

INTRODUCTION TO SUBSEA FACILITIES

An Awareness Course for Maintenance and Support Teams



ABERDEEN

PROGRAMME AND REGISTRATION FORM

This is an intensive one-day course and is specifically designed for all offshore topsides maintenance operatives and other support staff who deal with the operation and maintenance of subsea plant. It also offers the chance for anyone new to or already within the subsea sector the opportunity to partake in a short course to raise their awareness of the subsea environment and its equipment needs.

The seminar is run by experienced personnel from the subsea sector. It will be held in a classroom environment, with the sessions being interactive, with every opportunity to ask questions and discuss what has been learnt.

WHO SHOULD ATTEND?

- Offshore topsides maintenance operatives
- Onshore operations and maintenance support staff
- Operator Asset Team members and clients
- Subsea equipment and service contract suppliers
- New entrants to the subsea industry
- Refresher candidates

ORGANISED BY

SOCIETY FOR UNDERWATER TECHNOLOGY

INNOVATION CENTRE, ABERDEEN SCIENCE & ENERGY PARK, BRIDGE OF DON, ABERDEEN AB23 8GX

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Introduction to Subsea Facilities



PROGRAMME

Subsea production is not a new concept; however, advances in subsea technologies continue to enhance the economic development of offshore exploration discoveries in all water depths. Crucial to the economic success of such developments is the need to understand the consequences of one's actions.

This workshop is aimed at creating an awareness of the applications of subsea equipment and plant, the vulnerabilities to which it is susceptible, the requirements to continuously inspect, maintain and repair, and the consequences of equipment downtime and lost production.

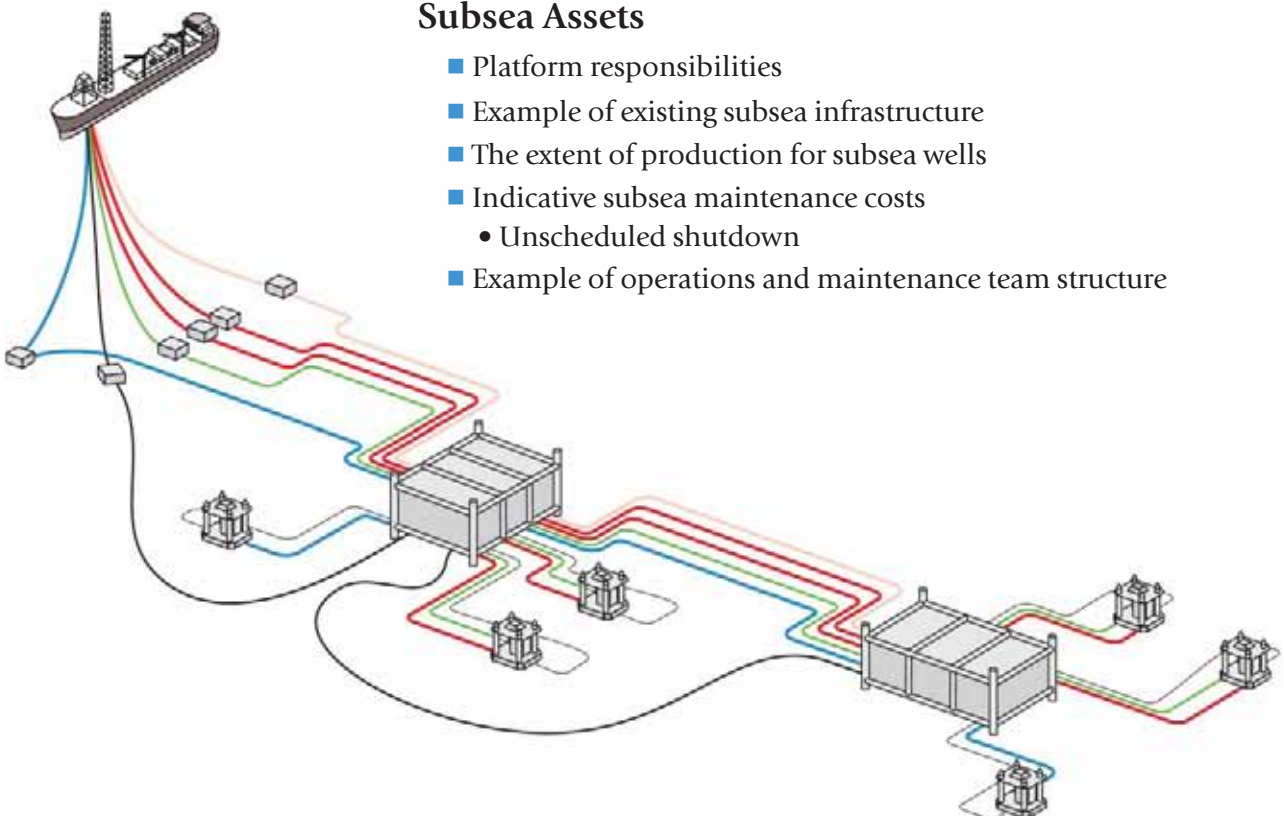
08.30 REGISTRATION

General Introduction to Subsea Production Systems

- Overview of the subsea components
 - The reservoir
 - Wellhead
 - Flowlines
 - Control systems
 - Enhanced recover
 - Intervention
- The purpose of components

