OJT TRAINING · OFFSHORE STRUCTURE ENGINEER

Offshore Structure Design-Inplace Analysis (SACS)

For : **Civil Engineering, Ocean Engineering, Naval Architecture**

Online SACS training: analyze offshore jacket platforms in operating conditions from real projects.

- 6 trainings
- 32 lessons
- 100% online
- Mentor: Heru Prasadja, ST - Senior Offshore Structure Engineer



ABOUT THIS OJT

Learn straight from real projects with OJT Offshore Structure Design-Inplace Analysis (SACS)

Online OJT – Jacket Inplace Analysis is a training course that specifically discusses the analysis of offshore oil drilling platform structures during operational conditions.

In this training, you will learn from scratch how to model the lower structure (jacket) and upper structure (deck) using SACS software, input various design parameters in accordance with API RPA 21th, various loads on the deck, and environmental loads such as wave, current, and wind loads, resulting in a complete jacket and deck model.

This knowledge will serve as the foundation for conducting further analyses such as Lifting, Load Out, Transportation, Seismic Analysis, etc.

After practicing a case study, you will be asked to complete a final assignment modeling another structure under guidance from a mentor.

CURRICULUM

What you'll learn

6 trainings · 32 lessons

1 **Inplace Analysis Theory** 1 lessons

2 **Inplace Analysis Computer Modelling** 23 lessons

Define Splash Zone, Minimum & Maximum Water Depth, Air Gap · Define Jacket & Deck Dimension & Leveling · Jacket & Deck Frame modelling · Jacket Leg & Pile · Conductor · Vertical & Horizontal Bracing · Main Deck & Cellar Deck Frame · Define Steel Section · Corrosion Allowance · Define Member Group · Define Member Offset · Define Effective Length · Define Span Member · Define Splash Zone, Minimum & Maximum Water Depth · Define Drag & Mass Coefficient (Cd & Cm) · Define Marine Growth · Define Of Loadings on Platform (Structure, Mechanical, Piping, EI, WOR, Crane, etc) · Define Of Seastate Loadings (Current, Wind, Wave) · Provisions, Contingencies Load Factor · Define Operating & Extreme Loading Combinations (Minimum & Maximum Water Depth) · Increased Allowable Stress · Unity Check Part · Setting Inplace Analysis Option

3 **Soil Data** 1 lessons

Preparation Of Soil Input Data (P-Y, T-Z, Q-Z)

4 **Check Result as per API RP 2A & AISC 360-16** 5 lessons

API/AISC Member Stress Ratios · API/AISC Joint Punching Shear Stress Ratios · API/AISC Joint Minimum Required Strength Ratios · Deflections Checks · Piles Axial Capacity And Unity Check

5 **Analysis Report Preparation** 1 lessons

FP **Final Exam** 1 lessons

Inplace Analysis For Fixed Offshore Platform (4 Leg, 79 M Water Depth)

HOW IT WORKS

From first lesson to certificate

1. Download all materials
2. Watch the tutorial videos carefully
3. Practice modeling the Inplace Jacket as shown in the videos
4. Complete the final assignment of designing the Jacket & Deck that we provide
5. Consult with your mentor about the final assignment via WA Group/Email.
6. For final assignments that have been approved, a certificate will be issued

CHOOSE A PACKAGE

SINGLE OJT

OJT Offshore Structure Design-Inplace Analysis (SACS)

Skills required for a role in Offshore Structure Design-Inplace Analysis (SACS)

32 video lessons · real-project case studies · mentor discussion · 100% online

Rp 2.500.000

COMPLETE PACKAGE Best value

OJT Offshore Structure Engineer Complete Package

The right choice if your goal is to work as Offshore Structure Engineer: no skill left behind, one single payment.

2 OJT Trainings at once: every skill you need to work as Offshore Structure Engineer.

Offshore Structure Design-Inplace Analysis (SACS) **(this OJT)**	Rp 2.500.000
Offshore Structure Design -Preservice Analysis (SACS)	Rp 3.500.000

~~Rp 6.000.000~~ **Rp 5.500.000** **Save Rp 500.000 (8%)**

Sign up & full details at **www.terapan.id**

Questions? Chat on WhatsApp:

0851-3920-0080