



Society for
Underwater
Technology

Subsea Awareness

5-Day Course

Aberdeen

Do you want to know about Subsea Technology and Operations?

Understanding the full lifecycle of a subsea, oil and gas, production field development from Inception through to Decommissioning – then the SUT's Subsea Awareness Course is geared towards YOU.

The Society for Underwater Technology (SUT) delivers a foundation level Subsea Awareness Course (SAC) that is suitable for personnel from the Operators, the Contractors and other interested organisations, for example; Legal, Finance and Engineering Houses.

This course provides underpinning knowledge for new entrants in the subsea sector of the offshore energy industry, as well as offering a refresher for experienced professionals seeking to update their knowledge.

Course Description

The course is delivered by experienced personnel from across the sector from Operators, Contractors and Technology Suppliers, many of whom are recognised Technical Authorities (TA), and address the complete lifecycle of a subsea asset; looking at design, installation, commissioning production operations and the ultimate decommissioning from reservoir to export.

The course offers a balance of classroom and site visits to manufacturing plants/factories, thereby providing a broad spectrum of opportunity to engage from our highly experienced and respected industry personnel, sharing their knowledge.

- This five-day course was originally developed by the Operator community to address growing skills gaps, which due to its success was transferred to the Society of Underwater Technology in the early 1990's as the industry learned society for the subsea sector; a non-profit making organisation. Since then, the SAC has been developed and refreshed to reflect the technological developments over the period and is geared for industry personnel who wish to expand their knowledge of subsea systems within the offshore and subsea sector
- The modules are delivered by experienced personnel from Operators, Contractors and Technology System Suppliers to offer a broad perspective of the sector, many industry Technical Authorities – sharing their knowledge.
- The course is especially relevant for new entrants to the subsea sector but can also be invaluable to those transferring from other disciplines within the industry, or personnel who have worked in subsea earlier in their career and appreciate the benefit to be had from a refresher course that includes exposure to the latest technological advances from Reservoir to Export.

Who should attend;

- New Entrants who are already technically qualified but are just entering the offshore energy industry and / or the subsea sector
- Technically qualified, experienced personnel who require to undergo a technology transfer and conversion process from another relevant discipline into the subsea sector
- Non-technical personnel from the likes of the Legal or Finance sectors who are regularly dealing with the subsea sector will also find the course rewarding

Whilst most of the course will be presented in a 'classroom' environment, the sessions will be interactive, with the opportunity to ask questions and discuss what has been learnt. In particular, hands-on and visual components have been included wherever possible to enable delegates to view software models and products designed for subsea service.

Topics

Day 1

- Introduction to the Subsea Sector
- Field Developments – Stage Gate Process
- Field Developments

Day 2

- Subsea Wellheads, Trees and Umbilicals
- Reservoir to seabed completions
- Wellhead system
- Christmas Trees
- Chokes –
- Manifold and Protection Structures
- Connection Systems
- Tree Systems - Manufacturing and Testing (Factory tour)
- Umbilical Systems
- Umbilical - Manufacturing and Testing (Factory tour)

Day 3

- Pipeline & Riser Systems and including Installation & Intervention methods
- Rigid
- Flexibles
- Caissons
- Design, Strength and Stability
- Manufacturing and testing
- Installation and Intervention - Remotely Operated Vehicles (ROV's) & Diver
- Inspection Techniques
- ROV Simulation

Day 4

- Subsea Control Systems, Flow Assurance and Host to Export
- Control –
- Power and Communications
- High Integrity Pressure Protection Systems (HIPPS)
- Flow Assurance
- Production Assurance and optimisation
- Host – types (i.e. Platform, FPSO's) and why
- Host process handling
- Future technology

Day 5

- Subsea Operation – Safety Case, new challenges, Integrity & Risk Management
- Subsea Operation – case histories
- Decommissioning – Regulations, Well P & A, Subsea Facilities
- Way ahead – Subsea Processing, non-metallic materials & introduction to the future of Subsea Systems

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.

Joining Instructions

Joining instructions will be sent directly to the registered delegate (unless otherwise advised).

Registration Fees

SUT Member Rate: £1400 (+VAT)

SUT Non-Member Rate: £1600 (+VAT)

Early Bird booking saving (up to 6 weeks before the course date) - £200

Registration

To register, please contact events@sut.org / 01224 823637

Payment Methods

Invoice

Credit card: All major credit cards accepted

Bank Transfer: Bank details will be advised on request

Exclusive of transfer fees and currency exchange rates

Cheque: Please make cheques 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 charges are met at source.

VAT No.: 242 3504 95.

VAT must be paid on all registration fees, including those from overseas.

SOCIETY FOR UNDERWATER TECHNOLOGY

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