

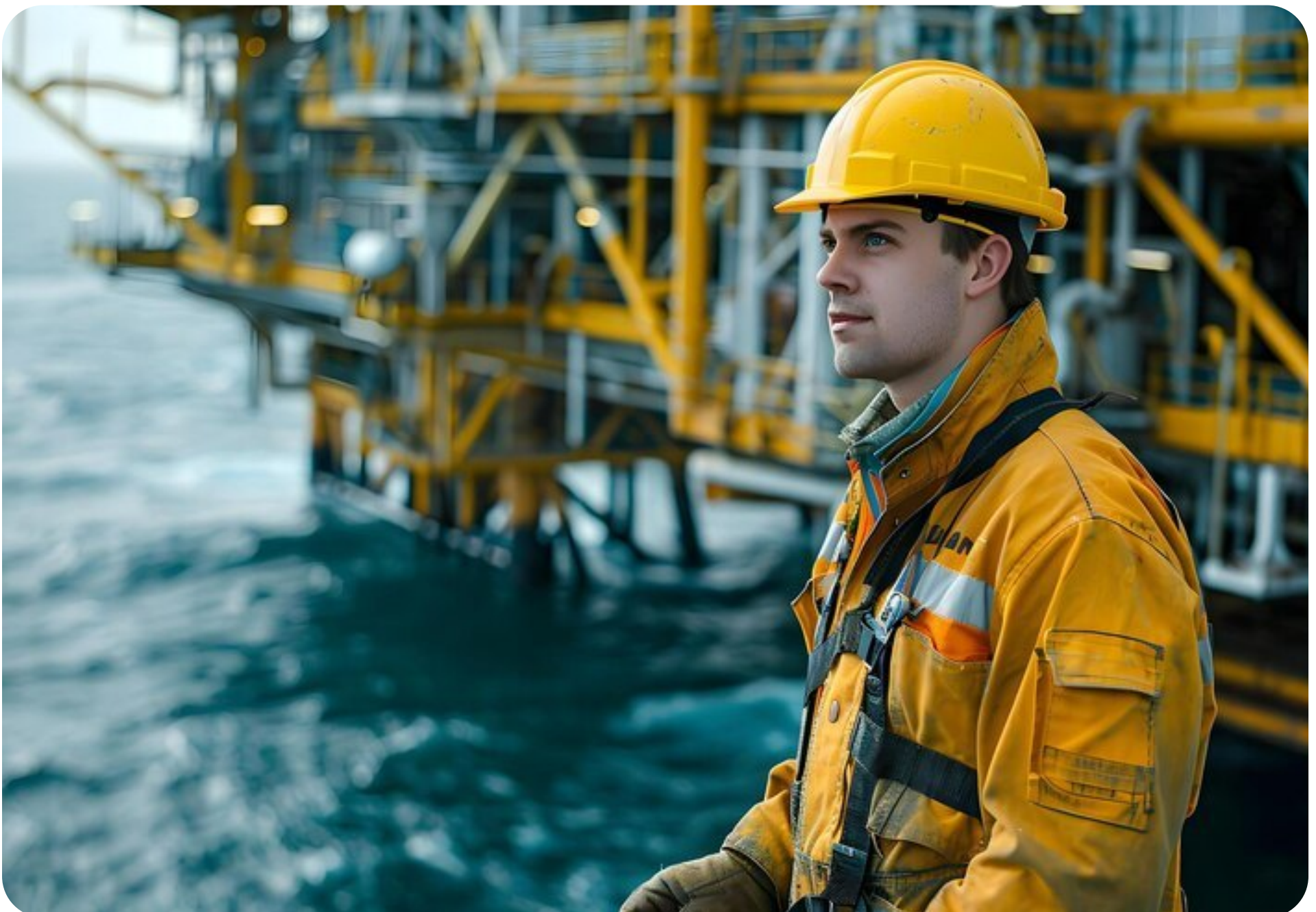
OJT TRAINING · PIPE STRESS ENGINEER

Pipe Stress Analysis

For : **Mechanical Engineering, Metallurgy, Materials Engineering**

Pipe stress analysis training for an oil & gas pipe stress engineer career: piping stress, supports and nozzle loads per ASME B31.3.

- 6 trainings
- 22 lessons
- 100% online
- Mentor: Ir. Benny Setiawan – Senior Pipe Stress Engineer



ABOUT THIS OJT

Learn straight from real projects with OJT Pipe Stress Analysis

In this Online OJT you will learn to analyse 2 piping systems:

- Pipe Stress Analysis between Equipment Pipe
- Pipe Stress Analysis for Suction Pump

The case studies used are not simple cases; they are taken from a Real Project, and you are taught how to prepare the Calculation Report in the report format used on Oil & Gas projects.

At the end of the training you will be given a Final Project to complete, and you can consult on it with the Mentor via WA/Email. Revise the analysis whenever there are comments until all of the analysis is correct.

Note: Terapan.ID does not provide analysis software links to participants. The analysis software can be obtained independently by searching the internet.

CURRICULUM

What you'll learn

6 trainings · 22 lessons

1

Basic Theory 9 lessons

Scope of Work of Pipe Stress Analysis Engineer · Project Technical Specifications · Pipe Stress Isomeric Drawing · Critical Line List Criteria · Pipe Stress Overview · Introduction to Pipe Stress Design Code/Standard · Pipe Stress Analysis Load Cases · Wind Load · Earthquake Load

2

Pipe Component 1 lessons

Node, Element, Bend, Tee, Reducer, Flange, Valve, Restrain. Wind Load, Earthquake, Spring Support, Expansion Joint, Etc

3

Pipe Design Load Case 8 lessons

Local Stress at Nozzle of Vessel According to WRC 107/297 · Nozzle Load of Heat Exchanger According to API 661 · Nozzle Load of Pump According to API 610 · Flange Leakage Check · Pipe Support Type and Load · Expansion Loop · Piping maximum displacement Sustain Case · Piping maximum stresses requirements for ASME B31.3

4

Study Cases 2 lessons

Pipe Stress Analysis between Equipment Pipe (Pressure Vessel) · Pipe Stress Analysis for Suction Pump P01-A/B

5

Pipe Stress Analysis Report Preparation 1 lessons

FP

Final Project 1 lessons

Piping Stress Analysis for Suction Pump 04-P-5202-A/B

HOW IT WORKS

From first lesson to certificate

- 1 Download all Video Tutorials & Handbook
- 2 Re-practise all the cases presented in the videos
- 3 Complete the Final Project given
- 4 Consult with the Mentor if you run into problems
- 5 Revise the modelling if there are comments from the Mentor
- 6 Make sure the analysis results meet the code standards
- 7 Present the analysis results in a Calculation Report
- 8 The certificate is issued to those whose Final Project receives APPROVED status from the Mentor

CHOOSE A PACKAGE

SINGLE OJT

OJT Pipe Stress Analysis

Skills required to become a Pipe Stress Engineer

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

Rp 2.500.000



Sign up & full details at www.terapan.id

Questions? Chat on WhatsApp:

0851-3920-0080