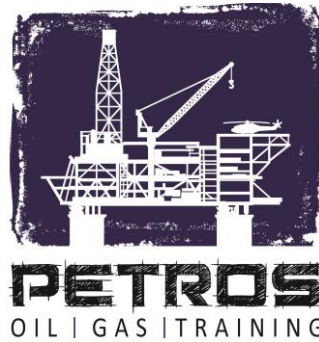


Certificate No : 2023-PTR-TIP-FOPD-INP-05
Date : February 14th , 2023



CERTIFICATE OF ACCOMPLISHMENT

This is to certify that

KEVIN YOSEPH MANUEL
ID NUMBER : TIP-FOPD-INP-005

has completed our training

**FIXED OFFSHORE PLATFORM DESIGN
INPLACE ANALYSIS**

Held by **PETROS Oil Gas Training** – at PT. Tiga Inti Pilar , Jakarta,
February, 9th ,10th ,13th & 14th , 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