TRAINING OJT · OFFSHORE STRUCTURE ENGINEER

Offshore Structure Design -Preservice Analysis (SACS)

For : **Teknik Sipil, Kelautan, Perkapalan**

Training SACS preservice: load out, transportation & lifting analysis offshore dari Real Project.

- 3 training
- 84 materi
- 100% online
- Mentor: Heru Prasadja, ST - Senior Offshore Structure Engineer

TENTANG OJT

Belajar langsung dari Real Project lewat OJT Offshore Structure Design -Preservice Analysis (SACS)

OJT-Training SACS Preservice Analysis adalah training perancangan struktur anjungan minyak lepas pantai pada kondisi pemasangan/preservice. Dalam training ini Anda akan belajar 3 analisa utama yaitu :

1. Load Out Analysis

Analisa Struktur Anjungan saat akan dimuat dari yard ke kapal pembawa (barge)

2. Transportation Analysis

Analisa Struktur Anjungan saat dibawa oleh kapal pembawa (barge)

3. Lifting Analysis

Analisa Struktur Anjungan saat diangkat oleh Heavy Vessel Crane untuk diletakan struktur bawah (jacket)

Training ini tidak hanya membahas bagaimana mengoperasikan software, namun akan berlatih menggunakan kasus dari proyek migas sebenarnya, mengaplikasikan standar design (Design Basis) yang serupa dengan proyek sebenarnya hingga membuat laporan desain sesuai standar proyek perusahaan Migas.

SYARAT : Sudah lancar mengoperasikan SACS

KURIKULUM

Apa yang akan Anda pelajari

3 training · 84 materi

1 Lifting Analysis 25 materi

Theory · Design Premises · Reference Documents · Method Of Analysis · Boundary Conditions · Allowable Stress · Contingency Factor · Dynamic Amplification Factor · Consequence Factor · Skew Effect · Rigging Arrangement · CoG Variation · Hook Point · Slings · **Loading** · Load Definition · CoG Shift Force Calculation · **Loading Combination** · Loading Combination Without Consequence Factor · Loading Combination For Member Connecting To Padeye · Loading Combination For Member Not Connecting To Padeye · **Lifting Analysis Computer Modelling** · **Analysis Result** · Weight Summary · Centre Of Gravity · Maximum Sling Load · API/AISC Member Stress Ratios · API/AISC Joint Punching Shear Stress Ratios · API/AISC Joint Minimum Required Strength Ratios · Joint Deflection · **Lifting Analysis Report Preparation**

2 Transportation Analysis 31 materi

Introduction · Objective Of The Analysis · Design Premises · Project Specification & Design Criteria · Codes and Standards · API RP2A-WSD. 21st Edition · AISC 13th Edition/ASD · Weight Provisions · Weight Contingencies · Loading · Gravity Load · Barge Motion · Roll, Pitch & Heave Coefficient · Deck Position On the Barge · Force Inertia due to Roll & Pitch · Forces Due To Roll, Pitch and Heave Motions · Wind Load · Loading Combinations · Static Case · Dynamic Cases : · Roll + Heave · Pitch + Heave · 80% roll + 60% Pitch + 100% Heave · 60% roll + 80% Pitch + 100% Heave · Transportation Analysis computer modeling · Deck Position on the Transportation Barge Assumption · Structural Model · Boundary Conditions · Sacs Run Stream · Transportation Analysis Report Preparation · FINAL PROJECT : TRANSPORTATION ANALYSIS OF 103 TONS DECK PLATFORM

3 Load Out Analysis 28 materi

Basic Theory · **Method Of Analysis** · A normal set of conditions: · All support active. · A vertical displacement of ± 30 mm is imposed on each of the 4 supports alternatively. · An extreme set of conditions: · Each support is successively released: · A maximum vertical displacement of ± 60 mm is imposed on each of support alternatively · **Structural Analysis** · Basic Load Case · Elementary Load Cases · Gravity Load · Variation Of CoG Location · Displacement Of Support · Wind Load · Friction Load · Load Combination · Full skidway support + Shifting + Wind · Loss support + Shifting · Each Support preset 30 mm upward + Shifting+Wind · Each Support preset 30 mm downward + Shifting + Wind · Each Support preset 60 mm upward + Shifting+Wind · Each Support preset 60 mm downward + Shifting + Wind · **Loadout Analysis Computer Modeling** · Model and Input Data · Create Loadout Input File · Running The Analysis · **Analysis Of Results** · Total Deck Weight, Centre Of Gravity, Support Reactions , Deflection · API/AISC Member Stress Ratios · API/AISC Joint Punching Shear Stress Ratios · API/AISC Joint Minimum Required Strength Ratios · **Report Preparation** · FINAL PROJECT : LOADOUT ANALYSIS OF 293 TONS GTS DECK PLATFORM

CARA BELAJAR

Alur belajar sampai sertifikat terbit

1. Download semua materi dari link yang kami kirimkan
2. Simak Video dengan seksama.
3. Praktekan kasus Latihan 3 analisa seperti yang disampaikan di video.
4. Kerjakan kasus Tugas Akhir 3 analisa yang kami berikan.
5. Konsultasikan Tugas Akhir dengan mentor via WA Group/Email.
6. Bagi Tugas Akhir yang sudah mendapatkan persetujuan, sertifikat akan diterbitkan

PILIH PAKET

SATUAN

OJT Offshore Structure Design -Preservice Analysis (SACS)

Skill yang dibutuhkan untuk menjadi Offshore Structure Design -Preservice Analysis (SACS)

84 materi video · studi kasus Real Project · diskusi dengan mentor · 100% online

Rp 3.500.000

PAKET LENGKAP **Paling Hemat**

Paket Lengkap OJT Offshore Structure Engineer

Pilihan tepat bila target Anda bekerja sebagai Offshore Structure Engineer: tidak ada skill yang tertinggal, cukup sekali bayar.

2 Training OJT sekaligus: semua skill yang dibutuhkan untuk bekerja sebagai Offshore Structure Engineer.

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

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

Daftar & info lengkap di **www.terapan.id**

Konsultasi via WhatsApp:

0851-3920-0080