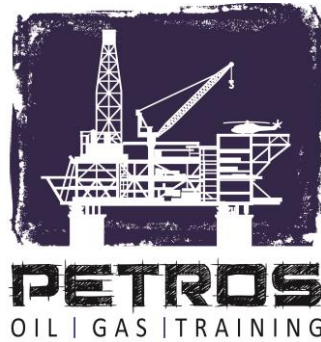


Certificate No : 2023-PTR-TIP-FOPD-INP-02  
Date : February 14<sup>th</sup> , 2023



# CERTIFICATE OF ACCOMPLISHMENT

This is to certify that

**IGNATIUS KRISTIAN DANARKO**  
ID NUMBER : TIP-FOPD-INP-002

has completed our training

**FIXED OFFSHORE PLATFORM DESIGN  
INPLACE ANALYSIS**

Held by **PETROS Oil Gas Training** – at PT. Tiga Inti Pilar , Jakarta,  
February, 9<sup>th</sup> ,10<sup>th</sup> ,13<sup>th</sup> & 14<sup>th</sup> , 2023, covering the subjects as listed on the back page



Certificate Validation

A handwritten signature in black ink, appearing to read "Heru Prasadja".

**Heru Prasadja, ST**  
Director

# FIXED OFFSHORE PLATFORM DESIGN-INPLACE ANALYSIS

## SUBJECTS

- **INTRODUCTION TO OFFSHORE STRUCTURES**
- **FIXED OFFSHORE PLATFORM COMPUTER MODELLING**
  - Joint Modelling
  - Joint Fixity
  - Joint Design
  - Member Modelling
  - Member Releases
  - Member Properties
  - Member Group
  - Member Offsets
  - Modelling Wishbone
  - Modelling X brace
- **LOADING**
  - General Loading
  - Joint load
  - Member load
  - Inertia Load
  - Member area & Plate area Loads
  - Simulation of Non - modelled load (Anode, Walkway, stairs etc)
- **ENVIRONMENTAL LOADING**
  - Wind Loads
  - Hydrodynamic Coefficients
  - Wave & Current loadings
  - Marine growth Load
  - Corrosion allowance
- **ANALYSIS**
  - Load Combination
  - Allowable stress modification factor
  - Unity check partition factor
  - Code check
- **POST PROCESSING**
  - Output listing file
  - Member review and redesign
- **JOINT CAN ANALYSIS**
  - Preparation of Joint can file
  - Interpretation of Joint can results
- **PILE SOIL INTERACTION**
  - Creation of PSI input file
  - Interpretation of results