

The Life Cycle of Flexible Risers and Flowlines

(An Awareness Course)



24th & 25th August 2016
Cliftons - Parmelia House
191 St Georges Terrace, Perth

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.

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

The course should provide enough knowledge for them to feel comfortable with their responsibilities and is likely to apply to both engineers and non-engineers at various stages in their careers.



Presenting Companies Include:



The Life Cycle of Flexible Risers and Flowlines (An Awareness Course)



Day 1 08:40–17:00

08:40 Registration

08.50 SUT Introduction

09:00 Introduction to Flexible Pipe

Marius Martens, INTECSEA

- ◆ 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 and Flowlines

Phil Ward & Erik Tran, Technip Oceania

- ◆ The structure of different types of flexible pipe
- ◆ 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

13:15 Design of Flexible Risers and Flowlines Cont.

- ◆ Overview of ancillary equipment
- ◆ Future technology (including deep water issues)

15:00 Afternoon tea

15:15 Installation of Flexibles

Thomas Longo, Technip Oceania

- ◆ 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 Day end

17:30 Course Dinner

Day 2 09:00–17:00

09:00 Pre-Commissioning / Commissioning

Gilles Gardner, 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

Stéphane Eyssautier, 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

12.45 Damage, Degradation and Failure Modes

Adriana Botto, Wood Group

- ◆ 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 and Inspection

Andrew Mills, Wood Group

- ◆ 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 Certification and Course Conclusion

This programme is subject to change.

Registration Information

The Life Cycle of Flexible Risers and Flowlines Aug 2016

Should you require further information on this event, please contact Jennifer Maninin on j.maninin@sut.org Tel +61 8 9481 0999
To register please e-mail the information required on the registration form to perthevents@sut.org

Registration Fees

SUT Members Early Bird (register and pay before 20th July)	\$858.18 + GST = \$944.00
SUT Members (registration after 20th July)	\$1072.73 + GST = \$1,180.00
Non Members Early Bird (register and pay before 20th July)	\$1018.18 + GST = \$1,120.00
Non Members (registration after 20th July)	\$1272.73 + GST = \$1,400.00

Fee includes - All refreshments during the course including dinner on the first night and an electronic copy of the available presentations and videos are provided.

Not included - Hard copy presentations are not provided. Should these be required there is an additional fee of \$50.

Preferred Payment Methods:

Credit Card: Visa, Mastercard or AMEX only *. We cannot accept payment by any other card.

* Payment by Visa or MasterCard will carry a 1.5% surcharge / AMEX will carry a 2.75% surcharge.

Invoice: Please tick here to be invoiced

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. Please bring along a laptop to view the presentations.

Course Dinner:

An informal dinner will be held in a local restaurant on the first night of the course (details with joining instructions).

Transport During the Course:

Delegates are responsible for their own travel arrangements at the beginning and end of each day.

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.

CPD Hours: CPD hours can be claimed for this course, please keep flyer and receipt for auditing purposes.

Please tick box if you do not wish to receive further SUT information

Registration Form

Please e-mail completed form to perthevents@sut.org

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

Credit Card _____ (Visa, MasterCard or AMEX only)* Invoice (PO No.) _____

Name _____ Please tick here if personally funding course

Company _____

Address _____

E-mail address _____ Tel No. _____

Credit Card No: VISA, MASTERCARD or AMEX ONLY * _____/_____/_____/_____

Exp. _____ / _____ Security no _____ (3 digit number for visa & m/c, 4 digit number for amex)

Name on the card _____

Billing Address if not as above _____

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

Amount to be charged \$ _____ Signature _____