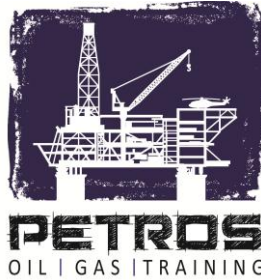


Certificate No : 2026-PTR-EC-LE-213
Date : August 14th , 2026



CERTIFICATE OF ACCOMPLISHMENT

This certificate is granted to

HARTANTO
ID NUMBER : PTR-EC-LE-213

For successfully completing the training

LIFTING/RIGGING ENGINEER

And meet all requirements with score:

84.10

of 100 points

Trainer :
IR. TAUFIQURRAHMAN, IPM
LEE A Approved Appointed Person for Lifting Operations (8483-24749-8151-66-2)

Held by **Petros Oil Gas Training**
July 08th to 18th , 2026, covering the subjects as listed on the back page



Valid Through :
August 14th , 2028


Heru Prasadja, ST
Director

LIFTING/RIGGING ENGINEER TRAINING

BASIC RIGGING

- Lifting/Rigging Principles
- Type of Slings
- Weight Calculation, SWL, Angle Factor & Sling Factor
- Lifting Gear/Accessories' (Shackle, Eyebolt, Clamp, Chain Block)
- Ascertain of general lifting procedure and related government regulation for lifting

SAFETY LIFTING

- Lifting Hazard
- Personal Safety Equipment
- Commons Systemic Lapses Involving Lifting Activities
- Hand Signal

LIFTING PROCEDURE

- Lifting Categories (light, heavy, critical)
- Lifting Team
- Risk Assessment & How to Control the Hazard
- Pre Lift Safety Check
- Statutory Inspection of Lifting Equipment
- Communication
- Rigging Plan Preparation Check List

ADVANCE RIGGING

- Pre-use Inspection of Lifting Equipment
- Recommended Rigging, Slings Methods & Calculation
- Sling Factor, Angle Factor, Estimation Weight, Determine Weight & COG
- Lifting Plan
- Multi Crane Lift
- **Practice** : Lifting Calculation for Structural Modul Installation (52 Ton) using Crane Kobelco SL6000

FINAL EXAMINATION :

- **LIFTING STUDY FOR INSTALLATION OF 28 TON E-HOUSE MODULE USING CRANE KATO NK 5000**
 - Making Lifting Plan Calculation
 - Making Lifting Method Statement
 - Making Job Safety Analysis
 - Making Lifting Plan Drawing