....

**PAYMENT:**  I prefer on-site payment with credit card, see general information (above).

Date: ..... Signature: .....



Returadresse:  
Tekniske Foreningers Servicekontor  
Postboks 73, No-1325 Lysaker



NORGE P.P. PORTO BETALT

## Registration by: March 29<sup>th</sup> 2012

Online registration: [www.ktf.no](http://www.ktf.no)  
Conference website: [www.liftingoffshore.com](http://www.liftingoffshore.com)

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