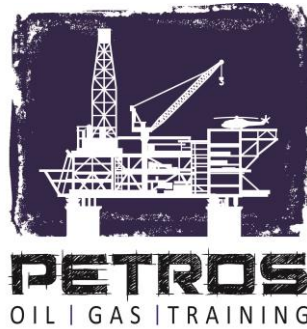


Certificate No : 2019-PTR-LE-001-08  
Date : October 21<sup>st</sup> , 2019



# CERTIFICATE OF ACCOMPLISHMENT

This is to certify that

**PETRUS WELDARSO**  
ID NUMBER : PTR-LE-001-08

has completed

**LIFTING/RIGGING ENGINEER TRAINING**

**Trainer :**  
**TAUFIQURRAHMAN, ST**  
*Certified Advanced Rigging Engineer - CA 90722 Wood Group*

Held by **Petros Oil Gas Training** – Jakarta  
October 19<sup>th</sup> to 21<sup>st</sup> , 2019 , covering the subjects as listed on the back page



Valid Through : Oct , 10<sup>th</sup> , 2022

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

**Heru Prasadja, ST**  
Director

# LIFTING/RIGGING ENGINEER TRAINING

## SUBJECTS :

- Basic Rigging
- Comprehensive Kinds of Wire Sling To Be Used For Lifting
- Wire Sling Using Methods
- Comprehends and Know Angle & Load Factor of Lifting
- Comprehends Formula for SWL/WLL & Load Calculation
- Comprehensive Kinds of Lifting Accessories
- Ascertain of General Lifting Procedure and Related Government Regulation for Lifting
- Qualifications of An Advanced Rigging
- Planning & Preparation
- Lift Plans for Dual Lifts
- Load Equalizing Gear
- Purchases
- Rigging of Cranes & Hoists
- Determine Center of Gravity
- Multi-Crane Lifts
- Shear Legs
- Flying Foxes & Cable Ways
- Towing, Dragging Loads

**EXAMINATION : PASSED**