

OJT TRAINING · COMMISSIONING ENGINEER

Commissioning Management

For : **Mechanical Engineering, Piping, Electrical, Instrumentation**

Commissioning course for oil & gas plants: manage precommissioning and commissioning before handover, up to function tests.

- 21 trainings
- 24 lessons
- 100% online
- Mentor: I Putu Sukmajaya, MT – Senior Commissioning Manager



ABOUT THIS OJT

Learn straight from real projects with OJT Commissioning Management

Before an Oil & Gas/Industrial Plant is handed over to the project owner, the construction contractor (EPC) must run tests to make sure every facility works properly and meets all required specifications, both for performance and safety. This testing stage is called Precommissioning & Commissioning.

Precommissioning and Commissioning activities are coordinated by an expert called the Commissioning Manager, who masters multidisciplinary skills including piping, mechanical, electrical, instrument, process, safety and telecommunication.

The shortage of Commissioning Management experts in Indonesia means this position still offers many opportunities and a fairly high salary. Today a Commissioning Engineer with 5 years of experience can earn up to IDR 25 million/month, and abroad up to USD 10,000/month.

Precommissioning & Commissioning Management training is usually held internally by companies with expatriate speakers at around USD 2,000 per participant. The high cost often leads companies to send their staff to commissioning projects without first briefing them on the scope of work of the commissioning phase.

To spread and improve the competence of Indonesian engineers in Pre Commissioning & Commissioning, Terapan.id offers Pre Commissioning & Commissioning training at an affordable price.

TRAINING OBJECTIVES

After completing the training and the Final Project, you are expected to understand the basic duties of a Commissioning Manager, namely:

1. Preparing the Commissioning Deliverable List
2. Understanding Pre Commissioning & Commissioning procedures
3. Defining and identifying Systems and Subsystems
4. Preparing Markup Drawings (P&ID), Single Line Diagrams & Control Systems
5. Preparing the Instrument/Equipment List and Cable List
6. Understanding Check Sheets & Test Sheets
7. Preparing the Commissioning Flow/Sequence, Schedule & Manpower Loading
8. Preparing lists of Vendor Support, Spare Parts, Tools, First Fill and Consumables

CURRICULUM

What you'll learn

21 trainings · 24 lessons

- 1 Introduction of Pre Commissioning & Commissioning** 1 lessons
- 2 Organization & Discipline in Commissioning** 1 lessons
- 3 Commissioning Planning** 1 lessons
- 4 Tools, Test Equipment and Consumables** 1 lessons
- 5 System & Subsystem Identification** 1 lessons
- 6 System Markup Drawing** 4 lessons
P&ID · Instrument Control · Single Line Diagram · General Procedure & Operation Test
- 7 Mechanical Completion** 1 lessons
- 8 MC Walkdown & Punch List Categorize** 1 lessons
- 9 Static Commissioning** 1 lessons

10 **Dynamic Commissioning** 1 lessons

11 **CMS Software Overview, System Subsystem & Commissioning Deliverable List** 1 lessons

12 **Commissioning Check Sheet & Procedure** 1 lessons

13 **Commissioning Execution** 1 lessons

14 **Completion Certificate & Commissioning Hand Over** 1 lessons

15 **Minimum Document to be Prepared** 1 lessons

16 **Piping Test Package** 1 lessons

17 **Work Package Leak Test** 1 lessons

18 **Work Package Instrument/Electrical/Telecom** 1 lessons

19 **Work Package Mechanical** 1 lessons

20

Structure Building/Civil (road/pavement) 1 lessons

FP

Final Project 1 lessons

HOW IT WORKS

From first lesson to certificate

- 1 Download the video lessons & other materials from the link we send you
- 2 Study the video lessons on Commissioning Flow/Sequence, Schedule & Manpower Loading
- 3 Follow the trainer's instructions to prepare the markup boundary limit system/sub-system on the 2 (two) P&IDs provided
- 4 Follow the trainer's instructions to prepare the checklist & test sheet and the deliverable list for a project
- 5 Submit your work for review with the mentor via ZOOM (schedule to be arranged)
- 6 Enter your work into the commissioning software we developed (www.commipro.com)
- 7 Once completed and assessed as correct, your certificate will be issued

CHOOSE A PACKAGE

SINGLE OJT

OJT Commissioning Management

Skills required for a role in Commissioning Management

24 video lessons · real-project case studies · mentor discussion · 100% online

Rp 2.000.000



Sign up & full details at www.terapan.id

Questions? Chat on WhatsApp:

0851-3920-0080