The 18th North Sea
OFFSHORE CRANES & LIFTING CONFERENCE
23rd - 25th April 2013, Stavanger Forum, Stavanger, Norway

www.liftingoffshore.com
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.

Why you need to attend “The 18th NSOCLC in Stavanger, N - 23rd - 25th April 2013”

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 18th 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.
**Tuesday 23rd April**

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08.00</td>
<td>Registration / Coffee / Exhibition</td>
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<tr>
<td>09.30</td>
<td>Welcoming Remarks</td>
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<tr>
<td></td>
<td>Svein Anders Eriksson, Section head, Petroleum Safety Authority, NO</td>
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<tr>
<td>09.40</td>
<td>Welcome to Stavanger!</td>
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<td></td>
<td>Opening Address</td>
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<tr>
<td></td>
<td>Øyvind Tuntland, Director of Professional Competence, Petroleum Safety Authority, NO</td>
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<tr>
<td>10.00</td>
<td><strong>REGULATORY / SAFETY</strong></td>
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<td>10.00</td>
<td>PSA focus</td>
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<td></td>
<td>Svein Anders Eriksson, Section head, Petroleum Safety Authority, NO</td>
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<tr>
<td>10.30</td>
<td>HSE focus</td>
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<tr>
<td></td>
<td>Colin Martin, Health and Safety Executive, HSE, UK</td>
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<tr>
<td>11.15</td>
<td>Coffee Break / Exhibition</td>
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<tr>
<td>11.45</td>
<td>OMEC Update and SSM focus</td>
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<td></td>
<td>Arnold V. de Groot, Chairman of OMECH &amp; Inspector Operations, State Supervision of Mines SSM, NL</td>
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<tr>
<td>12.30</td>
<td>Lunch / Exhibition</td>
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**Afternoon session Chairman: Mr. John Morrison, Crane and Lifting Director, Enermech Ltd., UK**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>13.30</td>
<td>Operating Offshore Cranes - Norway</td>
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<tr>
<td></td>
<td>• Planning</td>
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<td></td>
<td>• Evaluating Risk</td>
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<td>Paul Landry, Crane operator, Transocean Offshore, NO</td>
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<tr>
<td>14.00</td>
<td>Hazard Awarness of Offshore Deck Crew &amp; Loadhandling Staff during Routine in-board Deck Lifting Operations</td>
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<td>• Accidents involving routine-in-board deck operations account for 60% of all lifting incidents notified to the Regulatory Authorities in the United Kingdom Continental Shelf (UKCS) and 75% of those Worldwide</td>
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<td>• Human factors Research in related areas</td>
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<td>Andrea Louise De Cort, Health &amp; Safety Executive, HSE, UK</td>
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<tr>
<td>14.45</td>
<td>Coffee Break / Exhibition</td>
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<tr>
<td>15.15</td>
<td>Safe lifting operations in the petroleum industry</td>
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<tr>
<td></td>
<td>• What is the Safe Lifting Operation?</td>
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<td></td>
<td>• Success criteria for achieving a Safe Lifting Operation</td>
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<td>Jostein Tverdal, BSc. Manager and Magnus Gabrielsen, MSc, Discipline Lead, Axess, NO</td>
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<tr>
<td>15.45</td>
<td>Case Study of Dropped Load Incident</td>
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<td>• Management of ageing assets</td>
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<td>• Inspection processes need to change throughout the life of the crane</td>
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<td>Richard Bevan, EnerMech Ltd, UK</td>
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<tr>
<td>16.30</td>
<td>Visioneering the combination of visualisation technology and engineering to best predict reality</td>
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<td>• The methodology of utilising Visioneering</td>
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<td>• Visioneering as a successful risk management tool in the Visund lifeboat project</td>
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<td></td>
<td>Terje Fadnes, VP Visioneering, Aker Solution MMO, NO</td>
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<tr>
<td>17.00</td>
<td>End of Day 1</td>
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**SOCIAL ARRANGEMENT**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>18.00</td>
<td>Bus transport from Stavanger Forum to harbor</td>
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<tr>
<td>18.15</td>
<td>Boat trip and dinner at Lysefjordsentret</td>
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<td>Master of ceremonies: Peter Mitchell, UK</td>
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<tr>
<td>22.30</td>
<td>Boat back to Stavanger and bus to Rica Forum</td>
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### Wednesday 24th April

