

Certificate No : 00510/VI/2026/047/BTS

Date : 21 June 2026

**BontiStudio**



## CERTIFICATE OF ACCOMPLISHMENT

THIS CERTIFICATE GRANTED TO

**FITZGERALD PENTA**

For participating and completing the Final Test of our Training

### **COMPREHENSIVE PIPELINE CONSTRUCTION & COMMISSIONING**

organized by **INUSA Construction|Engineering Training**, covering the subjects listed on the back page with score Excellent

TRAINER :

**I PUTU SUKMAYASA**

CONSTRUCTION AND COMMISSIONING MANAGER (EPCI)



  
**Henny Puspitasari**  
Director

# **Comprehensive Pipeline Construction & Commissioning**

## **1. Pipeline Design & Drawing Fundamentals**

- Introduction to pipeline systems and project lifecycle
- Design basis, route selection, and engineering interfaces
- Reading and interpreting PFD, P&ID, and Alignment Sheet

## **2. Pipeline Material Procurement & Specification**

- Line pipe, fittings, valves, and coating specifications
- Material Take-Off (MTO), procurement process, and inspection requirements
- Key documents: Material Test Certificate (MTC), inspection report, delivery note

## **3. Pipeline Construction & Field Installation**

- Construction sequence: ROW preparation, stringing, welding, NDT, coating, lowering in, backfilling
- Installation of pipeline equipment: block valve, launcher, receiver, tie-in
- QA/QC and HSE compliance during construction activities

## **4. Pipeline Pre-Commissioning & Commissioning**

- Pipeline cleaning & gauging to ensure internal cleanliness and diameter acceptance
- Hydrotesting, dewatering, drying, nitrogen purging, and leak testing
- Pigging operations and operational readiness acceptance criteria

## **5. Documentation, Final Dossier & Project Handover**

- Compilation of ITRs, test packs, and as-built documentation
- Commissioning dossier and completion certificates
- Project handover to the operator and close-out process