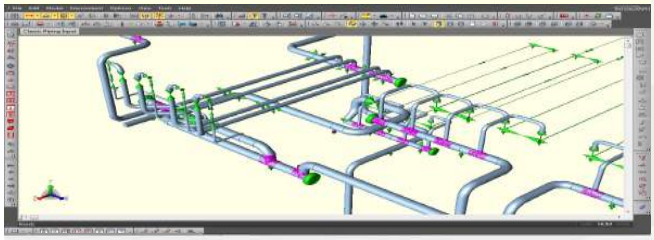
Dynamic Piping Stress Analysis CAESAR II

WHO SHOULD ATTEND

- Engineers with knowledge of CAESAR II
- Pipe Stress Engineers
- Vibration Specialist
- Piping Engineers
- Design Engineers
- Reliability Engineers involved in O&G and Petrochemicals.



Course Outline

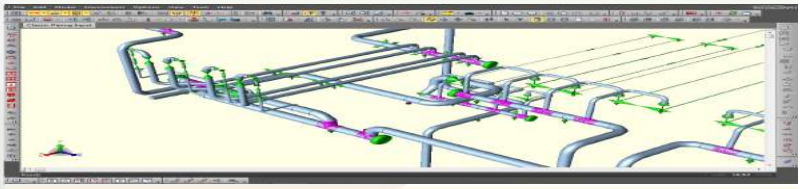
~ CAESAR II features for dynamic analysis feature
~ Understanding dynamic loading
~ Modal analysis for solving vibration problems
~ Failure theory and dynamic loading
~ Modeling of two phase flow
~ Modeling harmonic situation
~ Time history conditions
~ Analysis of earthquake
~ Piping under wave condition for offshore
~ risers
~ Model fine tuning

COURSE OBJECTIVE

This 4 days (32 hours) 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.



Instructor: 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 1993.