Subsea Assets

- Platform responsibilities
- Example of existing subsea infrastructure
- The extent of production for subsea wells
- Indicative subsea maintenance costs
 - Unscheduled shutdown
- Example of operations and maintenance team structure



Hardware

- Topside equipment
- Chokes
- Control modules
- Connectors
- Trees
- Manifolds
- Flowlines, Risers
- Separators, Pumps
- Umbilicals
- Bundles

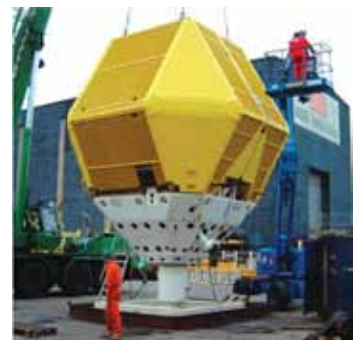
Vulnerable Areas

- Trees
- Flow
- Risers
- Topside
- Environment issues
- Health and safety issues
- Technology obsolescence

Inspection, Repair and Maintenance

- Planning of intervention
- Driver/ROV intervention
 - Capabilities and limits
- Procedure development
- Vessels
- Integrity
- Permits and isolations

17.00 CLOSE



ACKNOWLEDGEMENTS

SUT would like to thank Shell & PMDS for the support with material and guidance for this course.

REGISTRATION INFORMATION

To register please complete the registration form and send to SUT's Aberdeen office SUT, Innovation Centre, Exploration Drive, Aberdeen Science and Energy Park, Bridge of Don, Aberdeen AB23 8GX.
Telephone: + 44 (0)1224 823637.
Fax: + 44 (0)1224 820236. Email: michele.ross@sut.org.

REGISTRATION FEES

SUT Member Rate:
GBP £350.00 (excluding VAT)

Non Member Rate:
GBP £450.00 (excluding VAT)

All refreshments and copy of the course notes included in the fees.

PAYMENT METHODS

Bank Transfer: (exclusive of transfer fees and currency exchange rates) to Bank of Scotland, 79 Ellon Road, Bridge of Don, Aberdeen, AB23 8BY. Sort Code No: 80 05 11. Account No: 00865948, Account Name: SUT Aberdeen Branch.

Cheque: Please make payable to "Society for Underwater Technology". Sterling only drawn on a UK Bank Account. An International cheque can be obtained from all major overseas banks. Please ensure any charges are met at source.

Credit Card: Please provide details below. We do not accept American Express Cards.

VAT: Our VAT No. is 242 3504 95. VAT must be paid on all registration fees, including those from overseas. All EC country organisations must provide their VAT number in accordance with EC VAT regulations. A VAT receipted invoice will be sent in acknowledgement of all pre-paid registrations.

JOINING INSTRUCTIONS Joining instructions will be sent direct to the registered delegate (unless otherwise advised) on receipt of their written confirmation of attendance.

ACCOMMODATION Aberdeen has a wide range of accommodation; please contact the SUT Aberdeen office for information.

TRANSPORT Delegates are responsible for their own travel arrangements at the beginning and end of each day. Assistance with travel will be given between modules.

CANCELLATIONS Refunds will be made on written cancellations received up to 10 working days in advance of the event but will be subject to a 15% handling charge. 50% will be deducted 5 working days in advance and 100% thereafter up to the start of the event. No refund will be given for non-attendance. Delegates may wish to nominate a substitute in their place.



Registration Form

Introduction to Subsea Facilities

One-Day Seminar : Aberdeen

Please complete and either email to michele.ross@sut.org or print off a copy and fax to + 44 (0)1224 820236

Name _____

Company _____

Address _____

Postcode _____

Email _____

Phone No. _____

Fax No. _____

SUT Member No. _____

Credit Card Payment (Not American Express):

Amount £ _____

Card No. _____ / _____ / _____ / _____

Start Date _____

Expiry Date _____

Security No. (last 3 digits on back) _____

Name on Card _____

Billing Address _____

Please indicate your preferred payment method:

- Credit Card (details above)
 Cheque enclosed, made payable to
Society for Underwater Technology
 Please Invoice quoting PO No. _____

