

TWO DAY COURSE

# PIPELINE REPAIR, HOT TAPPING & IN-SERVICE WELDING

**MELBOURNE**  
6 & 7 May 2026

## Avoid Shutdowns & Service Interruptions. Realise Economic and Environmental Benefits.

Facilitated by US expert, William A Bruce, the objective of this course is to provide an in-depth overview of the various aspects of pipeline modification and repair (full encirclement sleeves, hot taps etc) and to address the concerns associated with welding onto in-service pipelines.

A thorough understanding of the factors that affect welding onto in-service pipelines helps avoid pipeline shutdowns and interruptions of service, thereby bolstering both economic and environmental benefits for operators and welders alike. Plus, repairs can be undertaken efficiently, effectively and with full confidence.

## WHO SHOULD ATTEND?

Pipeline engineers, designers, operators and service professionals who are involved with the maintenance, design, inspection and repair of oil and gas pipelines.

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## COURSE CONTENT

The course will cover:

- Pipeline Repair Hot Tapping and In-Service Welding
- Defect Assessment Prior to Repair
- Welding Processes, Discontinuities and Defects
- Burn Through and Related Safety Concerns
- Hydrogen Cracking Concerns
- Full Encirclement Repair Sleeves
- Hot Tap Branch Connections
- Pipeline Repair by Weld Deposition
- Non-Welded Repairs
- Selecting an Appropriate Repair Method
- Code and Regulatory Requirements
- Procedure Selection for Hot Tap and Repair Sleeve Welding
- Practical Aspects of Hot Tap and Repair Sleeve Welding
- Alternative Welding Processes for In-Service Welding
- Lessons from Past Pipeline Repair Incidents



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## EXPERT FACILITATOR WILLIAM A. BRUCE



William (Bill) A. Bruce is Senior Principal Consultant, Welding Technology at DNV. With a career in pipeline welding research and its practical application spanning more than 40 years, Bill's areas of interest include repair welding, inspection techniques and failure analysis.

He has carried out numerous projects pertaining to safety and integrity aspects of repair and modification of in-service pipelines by welding. Bill is an American Welding Society representative on the American Petroleum Institute API 1104 Committee and is the Chairman of the Maintenance Welding Subcommittee. He has received numerous awards, including a Distinguished Researcher Award from the Pipeline Research Council International.

Bill holds a Bachelor of Science in Welding Engineering and is a Registered Professional Engineer, an IIW International Welding Engineer (IWE) and an AWS Certified Welding Engineer (CWEEng).

## COST

- Weld Australia Members: \$3,410 inc GST
- Non Weld Australia Members: \$3,718 inc GST
- Morning tea, lunch & afternoon tea provided.
- Payment is required at the time of booking. Cancellation four weeks prior to the start date will not be refunded.
- Please note: in order for the course to go ahead, minimum attendee numbers must be reached.

## COURSE DETAILS

- **Date:** Weds & Thurs 6 & 7 May 2026
- **Timing:** 8.00am Registration day one, 8.30am-5.00pm
- **Venue:** Hilton Melbourne Little Queen Street  
18 Little Queen Street  
Melbourne VIC 3000

## QUESTIONS?

For further information, please contact:  
Danielle Pennington (Corporate Engagement Manager) on 0493 024 505 or  
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