



SUT
PERTH

MATERIALS & CORROSION COURSE

An Awareness Course

Wednesday 29th - Thursday 30th July 2026

Wood PLC

240 St George's Terrace, Perth, Australia

ARE YOU NEW TO SUBSEA OR UNFAMILIAR WITH CORROSION CONSIDERATIONS?

This two-day course has been specifically designed for people new to subsea or unfamiliar with the various corrosion considerations which need to be applied during design, construction and operation of subsea assets. The course will cover the following topics:

- Overview of Corrosion Issues
- Corrosion & Erosion Modelling
- Chemical Selection, Injection & Inhibition
- Specification, Fabrication & Welding
- Cathodic Protection & Coatings
- Operational Integrity & FFS
- Planning and Implementation of Inspection & Monitoring

WHY WILL THIS COURSE BENEFIT YOU?

The aim of this course is to provide an overview of the various materials and corrosion issues which are applicable to subsea structures. The choices made for one area of corrosion and integrity will often have knock-on impact in other areas, and also affect the long term inspection and monitoring which may be required to ensure the design life is met.

The combination of underlying corrosion mechanisms, design considerations and inspection and monitoring requirements over the life of the equipment provided by the course will provide attendees with a broad knowledge of materials and corrosion factors that need to be considered for subsea equipment design and operation.

PRESENTERS

The course will be presented by personnel from the materials & corrosion and subsea and pipeline industries. Most of the course will be held in a classroom environment, with the session being interactive, with every opportunity to ask questions and discuss the material presented.



Image courtesy of ChampionX

Thank you to the presenting companies:

SPEC



ROSEN
empowered by technology



wood.

COURSE SCHEDULE

WEDNESDAY 29TH JULY 2026

8:30 Registration / Arrival Tea & Coffee

9:00 Introduction & Overview

John Grapiglia, CCE

Overview & setting the scene.

Operating conditions for equipment.

Basic mechanisms of corrosion.

Effects of elevated temperature, CO₂, H₂S, sand, seabed topography & choice of material.

9:45 Corrosion & Erosion Modelling

Chris Selman, Wood

Models available to model effects of CO₂, H₂S & sand production on internals of pipelines.

Advantages, disadvantages & limitations of models.

11:15 Morning Tea

11:30 Chemical Selection, Injection & Inhibition

Chris Hiller, SLB (ChampionX)

Types of inhibitors for oil & gas subsea production systems.

Selection & qualification of inhibitors.

Top of line corrosion management

Downstream process impacts.

13:00 Lunch Break

13:45 Specification, Fabrication & Welding

Matt Lancien, SPEC

Materials used in subsea & welding related issues

Types of welds / Heat treatment / Metallurgy of welds

Differences between fabrication for subsea & topsides

Limitations imposed on welding offshore pipelines

Testing welds

15:15 Afternoon Break

15:30 Cathodic Protection & Coatings

John Grapiglia, CCE

Codes & standards in design of CP systems

Factors affecting performance of CP systems

Issues related to CP & the interaction with coating systems

17:00 End Day 1

17:30 Course Networking event

Thank you to the presenting companies:



THURSDAY 30TH JULY 2026

8.30 Operational Integrity & FFS

Colin Radici, Rosen

Pipeline pigging

Codes & standards for defect assessment/repair

Types of pigs, their benefits

Data collection & how it's processed

Limitations affecting intelligent pigging & pipeline design

10.00 Morning Tea

10.15 Planning & Implementation of Inspection & Monitoring

Issues affecting subsea structures

Types of inspection

ROV types, inspections & tooling

ROV capabilities & regulatory requirements for inspection

What data is required to perform thorough inspections?

Other forms of inspection (divers etc)

11.45 Lunch

12.30 Depart for Site Visits

Baker Hughes

Delegates will be taken on a guided tour of the Baker Hughes subsea service facility. They will have the opportunity to view various items of subsea production equipment and gain insight into material selection and corrosion control applied to equipment operating in a subsea environment.

SLB (Champion X)

Delegates will be taken on a guided tour of the Champion X subsea service facility.

16.30 Arrive Back in Perth CBD (time is approximate)

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



Image courtesy of ChampionX

REGISTRATION FORM

Register ONLINE - Click here

Materials & Corrosion Course 29-30 July 2026 . Please complete the form below and submit via email to perthevents@sut.org to confirm your registration.

SUT /SEA Membership Number _____

Full name _____

Job title _____

Company _____

Address _____

Telephone _____

Email _____

Signature _____

COURSE FEES:

(please tick)

SUT Member Early Bird	\$1200 AUD	<input type="checkbox"/>
SUT Member	\$1495 AUD	<input type="checkbox"/>
SEA Member Early Bird	\$1315 AUD	<input type="checkbox"/>
SEA Member	\$1635 AUD	<input type="checkbox"/>
Non-Member Early Bird	\$1430 AUD	<input type="checkbox"/>
Non-Member	\$1780 AUD	<input type="checkbox"/>
Student Member	\$480 AUD	<input type="checkbox"/>

The prices above are inclusive of GST. Early Bird rates apply to all bookings received by 29th June 2026. All bookings from 30th June 2026 will be charged at the standard rate.

All SUT courses are subject to minimum numbers. If minimum numbers are not met for the course to go ahead, the registration fee may be transferred to a future event or refunded in full. 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. In the event that any shutdowns, restrictions, or circumstances beyond our control prevent face-to-face delivery, the course will transition to an online format. ** Please note, if you are employed by a direct competitor of a site inspection company, you will not be eligible to attend this component of the course.

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 _____

Security Code _____

(last 3 digits on the back of your card)

Expiry date Issue number _____

Email address to send receipt

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

ADDITIONAL REQUIREMENTS (dietary or access)

