



FE008

Pipeline Pigging

Technical & Operational Aspects

Course Introduction:

The purpose of this course is to provide participants with an introduction to pipeline pigging. The course is suited to participants from all walks of the industry and includes technical and practical information, including the application and concepts of pipeline pigging.

The course will provide participants with information to assist in making the right decisions in the selection of cleaning pigs and ensure the safe operation of existing pigging systems.

Course Objectives:

Upon successful completion of this course, the delegates will be able to

- ✓ Identify the critical factors that influence maintenance pig selection
- ✓ Specify the appropriate pigs to meet your maintenance pigging program objectives
- ✓ Recognize key pigging facility components and their functions
- ✓ Incorporate proven industry procedures into pigging operations
- ✓ Develop strategies to deal with stuck pigs
- ✓ Design and implement a progressive pigging program

Who Should Attend?

This course is intended for engineers and pipeline construction personnel working in the oil and gas industry this includes: engineers, technicians, managers, supervisors salespersons, and inspectors. Anyone needing a basic understanding of pigging technology.

Course Outline:

Day 1:

- Introduction & History of Pigging
- What is a 'Pig'?
- Development and reasons for use
- Different types of pig
- Pig Traps
- Launch & Receive of Pigs
- When & Why do you Pig

Day 2:

- Review of Utility Pigs
- Feasibility and assessment processes for pigging projects
- Operational Conditions
- Effects on pig selection and feasibility
- Developing a Cleaning & Proving Pig Program Plan
- Planning a Pigging Project up to and including Inspection Pigging
- HSE during Pigging Projects & Environmental

Day 3:

- Safety Aspects
- Inspection Tools
- Pig Running
- Signaling
- Tracking
- Stuck pig
- Documentation and Record Keeping

Day 4:

- Pig Inspection Data Reports
- Planning and carrying out Verification digs
- Overview of Unpiggable Pipelines
- Intelligent Pigging
- History of Intelligent Pigging
- Types of Intelligent or Smart Pigging
- Using smart Pigs in Integrity Management Programs

Day 5:

- Analyzing and Using Inspection data
- Pigging Programs
- Routine Pigging Program
- Cleaning Pigging Program for Pipelines First Time
- Cleaning Pigging Program preparing for the Intelligent
- Pigging
- Pigging Data Recording
- Pigging Accessories

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work
- Discussion
- Presentation

Course Fees:

To be advised as per the course location. This rate includes participant's manual, Hand-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks
10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session