LDI TRAINING
"Leading Edge Courses for Professionals" ™

An LDI Training Course

Operation of Floating Processing Units (FPUs) in Early Operation Years

by
Rachmat Sudjana, ST

Introduction

This course provides an in-depth understanding of the operation of Floating Processing Units (FPUs) during the initial years of operation. It covers plant characteristics, operational challenges, and the application of the bathtub curve and learning curve to improve efficiency and safety.

The Aims

Understand the fundamental principles of FPU operations.
Identify and manage early operational challenges.
Apply the bathtub curve and learning curve to optimize performance.
Develop strategies for maintaining safety and reliability.

Couse Contents

Introduction to Floating Processing Units (FPUs)

- Overview of FPUs and their role in offshore oil and gas production.
- Types of FPUs: FPSO, FLNG, FSRU, etc.
- Key components and systems of FPUs.

Early Operational Challenges

- Common issues faced during the initial years of operation.
- Case studies of early operational failures and lessons learned.
- Strategies for mitigating early operational risks.

The Bathtub Curve in FPU Operations

- Understanding the phases of the bathtub curve: infant mortality, normal and wear-out
- Identifying and addressing infant mortality failures.
- Maintenance strategies to extend the normal life phase.

The Learning Curve in FPU Operations

- Concept of the learning curve and its application in FPU operations.
- Improving operational efficiency through continuous learning.
- Case studies of successful learning curve applications.

Safety and Reliability in Early Operations

- Safety protocols and emergency response plans.
- Reliability engineering and risk management.
- Implementing safety management systems (SMS)

Who Should Attend

Facility Design Engineers, Operations Engineers, Mechanical Engineers, Electrical and Instrument Engineers, Process Engineers, and other personnel who will involved in the gas operation system

Your Course Leader

Rachmat Sudjana, ST

Education: University of Indonesia, 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 3-day intensive course will be conducted in Indonesian
- Training hours are from 08:00 to 16:00 WIB per day
- LDI Training will provided training facilities including 2x coffee break and lunch
- Participants will receive hard & Soft copy manual book and materials course
- Participants will receive a certificate after completing the training.

For more information please contact to

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