



**IADC**<sup>TM</sup>  
CELEBRATING  
75 YEARS  
1940-2015

23-24 SEPTEMBER 2015  
NH GRAND HOTEL KRASNAPOLSKY • AMSTERDAM

# IADC Drilling HSE&T Europe

CONFERENCE & EXHIBITION



“LEARNING  
FROM  
OTHERS”

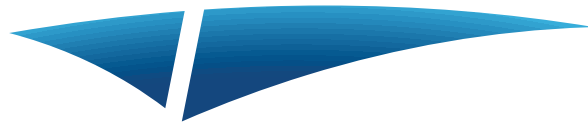
SILVER



**PARAGON**  
OFFSHORE

Event Sponsor

**ENSCO**



Endorsed by



Danish Working  
Environment Authority



State Supervision of Mines  
Ministry of Economic Affairs

**HSE LIFE UNIO**

The National Oil&Gas industry standard for professionals

**NOGEP**A  
NETHERLANDS OIL AND GAS EXPLORATION AND PRODUCTION ASSOCIATION



PETROLEUM SAFETY AUTHORITY  
NORWAY

Highlighted Speakers from Other Industries



**07.00** Conference Registration, Coffee Service & Open Exhibition  
*Winter Garden & Volmer Rooms*

---

**08.30** Welcome, Introduction & Safety Briefing  
**Stephen A. Colville, President & CEO, IADC**  
*Grand Ball Room*

---

**08.40** Keynote Presentation  
**Claus Hemmingsen, CEO, Maersk Drilling**

---

**09.00** Human Factors  
**Session Chair: Bent Nielsen, Head of HSE, Maersk Drilling**

**U.S. Navy Nuclear Power Program: A Roadmap for the Next Generation Oil and Gas Fleet** Owen Honors, Client Manager, Check-6

*Owen Honors, a former nuclear powered aircraft carrier Commanding Officer and graduate of the Navy's Nuclear Power School, retraces the technical and cultural evolution of the Navy's program and shares how its core tenets – the Pillars of Naval Nuclear Power – have enabled success in critical areas where many other high reliability organizations have lagged or failed. His presentation offers recommendations on how the oil and gas fleet can benefit from the Navy Nuclear Power Program's lessons learned and best practices.*

**Cognitive Biases in Incident Analyses** Julia Burggraaf, Product Manager, CGE Risk Management Solutions, Jop Groeneweg, University of Leiden

*In 1972, Kahneman and Tversky already showed that different people make the same errors in thinking and called these systematic errors 'cognitive biases'. Incident analysis reports of a consultancy agency and the Dutch Safety Board (OV) have been investigated on the presence of cognitive biases. The most commonly identified biases were the outcome bias, hindsight bias and curse of knowledge. This presentation will clarify what cognitive biases are, why they can be found in incident analysis reports, what causes their presence and how the specific biases can be recognized to prevent making them and to increase learning from incidents.*

---

**10.00** Networking Break & Open Exhibition  
*Winter Garden & Volmer Rooms*

---

**10.30** Panel Discussion: Human Factors  
**Moderator: Bob Kilford, Group Head of Health, Safety, Security & Environment, KCA DEUTAG**

*In a number of industries the failure of an individual or group of people to act as intended can have catastrophic consequences. In this session the panel members describe how they have tackled the people aspect of achieving good safety with particular emphasis on leadership and learning from past incidents. The panel represents views from within the industry, with some comparison to other organisations, and a regulators perspective.*

- **John Karish**, Corporate Director – Safety, Health & Environment, EnSCO plc
- **Tom Meldrum**, Organizational Learning Lead, Global Wells Organization, BP
- **Jorunn Elise Tharaldsen**, Head of Occupational Health and Safety, Petroleum Safety Authority Norway

**11.30** Regulatory Update  
**Session Chair: Øyvind Tuntland, Director for Professional Competence, Petroleum Safety Authority Norway**

*Dr. Jörg Köhli, Team Leader: Safety of Offshore Oil and Gas Operations, European Commission, Directorate General Energy*

*The regulatory framework on the EU level, which is relevant for the offshore industry will be presented. The Offshore Safety Directive and the ongoing implementation by Member States, Implementing of Regulations on accident reporting, Planned Guidance on accident reporting, Commission Decision on the European Offshore Authorities Group and Hydrocarbons Directive will be highlighted.*

---

**12.00** Luncheon & Open Exhibition  
**Sponsored by: EnSCO plc**  
*Amsterdam Room & Foyer*

---

**13.30** Learning from Aviation Industry  
**Session Chair: Peter Zonjee, Manager Safety – WELLS Operated, Shell WELLS DROPS Manager, Shell International**

