The operation of subsea production systems requires operation, inspection & maintenance strategies that differ considerably from their onshore counterparts.

This essential course provides a greater understanding of operation in the the subsea environment. Upon completion of the course our expert presenters will have covered the following topics:

- General Introduction to Subsea Production Systems
- Operating Strategies & Practices
- Operating Subsea Systems
- Vulnerabilities - What could go wrong?
- Managing Subsea Assets
- Inspection, Repair & Maintenance
- Advanced Systems

**Why Will This Course Benefit You?**

The Subsea Production Systems Course provides an introduction to the elements of a subsea production system and how they are operated to maximise production and protect system integrity.

Additionally, presenters will explore the typical operational parameters for a subsea system, the information available during normal operation and the requirements for inspection and maintenance to mitigate the many risks posed by both the subsea environment and the produced fluids.

**Who Should Attend?**

Anyone who works for an operator, contractor or is part of the supply chain that supports the operation/maintenance of offshore and subsea systems would benefit from learning about the practical operation, maintenance and management of subsea production infrastructure. Those returning to the subsea industry or joining for the first time would also benefit, and gain exposure to the latest technology and operating practices.
**COURSE SCHEDULE**

**TUESDAY 4TH AUGUST**

08.30   *Logon/Welcome*

08.45   **General Intro to Subsea Production Systems**

  *Dr. Jeff Zhang, Wood*

  Overall system operation subsea tie-backs in oil/gas condensate developments. Differences in System operational control schemes (eg. FLNG vs Conventional LNG vs Domestic Gas). Typical pressure, temperature & compositional operating envelope considerations. Flow rate control and liquid management. Hydrate & Wax mitigation and remediation strategies Planned & unplanned transient operations (eg. field start-ups/shut downs)

11.00   *Break*

11.15   **Operating Subsea Systems**

  *Dr. Steve Miller, Woodside Energy*

  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.

12.00   **Vulnerabilities - What could go wrong?**

  *Kevin Gauld, Chevron Australia*


13.00   *Lunch Break*

13.30   **Managing Subsea Assets**

  *Roland Fricke, Woodside Energy*

  This session discusses the management of subsea operations by describing the following: Operations in the Asset Lifecycle Subsea Operators Goals & Key Elements to these Achieve Goals. This includes examples of existing subsea infrastructure, operations and maintenance roles & team structures including indicative costs.

14.30   **Inspection, Repair & Maintenance**

  *Dr. Mark Appleby, Baker Hughes*

  The need for IRM and how it is carried out, exploring: Diver intervention; ROV & Survey Capabilities; IRM Vessels; Inspection and survey systems; AUV Systems; Integrity management: Planning and Timing. Procedure development; Case study examples

16.45   **Course Conclusion**

  **SUT reserve the right to amend the course programme as required.**

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**REGISTRATION FORM**

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**Course fees:** (please tick)

- Member: $290 AUD
- Non-member: $340 AUD
- Student Member: $105 AUD

*The prices above are inclusive of GST*

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**PAYMENT INFORMATION:**

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