

The Lifecycle of Flexible Risers & Flowlines

An Awareness Course
11-12 November 2025

Image courtesy of Oceaneering

Wood PLC Office – Level 1, 240 St Georges Terrace, Perth WA 6000

An essential awareness course for anyone working with flexible flowlines & risers.

This course has been developed by flexible pipe manufacturers and key companies associated with system design, failure mode analysis, and integrity management of flexible flowlines and risers. Our expert presenters will cover the following topics:

- Introduction to Flexible Pipe
- Design of Flexible Risers & Flowlines
- Installation of Flexibles
- Pre Commissioning/Commissioning
- De-Commissioning
- International Applications of Flexible Pipe
- Damage, Degradation & Failure Modes
- Integrity Management & Inspection

WHY WILL THIS COURSE BENEFIT YOU?

The course will provide enough knowledge for you to feel comfortable with your responsibilities. The course is beneficial to both engineers and non-engineers at various stages in their careers.

WHO SHOULD ATTEND?

This course is aimed at those who specify, purchase, approve, install, operate, manage the integrity of, or decommission flexible risers or flowlines, including jumpers.



Image courtesy of Oceaneering

Thank you to the presenting companies:

COURSE SCHEDULE

TUESDAY 11 NOVEMBER

08.30	Registration /Arrival Tea & Coffee
08.50	SUT Introduction
09.00	Introduction to Flexible Pipe Marius Martens, Worley Selection of flexible pipe vs. rigid pipe Flexible riser concept selection Codes and standards Application of flexible pipe in Australian conditions
10.15	Morning Tea
10.30	Design of Flexible Risers & Flowlines (Eric) Zhen Yen NG, Technip FMC The structure of different types of flexible pipes Materials: plastics and their selection; corrosion considerations for steel Flexibles track record Static flowline design Dynamic riser design, including dynamic analysis and fatigue analysis
12.30	Lunch Break
13.15	Design of Flexible Risers & Flowlines (Eric) Zhen Yen NG, Technip FMC Overview of ancillary equipment Future technology (inc. deepwater issues)
15.00	Afternoon Tea
15.15	Installation of Flexibles TBC, Subsea 7 Installation equipment (reels, carousels, etc) Considerations for selection of method, equipment, installation vessel, etc. Installation analysis: load prediction, sea state limitations, minimum bend radius, etc. Tie-in operations
17.00	Course End

WEDNESDAY 12 NOVEMBER

08.15	Arrival Tea & Coffee
08.30	Lifecycle of Thermoplastic Composite Pipe (TCP) TBC, Strohm Design and manufacturing fundamentals Design standards and qualification process Technical differentiators from traditional pipes TCP for Energy Transition
09.00	Pre-Commissioning / Commissioning Nitin Repalle, 2H Offshore Post tie-In testing Monitoring and survey Filling, pigging and pressurising Requirements and acceptance criteria
10.30	Morning Tea
10.45	De-Commissioning / International Applications of Flexible Pipe TBC, Subsea 7 De-commissioning: plan for it before installation makes retrieval easier Challenging North Sea installation – successful outcome Brazil flexible field development – an installation contractor experience
12.00	Lunch Break
12.45	Damage, Degradation and Failure Modes Emilien Rulence, Atteris How design takes account of failure modes Practical experience – use, damage and failure Flexible pipe failure modes, and their mechanisms How integrity management is linked to failure modes Guideline on Flexible Pipe Integrity Management
14.45	Afternoon Tea
15.00	Integrity Management (IM) and Inspection TBC Wood Integrity versus asset management, what is the difference? What are the requirements of an IM system? How do you apply IM? A currently operating asset - study of an actual IM system in action
17.00	Course Finish ** SUT reserve the right to amend the course programme as required.

Thank you to the presenting companies:

REGISTRATION FORM

Please submit your registration to:

Perth Events

Tel: + 61 (0) 8 9481 0999

Email: perthevents@sut.org

Register ONLINE -
Click here

SUT Membership Number

Full name

Job title

Company

Address

Postcode

Telephone

Email

Signature

Course fees: (please tick)

Early Bird* Member \$1200 AUD

Early Bird* Non-member \$1430 AUD

Member \$1495 AUD

Non-Member \$1780 AUD

Student Member \$ 480 AUD

PAYMENT INFORMATION:

Please invoice (PO NO.)

or

Credit Card

Credit card Mastercard, Visa or AMEX* ONLY.

*Payment by AMEX will carry a 2.75% surcharge, Visa a 1.5% surcharge.

☐ Amex ☐ Mastercard ☐ Visa

Card number

Card holder's name

Signature

Expiry date

Start date

Issue number

Security Code (last 3 digits on the back of your card)

Email address to send receipt

☐ Please tick here if you do not want to receive our weekly newsletter.

The prices above are inclusive of GST.

Early Bird registrations must be paid by 13th October 2025.

Cancellations: Refunds will be made on written cancellation received up to 10 working days prior to the event, but will be subject to a 15% administration charge. Cancellations received 9—4 working days prior to the event will be charged a 50% cancellation fee. Cancellations received 3—0 working days prior to the event will not be refunded. Delegates may send a substitute in their place at no charge. Should there be any COVID related shutdowns that impact this course it will be run online instead of in person.

Image courtesy of TechnipFMC