**KLM Experiences in Safety Management** Michiel van Dorst, Executive Vice President Flight Operations, Postholder Flight Operations & Crew Training, Royal Dutch Airlines (KLM)

*Michiel van Dorst, Executive Vice President Flight Operations and Postholder Flight Operations & Crew Training with KLM and Captain Boeing 737, is responsible for an integrated Flight Operations policy, including realization of the flight operations schedule, with an emphasis on safety, quality, staff, air traffic management, strategy and costs. Since July 2013 Van Dorst is member of the International Airport Transport Association (IATA) Operations Committee. He was a member of the Aircraft Tracking Task Force (ATTF) that was established by IATA in April 2014 following the disappearance of MH370, in order to develop recommendations to improve global flight tracking. Van Dorst will share experiences from KLM Royal Dutch Airlines in Safety Management with the Oil & Gas Industry.*

---

**14.30** From Military to Wells  
**Session Chair: Jens Hoffmark, Regional Vice President – European Operations, IADC**

**Learning from Others** Justin Hughes, Managing Director, Mission Excellence Ltd

*One of the most powerful lessons which might be learnt from other environments is how to optimise the learning process itself. Military aviation places a significant premium on the ability to debrief or learn from experience and then apply that learning such that it is 'operationalised' immediately. In this session, Justin Hughes conducts a case study of the debriefing process of the UK RAF aerobatic team, the Red Arrows. The session includes video footage of the team debriefing and examines 3 key elements: behaviour, process and knowledge management in addition to reviewing application to oil and gas operations.*

**Integrating Human Factors into Team-Based Scenario Well Control Training** Ivo Nijhuis, Director, George Galloway, Erik Lely, The Well Academy

*Human behaviour, not equipment failure, has often been the cause of high profile well control incidents. To date however, emphasis in well control training is still predominantly technical. The Well Academy has been delivering Scenario Well Control incorporating Human Factors since 2012. The program combines team-based scenario exercises with the principals of Crew Resource Management (CRM), developed with and*

co-delivered by CRM experts from the aviation and medical industry. It enables delegates to better understand human behaviours in critical situations and enables them to instinctively apply non-technical skills into their daily work routine.

---

**15.30**      **Networking Break & Open Exhibition**

Winter Garden & Volmer Rooms

---

**16.00**      **Learning from Experience**

**Session Chair: John Karish, Director – Safety, Health & Environment, Enso plc**

**Learning From Success** Stian Antonsen, Research Director, SINTEF, Per Frostholt Larsen, Health & Safety Director, Maersk Drilling

*SINTEF and Maersk Drilling are collaborating on a research project on learning from successful operations, funded by the Norwegian Research Council. We will present some of this research, as well as the practical experience with learning from success in Maersk Drilling. We will describe key challenges related to learning from success, how these challenges could be overcome, and how the knowledge from this project can be translated into guidelines and tools that can be used by practitioners (e.g. in incident investigations, debriefing and training activities).*

**Hindsight and Local Rationality in Well Control Events** John Thorogood, Drilling Engineering Advisor, Drilling Global Consultant LLP

*There are some events where the conclusion is that “the crew simply didn't see it coming”. Investigating these incidents is particularly hard because it is difficult to understand why the indications, so obvious afterwards, were not picked up by the people at the time. Some well control events, including Bardolino, Macondo and others for which reports are publically available are used to show that this lack of awareness is not uncommon. The presentation will consider what options might be available at an organisational and individual level to help overcome this difficulty and implications for well control training.*

---

**17.00-18.00**      **Welcoming Reception & Open Exhibition**

Winter Garden & Volmer Rooms

---

**THURSDAY, 24 SEPTEMBER 2015**

**07.30**      **Conference Registration, Coffee Service & Open Exhibition**

Winter Garden & Volmer Rooms

---

**08.30**      **Welcome, Introduction & Safety Briefing**

**Stephen A. Colville, President & CEO, IADC**  
Grand Ball Room

---

**08.40**      **Keynote Presentation**

**Katrine Krone, Head of Section, Danish Working Environment Authority**

---

**09.00**      **Learning from the Fast Lane – Formula One**

**Session Chair: Bram Leerdam, HSE&Q Manager, Paragon Offshore**

Mark Gallagher, Professional Conference Speaker on business lessons from F1; Author 'The Business of Winning' Founder Status Grand Prix