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

### LIFTING OPERATIONS, TRAINING AND PLANNING

**08.30**

**Training of offshore crane operators**
- GS Crane operator training
- Crane and lifting apprentice

*Torstein Solheim, Manager, Rogaland Kranskole, NO*

### HEAVY LIFTING

**09.15**

**Operations of Extreme loads with integrated hydrodynamics**
- Operational aspect of simulation of offshore heavy lifting

*Nel Bovens, Manager, Marin, NL*

**10.00**

**Coffee Break / Exhibition**

**10.30**

**Dynamics of offshore lifts using monohull heavy-lift vessel**
- Splash zone dynamics and reduction of dynamics using dual crane angled lift
- Application of DNV-RP-H103 for an angled lift
- Resonance during deep water lifting
- Applications of passive heave compensation during various phases of offshore lifts
- Time domain analysis including coupled dynamics of vessel and lifted structure

*Jasper van den Broek-de Bruijn, Ship Motion Analyst, Jumbo Offshore, NL*

### LIFTING ROPES

**11.15**

**Non-Destructive Magnetic Rope Testing of Compacted Ropes**
- The compacting process leads to a displacement of the cross-section area in compared to uncompacted ropes
- A reduction in diameter therefore has more effect on the reduction of breaking load, which must be considered in the assessment

*Oliver Gronau-DMT GmbH & Co. KG, D*

**12.00**

Lunch / Exhibition

**13.00**

**Guidelines for use and care of high performance fiber lifting slings**
- Fiber sling inspection, care and maintenance
- Rigging with high performance fiber slings

*Jeff Susman, President Slingmax Rigging Solutions, US*

**13.45**

**Contributions of Rope Design on Safety in Offshore Lifting Activities**
- How rope design affects maintenance efforts and crane safety
- Case studies will show how measures taken by the rope manufacturer will influence the occurrence of related phenomena later in the field

*Robert Traxl, Head of R&D / Wirerope, Teufelberg, A*

**14.30**

Coffee Break / Exhibition

**15.00**

**Development of rope design for high capacity offshore lifting & lowering**
- Application demands for multilayer spooling
- Bend fatigue performance

*Sara Fletcher, Technical Development Manager, Bridon International Ltd, UK*

### SUBSEA

**15.45**

**Which parameters optimize subsea passive heave compensators?**
- How to find the parameters that are most important in subsea lifts
- How to describe the problem mathematically

*Arne Totland, Chairman of the board, Safelink, NO*

### WINDFARM

**16.30**

**Reported incidents as basis for evaluating potential for major accidents from lifting activity**

*Anastasia Virnovskaia, Scandpower AS, NO*

**17.00**

End of Day 2

### SOCIAL ARRANGEMENT

**18.30-20.00**

Oil museum
### Thursday 25th April

**Session Chairman:** Mr. Tor Inge Hystad, Prin Eng Operation Crane & Lift, Statoil, NO

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
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</table>
| 08.30 | Fatigue Analyses of the Offshore Cranes in the North Sea Area               | - Theoretical background  
- Structural Analysis  
Stuart Smith, Design Services Manager, Sparrows Group, UK                                                                 |
| 09.15 | Verification, planning and Documentation of safe material handling according to Norsok standards | - Better HSE when using the material Handling Plan in daily operation  
- Helping clients to fulfill NORSOK R-003 and R-002 requirements and it SUT process  
Arne Litler, VP Engineering Solutions and Jan Erik Devold, Material Handling Specialist, Axess, NO |
| 10.00 | Coffee Break / Exhibition (Checking out)                                    |                                                                                                                                             |
| 10.30 | EN 13852 - Offshore Crane                                                   | Svein Harald Hetland, Technical Authority, Lifting, BP Norway, NO                                                                            |
| 11.00 | NORSOK R-002 Lifting Equipment and NORSOK R-003                             | Stein Ove Dyngeland, Leading Advisor Operation Cranes & Lifting, Statoil, NO                                                                      |
| 11.45 | Lunch / Exhibition                                                          |                                                                                                                                             |
| 12.45 | Paradigm Change in North Sea Personnel Transfer                             | - There is growing need for alternatives to helicopter transfer in North Sea  
Robin Proctor, Business Manager, Reflex Marine, UK                                                                 |
| 13.15 | Forces experienced by winch drums and reels systems as a function of rope characteristics and varying line pull – a theoretical study. | Marius Popa, Principal Engineer, DNV Aberdeen Approval Centre, UK                                                                 |
| 13.45 | Offshore Installation of lifeboats - Lifting and Marine Operations          | - New methods and technology have been developed to make all years installation of lifeboats possible  
- Balancing technical and operational safety requirements has been deemed necessary  
William D. Stinessen, Odfjell Drilling Technology, NO |
| 14.15 | Closing / Adjourn                                                           | Svein Anders Eriksson, Section head, Petroleum Safety Authority, NO                                                                               |
| 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. |
Monday 22<sup>nd</sup> April 2013
15.00 Tour in old and new Stavanger with guide.
20.00 Get together at Rica Forum Hotel

