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 one-day course is aimed at creating an awareness of the applications of subsea equipment and plant, how subsea equipment is operated, the vulnerabilities to which it is susceptible, the requirements to continuously inspect, maintain and repair and the consequences of equipment downtime and lost production.

PROGRAMME

08.30 Registration

08.40 General Introduction to Subsea Production systems
   Presented by: Roland Frickey, Woodside Ltd.
   Components of subsea systems, the “building blocks”
   The purpose of each element and how they fit into the overall system.

09.30 Managing Subsea Assets
   Presented by: Roland Frickey Woodside Ltd.
   Examples of existing subsea infrastructure.
   The extent of production from subsea wells
   Indicative subsea maintenance costs
   Examples of engineering, operations and maintenance roles & team structure.

10.30 Tea/Coffee

10.45 Operating Strategies/practices
   Presented by: James Holbeach/Paul Oakley, MSI Kenny
   Operation of subsea tie-backs on typical oil & large gas/condensate developments
   Pressure, Temperature & compositional operating developments
   Flow control and liquid management
   Hydrate & Wax mitigation strategies
   Hydrate remediation strategies
   Planned and Unplanned field start-ups/shut downs
   Pigging operations

12.00 Lunch

12.30 Operating Subsea Systems
   Presented by: David Thain, Woodside Energy Ltd.
   A short overview of operating a subsea system, from well start up through the operating phase to well shutdown. What information is readily available, how to interpret it, to ensure a safe, smooth and efficient operation.

13.15 Vulnerabilities - What could go wrong?
   Presented by: Ewan Rowell, Chevron Australia Pty Ltd.
   Explanations of the vulnerability of subsea hardware to the following:
   Hydrates, waxes & scale, causes & remedies
   Control Fluid Cleanliness; Incompatible Fluids
   Insulation Resistance; Gas Ingress & condensing water
   Technology Obsolescence
   Reliability, redundancy & flexibility
   Dragged & dropped objects - Fishing activity
   Corrosion/erosion
   Marine environmental influences - temperature, internal water motions, marine growth.

14.15 Tea/Coffee

14.30 Inspection, Repair and Maintenance
   Presented by: Bill Russell-Cargill, DoF Subsea
   The need for IRM and how it is carried out, exploring:
   Diver intervention; ROV & Survey Capabilities; IRM Vessels;
   Inspection and survey systems; Integrity management:
   Planning, Timing, Permits & Isolations; Platform liaison;
   Procedure development; Case study examples

15.30 Advanced Systems
   Presented by: Tim Stuart, GE Oil & Gas
   Production modelling & Operator Simulators
   Subsea Separation
   Subsea Compression
   Direct Seawater injection

16.30 Certification & Course Conclusion

Presenting Companies Include:

SUT reserves the right to change/amend the programme as it sees fit.
Registration Information – Operating Subsea Oil & Gas Production Systems  
(Aug 2012)

Should you require further information on this event, please contact Joyce Bremner on j.bremner@sut.org
To register, either e-mail the information required on the registration form to perthevents@sut.org
or fax the completed form to +61 8 9446 9905

Registration Fees
SUT Members  $363.64 + GST = $400
Non Members   $409.09 + GST = $450

Fee includes - All refreshments, handout notes of the presentations & CD containing PDF versions of the presentations.

Preferred Payment Methods:
Credit Card: Mastercard, Visa, or AMEX* only. We cannot accept payment by any other card.
* Please note if paying by AMEX there will be a 2.75% surcharge.
Cheque: Australian Dollar only, made payable to The Society for Underwater Technology
Send to, SUT, PO Box 7284 Cloisters Square, Perth, WA 6850
Please make sure you reserve a place by e-mail or fax before sending payment.

Joining Instructions:
Joining instructions will be e-mailed to the registered delegate (as shown on the registration form). All details of presenters and updates to the programme will be included in the joining instructions.

Cancellations:
Refunds will be made on written cancellation received up to ten working days in advance of the event, but will be subject to a 15% handling charge. 50% will be deducted up to three 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.

Transport During the Course:
Delegates are responsible for their own travel arrangements to and from the Ibis Hotel.

Registration Form

Please e-mail details to Perthevents@sut.org or fax the completed form to +61 8 9446.9905

Please tick to indicate your preferred payment method: SUT Member No._________________

Credit Card ____________ (Visa or MasterCard or AMEX*) Cheque ________ Invoice (PO No.) ____________

Name ________________________________________________________________________________________

Company ______________________________________________________________________________________

Address _______________________________________________________________________________________

E-mail address ___________________________________________________________________________ Tel No. ____________________________

Credit Card No: Visa, MasterCard or AMEX* ________________/______________/______________/______________

Exp. __________/_________ Security no ____________ (last 3 digits on the back of your card)

Name on the card ____________________________________________________________________________

Billing Address if not as above ____________________________________________________________________________

______________________________________________________________________________________________

E-mail address where receipt for credit card payment should be sent ______________________________________

Amount to be charged $ ____________ Signature ____________________________________________

(OSOGPS Aug 2012)V2

www.sut.org.au