*Having worked at the forefront of the Formula One motor racing industry for 30 years, holding executive roles at Jordan Grand Prix, Red Bull Racing and Cosworth, Mark Gallagher delivers inspirational speeches and business insights for companies eager to learn from this fascinating sport. Formula One™ requires competitors to develop world-class team work, seamless collaboration with key partners and an unwavering focus on delivery. The team work starts months, sometimes years, before the race; from factory-based staff working with key suppliers to design, manufacture and develop a Formula One car featuring leading edge, aerospace technology, right through to the pit crew at the race track tasked with changing all four wheels during a three second pit stop.*

---

**10.00**      **Networking Break & Open Exhibition**

Winter Garden & Volmer Rooms

---

**10.30**      **Panel Discussion: Process Safety: Effective Barriers – How Do You Know?**

**Session Chair: Gary Kelso, Wells Operating Authority, BP**

*Many companies use the bow tie model to describe the barriers which should be in place to both prevent and mitigate the consequences of a major process safety incident. It is essential that we know that these barriers are in place and effective in our drilling operations. The panel will share perspectives from across the industry with a focus on the processes used to verify the integrity of the barriers to protect against a major incident.*

- **Mark Campbell-Howes**, Head of Process Safety, Maersk Drilling
  - **Peter Zonjee**, Manager Safety – WELLS Operated, Shell WELLS DROPS Manager, Shell International
  - **Dean Watson**, Vice President Operations Integrity, Schlumberger
  - **Dave Walls**, Director Operational Integrity, Transocean
- 

**12.00**      **Luncheon & Open Exhibition**

Amsterdam Room & Foyer

---

**13.30**      **Learning from Nuclear Energy**

**Session Chair: Russ Brown, Corporate Health and Safety Manager, Ocean Rig**

John Benn, Head of Operational Improvement Generation, EDF Energy

*In high risk industries procedural use and adherence is a key element in the prevention of human error related events. This presentation explores the strategy deployed within a nuclear power generation context covering practical application of key basic rules, the essential elements of training and how to respond when an error does occur.*

---

**14.00**      **Process Safety**

**Session Chair: Mark Campbell-Howes, Head of Process Safety, Maersk Drilling**

**Know Your Barriers: Process Safety in Saipem** Kurt Busuttill, HSE Trainer, Marco Borzi, Erica Ciccarella, Saipem SPA

*Failure to implement or maintain barriers can lead to major catastrophic events. Having documented barrier models is fundamental, however failures will still occur if personnel is not aware of these barriers. The presentation will focus on the communication campaign implemented in Saipem Drilling Business Unit to increase awareness on process safety, safety cases and barrier models. Different communication media were used such as posters, videos, and face to face presentations. The effectiveness of the campaign was measured using formative assessment in the form of question and answer sessions, and group exercises.*



## **International Association of Oil & Gas Producers Well Control Incident Database – Sharing Lessons Learned to Improve Well Safety** Richard Dyve Jones, Manager, Facilities and Field Development TPD D&W FFD, Statoil

The presentation will outline the background of the IOGP WEC committee and its objectives including the reasons for establishing a Well Control Incident Database. The challenges that must be overcome to encourage members to participate in the databasing initiative, in particular the issue of confidentiality will be outlined. The objectives of the Well Control Incident Database will be presented with a short description of how it functions and how it can be accessed. The principle of sharing lessons learned through the issuing of alerts will be explained with some examples and finally a summary of what has been achieved so far will be discussed together with proposals for the future of the database.

### **15.00 Networking Break & Open Exhibition** Winter Garden & Volmer Rooms

### **15.30 Dropped Objects** Session Chair: **Bram Leerdam, HSE&Q Manager, Paragon Offshore**

**Dropped Objects Prevention...."We All Own It"** Tony Johnson, Senior Manager HSE, Operations West, Transocean

*We all know there is no Silver Bullet in winning the battle against Dropped Objects, and I know that we all take the challenge seriously, but if we keep doing things the same way, we shouldn't expect a different result. The presentation will share some of the approaches that Transocean has taken to meet this challenge and what results we saw when we applied them.*

**The Way to Reduce HSE Risks on the Drillfloors** Dieter Wijning, Product Manager Drilling, Joop Roodenburg, David Roodenburg, Ed Adams, Huisman Equipment BV

*The results of deepwater rig performance analysis and extensive consultations with contractors and operators have been embodied in a new generation approach to safety-by-design eliminating or significantly reducing many typical HSE risks. This paper will focus on a new way of organizing the rig floor, which in tandem with the genuine automation of repetitive and hazardous tasks, removes human exposure to many of the traditional hazards encountered in well construction operations. The innovative safety initiatives are encapsulated in a new drillship design and an enhanced dual drilling tower.*

### **16.30 Adjournment**

Unassigned Papers of Note: The following paper proposals will be included in the conference if a scheduled paper becomes unavailable. In addition, these presentations will be made available in the IADC conference proceedings, should the author so desire.