Tuesday 23<sup>rd</sup> April 2013
Conference dinner:
18.00 Bus transport from Stavanger Forum to harbor.
   Boat trip with an aperitif.
19.00 Dinner at Lysefjordsentret
   Peter Mitchell will be the Master of Ceremonies.
23.00 Boat back to Stavanger and bus back to Rica Forum

Wednesday 24<sup>th</sup> April 2013
18.30 Visiting Oil museum.
20.00

GENERAL INFORMATION

Conference no.: 1320100
Time: 23rd - 25th April 2013
Place: Stavanger Forum, Stavanger, Norway

Conference Committee:
- Mr. Svein Anders Eriksson, Petroleum Safety Authority, NO
- 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 Authority, NL
- Mr. John Morrison, EnerMech, UK
- Mr. Steve Wehrle, Lloyd's Register, UK
- Mrs. Anne Line Rosenlund, Norwegian Society of Lifting Technology, NO

Conference Fees:
- Participants: NOK 10.500,- excl. VAT
- Early reg.: NOK 9.900, - excl. VAT (15<sup>th</sup> March)
- Single day registration: NOK 4.800,- excl. VAT
- Lecturers: NOK 5.200, - excl. VAT
- Co-authors: NOK 8.500, - excl. VAT
- Sponsorship: NOK 18.000,- excl. VAT
- Exhibitor: NOK 18.000, - excl. VAT
- Daytime packages includes lunch and refreshments NOK 550, - /day excl. VAT

In addition / Options:
Old Stavanger, 22nd April: Free
Get together 22nd April NOK 300,- excl. VAT
Conference dinner 23rd April NOK 950,- excl. VAT
Oil Museum 24th April: NOK 150,- excl. VAT
GENERAL INFORMATION AND REGISTRATION

Accommodation:
Rica Forum Hotel: NOK 1495,- pr. night
Clarion Hotel Stavanger: NOK 1595,- pr. night
Comfort Hotel Square: NOK 1659,- pr. night

Payment:
The Registration fee, conference packages and Social activities 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 Tuesday 16th April 2013. 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:
Stavanger Forum is one of Norway’s few conference and exhibition centres, able to offer 25 meeting rooms. The Rica Forum Hotel, with 182 rooms, is part of the same complex as our conference centre, and we cooperate with all the hotels in the region.
http://www.stavanger-forum.no

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

REGISTRATION

1320100 The 18th 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 23rd ☐ April 24th ☐ April 25th, NOK 4.800,-/day excl. VAT + daytime package
☐ Old Stavanger tour, Monday (Free) ☐ Get together, Monday (NOK 300, - excl. VAT)
☐ Conference dinner, Tuesday (NOK 950, - excl. VAT)
☐ Oil museum, Wednesday (NOK 200, - excl. VAT)
☐ Bus to the airport, Thursday (Free)

HOTEL: ☐ Rica Forum Hotel: NOK 1495,- pr. night, incl. breakfast
☐ Clarion Hotel Stavanger: NOK 1595,- pr. night, incl. breakfast
☐ Comfort Hotel Square: NOK 1659,- pr. night, incl. breakfast
arrival date ..................................................... departure date .....................................................

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

Date: ................................ Signature: .................................................................
Thank you for the support to:

Exhibitors: