



Best Technology Solutions (BTS)

Corrosion Control in the Oil and Gas Industry Training program



Course Description

This fundamental course in corrosion control in the oil and gas industries has been designed for professionals who are working in the field of oil and gas. Guided by leaders in the field, participants will explore principles and protection strategies. The combination of teaching methods – formal lectures, case studies and practical sessions – will maximise the learning process and your understanding of the subject.

Who Should Attend?

- Engineers engaged in the oil and gas industry,
- Engineers involved with the inspection function and/or corrosion mitigation.
- Representatives of government agencies and insurance

Course Objectives:

By the end of this course delegates will learn about:

- Understanding of corrosion ramifications in oil production operations
- Learning how to recognize the various forms of corrosion attack
- Learning how to carry out a corrosion failure analysis
- Learning how to utilize the most appropriate method for corrosion control
- Learning how to adopt the most appropriate monitoring techniques
- Learning how to utilize the information sources



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Course Schedule

Day 1

- Overview
- Economics
- Corrosion Fundamentals
- Basic Corrosion Principles
- Forms of Corrosion

Day 2

- Corrosion Aspects – Oxygen
- Hydrogen Sulphide
- Carbon Dioxide, Bacterial
- Corrosion Control – Design

Day 3

- Cathodic Protection
- Materials Selection
- Coatings and Linings
- Corrosion Management

Day 4

- Corrosion Failure Analysis
- Water Chemistry
- Quality Assurance
- Corrosion Samples



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Day 5

- Corrosion Under Insulation
- Pipelines and Risers
- Oil Refining
- Corrosion Films