LDI TRAINING
"Leading Edge Courses for Professionals" ™

An LDI Training Course

Intelligent Pigging
(Pipeline Operations and Maintenance)

by
Rachmat Sudjana, ST

Introduction

Pipeline Operations and Maintenance Class will enhance the knowledge and ability of Pipeline Engineers in general; in terms of Pipeline Operations evaluation and analysis in onshore and offshore pipeline system.

Operate and maintain much kind of valves installed in the Pipeline system starting from launcher, Sectional Valves, Block Valves, Receiver, Metering System, Knockout Drums, related instrumentation and control.

Maintain all related pipeline facilities, such as Pipeline bridges, Main ROW, Pipeline Warning Signboards, Pipeline Stake markers, Pipeline Aerial Markers, rain water creeks, ROW erosion prevention; conduct ROW Patrolling from possible third parties encroachment, leak survey, Side Scan Sonar, Free span inspection and correction.

Pigging for metal loss inspection and routine cleaning operational pigging and Cathodic protection system monitoring and controlling

The Aims

The Participant will get the benefit of an in-depth knowledge of Pipeline Operations and Maintenance of the whole facilities, and it will depend on the fluid being transported by the Pipelines.

The participant will understand the technical background to the design formulas, and their application to the design of pipeline system.

Couse Contents

1. Introduction
   - History of Pipeline Technology
   - ANSI/ASME Codes and Standards
   - API Standards and Recommended Practice
   - Codes for Gas Mains
   - Codes for Oil pipeline

2. Pipeline Operations
   - Monitor and record the throughput flowing in the pipeline
   - Monitor and record the flow rate, and pressure of the fluids
   - Monitor and record the data of the cathodic protection

3. Pigging Operations & Maintenance
   - Pigging for operations
   - Pigging for inspection, i.e. Intelligent Pigging
   - Corrosion Inhibition Pigging
   - Corrosion Monitoring of Pigging facilities

Who Should Attend

Field Engineers, and Plant Engineers in Mechanical Integrity Programs, Structural integrity Engineers, Field Inspectors, Plant Inspectors, Central Engineering Staff, and Consultants for Transportation and Distribution of Gas, and Operations Engineer for Liquid Transportations.

Your Course Leader

Rachmat Sudjana, ST

Education: University of Indonusa, Industrial Engineering AKAMIGAS, Mechanical Engineering
Qualification: Instructor for Oil and Gas Industries and Pulp & Paper Mills

Other Qualifications: Lecturer and Mentor for Graduate Engineering Trainee – Engineering Manager - Senior Staff Pipeline/Facility Engineer – Pipeline Material Selection Specialist

He was a retired Oil & Gas Industry practitioner, who is willing to share his knowledge and experience to the next engineer's generation who need them.

He has a lot of experiences in the Oil & Gas Industries domestic and abroad in the World Class Oil Companies, such as working in the oil field in the north edge of Sahara Desert, Africa next the south shore line of the Mediterranean Sea. As soon as he

retired, he had a particular assignment as a Company Engineer in Foster Wheeler, Reading, next to London, UK.

He completed the assignment and get a lot more experience after the completion of the project. A long with his engineering tasks, he was also mentored the engineer's new hired in the company to facilitate them for their future to hold more responsibility. He is willing to improve the knowledge by sharing them to others. He also presented some of technical papers in the national and international forums.

COURSE DELIVERY

- This offline (face to face) course is conducted in Bahasa Indonesia
- Training hours are from 08:00 to 16:00 WIB
- Participants will receive course materials
- Participants will receive a certificate after completing the training

This course is presented by LDITraining.

For information about LDI Training please visit www.lditraining.com
If you have any question about our courses, please email your enquiry to lditrain@indo.net.id or contact to: 021- 6326911 / 0811 812857

SAPTO RAHARD