**Industry Culture Change Related to Dropped Object Prevention** Anton Krijnen, Director Engineering, MD Deputy Handling Tools, Richard Verhoef, Jennifer Fox, Katelin Bouguet, NOV

*Explanation of how a DROPS team was implemented including upper management support. How do we register reported incidents and how is the follow up with the customer? What supporting documents have been created and how are these being shared within our organization? Examples of design for drops prevention other than adding secondary retention will be shown. Metrics and how they support/push product improvements will be shared.*

**Successfully Addressing Dynamic Dropped Objects** Alistair Tong, Principal Specialist, Stewart Gillies, Team Lead, Integrated Control Systems, Aberdeen Drilling Consultants Ltd

*The UK HSE identified that automation of drill-floor machinery and tubular-handling equipment has many advantages but also introduces new hazards.*

*Poor system design, inadequate training and maintenance of equipment can contribute to increased potential for serious injury or fatality. ADC's unique "All 4 One" approach has developed a methodology, utilizing both engineering and HSE expertise, to help manage those risks in relation to drill-floor machinery and tubular-handling. ADC's Tubular Handling Assessments provide a proven, engineered safety approach to significantly reduce risk from systemic failures in management policies, personnel capability and equipment performance that can result in significant dynamic dropped objects.*

**Safety Culture – Can You Measure It? Absolutely!** Kris Callen, Senior Vice President, Safety & Leadership, The REACH Group

*Building a safe and efficient culture on our rigs has been a dream for most; for some a fantasy. It sounds like a great concept, but the common belief is, because you can't measure it, it can't be real. This paper uses real data from a company that went from a 2.67 TRIR to a .47 TRIR by learning to measure their safety culture. The implementation of the steps presented herein will cost effectively create a sustainable culture of safe and efficient operations.*

## **CONFERENCE VENUE & HOTEL INFORMATION**

**NH Grand Hotel Krasnapolsky**  
Dam, 9. 1012 JS Amsterdam, The Netherlands  
Phone: +31.20.5549111

**Room Rates:** Standard Single Room **Euro 215,-** including VAT, excluding Breakfast and City Tax 5,5%. The negotiated Group Rate is available until the **9th of August 2015**. After this date rooms are upon availability.

**Reservations:** Please make your room reservations using the provided link on the conference website: [www.iadc.org/event/euro-hset-2015](http://www.iadc.org/event/euro-hset-2015) or with the attached hotel reservations form.



## **REGISTRATION**

[www.iadc.org/event/euro-hset-2015](http://www.iadc.org/event/euro-hset-2015)

## **EXHIBITORS**

*Be sure to visit the conference exhibitors. These companies will have representatives available to answer questions and provide information.*

- **CGE Risk Management Solutions**
- **Check-6**
- **Derrick Services (UK) Ltd**
- **EHS Insight**
- **Enablon**
- **ICM-PEOPLE**
- **Kelvin TOP-SET**
- **Latchways PLC**
- **Maersk Training**
- **Marex Marine and Risk Consultancy**
- **Mintra Trainingportal**
- **Mission Excellence**
- **Northwest Technical Solutions**
- **Petrofac Training Services**
- **Presight Solutions**
- **Rider**
- **Ringers Gloves**
- **Safelift Offshore Ltd**
- **Stopdrop Tooling**
- **The REACH Group**
- **The Well Academy**
- **V12 Footwear**
- **Westex By Milliken**

*Exhibition and Sponsor Opportunities are still available! Please contact [europe@iadc.org](mailto:europe@iadc.org) / +31 24 675 2252 for more information.*

## **PROGRAM COMMITTEE MEMBERS**

*A special thanks to the following committee members for their support in organizing the conference:*

- **Marco Borzi, Saipem Norway**
- **Russ Brown, Ocean Rig**
- **Mohamed El Halimi, Danish Working Environment Authority**
- **Ashok Garlapati, Kuwait Oil Company**
- **Gordon Graham, Shell International**
- **Tony Johnson, Transocean**
- **John Karish, Ensco plc**
- **Gary Kelso, BP Exploration**
- **Bob Kilford, KCA Deutag**
- **Bram Leerdam, Paragon Offshore**
- **Bent Nielsen, Maersk Drilling**
- **Øyvind Tuntland, Petroleum Safety Authority Norway**
- **Michael de Vos, State Supervision of Mines**
- **Jens Hoffmark, IADC**