

Certificate ID : CPOG-III-25-ATI-0153

**ENGINEERING ACADEMY**

Powered by Anak Teknik Indonesia

# CERTIFICATE OF COMPLETION

This certificate is proudly presented to

**Taraf Ghoniyal Muttaqin**

**Has successfully completed training of**  
**Commissioning Process For Oil And Gas Facilities**  
 (Pre-Commissioning, Commissioning, And Start-Up)  
**Delivered by Amer Hanafiah**  
*(Process/Production SME at IHRDC)*

**4 days training on 7,8,14,15 March 2025**  
**Total duration 600 minutes (10 hours)**

Date Issued  
 16 March 2025



**Arkastra Bhrevijana**  
 CEO Anak Teknik Indonesia

**Amer Hanafiah**  
 Commissioning Controller



# List of learning modules training of **Commissioning Process for Oil and Gas Facilities** (Pre-commissioning, commissioning, and start-up)

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## **Outline For The Training Program:**

1. Introduction To Pre-Commissioning, Commissioning, And Start-Up
2. Mechanical Completion And Pre-Commissioning
3. Commissioning Planning And Preparation
4. Commissioning Execution
5. Start-Up Planning And Preparation
6. Start-Up Execution
7. Post-Commissioning Activities

## **The Training Program Will Cover The Following Topics:**

1. The Importance Of Pre-Commissioning, Commissioning, And Start-Up
2. The Differences Between Pre-Commissioning, Commissioning, And Start-Up
3. The Objectives Of Each Stage
4. The Activities Involved In Each Stage
5. The Challenges And Risks Associated With Each stage
6. The Best Practices For Each Stage
7. The Roles And Responsibilities Of The commissioning Team
8. The Safety Considerations During Each Stage