

Dynamic Piping Stress Analysis

CAESAR II

February 26 – 30
2021



COURSE OBJECTIVE

This course (workshop) is crafted for engineers and specialists seeking for further knowledge on the analysis of piping system under dynamic load conditions using CAESAR II.

Participants would be able to apply their skills in CAESAR II to solve and analyze dynamics stress problems.

This course combines understanding of piping vibration through extensive applications of the software to actual field history cases and exercises. It will enhance the analytical capability for piping stress and flexibility analysis at dynamic load conditions.

CONTACT INFORMATION

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Muhsen AlSannaa

The instructor is an experienced piping & pipelines consultant with over 35 years solving various field problems in his area of expertise, reviewing design projects, performing piping stress analysis. He has developed standards, research concepts & SOW. He was a leader for engineers & designers.

He has been teaching stress analysis since 1994 for ASME local chapter, Saudi Aramco and local community.

COURSE OUTLINE

- Introduction to Dynamic Loading and
- CAESAR II Features
- Applications of Modal Analysis
- Overview of piping vibration
- Harmonic Analysis & Its Application
- Time History Analysis
- Spectrum Analysis
- Applications of Vortex Shedding
- Special Topics

WHO SHOULD ATTEND

- Engineers experienced with CAESAR II
- Pipe Stress Engineers
- Vibration Specialists
- Piping Engineers
- Design Engineers
- Reliability Engineers involved in O&G and Petrochemicals.

Time	Activities
08:00 - 12:15	Morning session 1
12:15 - 13:30	Prayer & Luncheon
13:30 - 17:00	Afternoon session 1

معتمدة من

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