

Subsea System Reliability

One-Day Seminar

Thursday 8th November 2007

QV1 Conference Centre, Level 2, 250 St. Georges Terrace, Perth



Significant revenue loss with associated reputation damage can occur when Subsea projects fail to deliver their intended availability, this is especially true with large oil and gas developments. Increasingly, projects are resorting to the use of formal reliability processes and improved system design in order to meet contractual availability targets.

This Seminar will provide an insight into, recent problems on: subsea systems, applicable standards which can be considered, availability by system design, reliability processes, predictive tools, case studies and how to build reliability/availability targets into contracts.

PROGRAMME

Chairman – Terry Griffiths, Trident Australasia

- 08.00** Registration, Tea/Coffee
- 08.20** Introduction
- 08.30 – 09.15** **Lessons Learnt – what went wrong in the area of reliability and why?**
Impact of design changes, New equipment, Material selection, Testing issues, QA & control issues
Marty Witton - INPEX Corporation, Chris Lawlor - Woodside Energy Ltd. & Graham Bonner - Chevron Australia Pty Ltd.
- 09.15 – 10.00** **Applicable standards for subsea systems and their status**
API 17N development, Status and aims of new standards, Relationship with ISO standard
John Allen - Vetco
- 10.00 – 10.15** Tea/Coffee
- 10.15 – 11.00** **How to build and qualify reliable subsea equipment.**
The use of technical qualification processes, The use of reliability tools
Graham Kerr – Atkins
- 11.00 – 11.45** **How to build in reliability from a system view point and how to maintain the level of performance**
System design approach, Fault tolerant system design to minimise losses, Balance mean time to failure and mean time to repair, Reliability data collection, Integration with computerised maintenance management systems, Through life focus
Graham Bonner – Chevron Australia Pty Ltd.
- 11.45 – 12.45** **Workshop (Group discussion)**
*Will the correct application of these tools and approaches generate an improvement in performance?
Will we continue to repeat the problems of the past?*
John Allen - Vetco & Prof. John Strutt – Atkins Boreas
- 12.45 – 13.30** LUNCH
- 13.30 – 14.15** **Experience in applying Subsea Reliability Techniques to subsea projects**
Prof. John Strutt - Atkins Boreas
- 14.15 – 15.00** **Reliability Availability and Maintenance (RAM) modelling**
*How to apply RAM modelling and what it can be used for (lessons learnt)
Sources of reliability data (OREDA, Subsea/Well Master)*
Mark MacKenzie - IRC/Bureau Veritas
- 15.00 – 15.15** Tea/Coffee
- 15.15 -16.15** **How to ensure reliability and availability by design through contractual relationships.**
EPCM Contracts, Incentivisation/penalties, Subsea Equipment contract, Installation contract, Operating phase, Assessing supplier capability
Keith Smalley - JP Kenny Pty Ltd. & Per Arne Nilsen - Woodside Energy Ltd.
- 16.15** **Workshop/Wrap Up**
What more can we do to ensure reliability?, Are we making progress?, Organisation issues.
Facilitator Chris Lawlor and Panel
- 17.00** **Networking over drinks & canapés**

Registration form for attendance on back page.

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Registration Information

To register, either e-mail the information required on the registration form to J.Bremner@sut.org or fax the completed form to Joyce Bremner on 00 61 (8) 9204 3826

Registration Fees

SUT Members - \$250.00 Inclusive of GST

Non Member – \$300.00 Inclusive of GST

Fee includes - lunch, tea/coffee, post seminar drinks and canapés

Preferred Payment Methods:

Credit Card: Mastercard or Visa ONLY. We cannot accept payment by any other card.

Cheque: Australian Dollar only, made payable to The Society for Underwater Technology

Send to, PO Box 7539, Cloisters Square, Perth, WA, 6850

Please make sure you reserve a place by e-mail or fax before posting your cheque.

Joining Instructions

Joining instructions will be e-mailed to each registered delegate.

Registration Form

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