LDI TRAINING
"Leading Edge Courses for Professionals" ™

An LDI Training Course

OPERATIONAL READINESS, HAND OVER & ASSURANCE

by
Rachmat Sudjana, ST

Introduction

This course provides Engineers and Company Staff with a comprehensive understanding of how to fill the gap in the Project stage as Commissioning and Operational Readiness seem to be no more than a distant milestone in the project schedule.

This will cover the discussion in the Plant Processing Facility, incoming flowlines and outgoing oil and gas pipelines and other related supporting facilities.

The Aims

It is important to plan the commissioning and operational readiness activities as early as possible in the project, discussing the various aspects and determining the role in the pre-commissioning and commissioning phases.

This course will provides Engineers with skills and knowledge in conducting commissioning and operational readiness activities:

- To learn about Commissioning & Operational Readiness
- To learn about Hand Over and Assurance Operational Readiness
- To understand the process description/ plant operational principle/ unit
- To understand Standard and code yang related commissioning and operational readiness

Couse Contents

1. A seven-step Commissioning and Operational Readiness Plan:
   - Operational Readiness Definition
   - Operational Readiness Controls

- Operational Readiness Execution
- Preparation of Pre-commissioning and Commissioning
- Pre-commissioning
- Commissioning
- Plant Operation and Production Ramp-up

2. Operational Readiness Planning
   - Business Readiness Flowchart
   - Project Readiness Checklist
   - Key Performance Indicators
   - Technology Readiness Level
   - Reliability Availability and Maintainability
   - Project Terms of Reference

3. Operational Readiness Review
   - Operational Readiness Plan
   - Operational Acceptance Testing
   - Project Operational Readiness
   - Operational Readiness - System More Ready Than Your Environment
   - Preparedness Plan and Instructions for Particular Condition
   - Third-Party Auditor Operational Readiness Reviews
   - Operational Planning Guidelines to Support Country Preparedness
   - Operational Readiness Plan Template
   - Business Readiness Plan
   - Operational Readiness Checklist
   - Operational Readiness

4. Documentation
   - The facility documentation
   - Operating Documentation and Historical Project Information
   - Data Management System

5. Site Operating Personnel and Site Support
   - Transportation and Accommodation
   - Maintenance Contracts and IT Operational Support
   - Alarm Grouping
   - Operating Process and Procedures
   - Control Center Operators
   - Safety/Environment/Security
   - Operational Training
   - Regulatory and Other Compliance
   - Data Systems
   - Equipment Asset Management
   - Equipment and Materials
   - Special Tools and Equipment

6. Commissioning
   - Type A/B Deficiency Process
   - Trial Period

7. Application of Standard and Code for Commissioning and Operational Readiness
   - ANSI/ASME B31.3
   - ANSI/ASME B31.4
   - ANSI/ASME B31.8

Who Should Attend

Project Engineers, Maintenance Engineers, Operation Engineers, Civil Engineers, Mechanical Engineers, Process Engineer, Electrical and Instrument Engineers, QA/QC Engineers, Construction Engineers, and other personnel who will involved in the Commissioning

Your Course Leader

Rachmat Sudjana, ST

Education: - Industrial Engineering, University of Indonusa, - Mechanical Engineering, AKAMIGAS

Qualifications: - Professional Instructor for Oil and Gas Industry**,** - Technical Subject Matter Expert for Oil Company**,** - Lecturer and Mentor for Graduate Engineering Trainee**,** - Engineering Manager**,** - Senior Staff Pipeline/Facility Engineer**,** - Pipeline Material Selection Specialist

He possesses highly experienced and dedicated Professional Instructor with over 40 years of experience in the Oil & Gas industry, both domestically and internationally. Proven track record as a Technical Subject Matter Expert, Lecturer, and Mentor for graduate engineers. Skilled in pipeline material selection, facility engineering, and engineering management.

He is a seasoned professional with a passion for sharing knowledge, and eager to contribute his expertise to the next generation of engineers and continue to stay updated with industry developments.

He was an Oil & Gas Industry Practitioner in World class Oil Companies (Retired), Company Engineer of Foster Wheeler, Reading, UK, Lecturer , and Mentor of Graduate Engineering Trainee.

He presented technical papers at national and international forums **c**ontributed to the development of oil and gas industry professionals

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