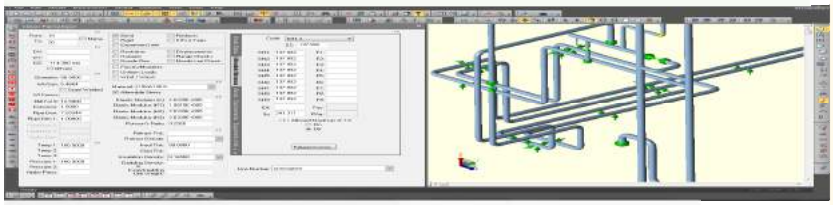
Practical Piping Stress Analysis CAESAR II

COURSE OBJECTIVE

Once this course is completed, participants will be able to use **CAESAR II** piping flexibility and stress analysis computer base software.

Moreover, they will gain adequate knowledge on the application of the software to the ASME B31.3, 4 & 8 Codes.

This course effectively combines the understanding of piping stress and flexibility analysis through extensive applications of the software to actual field history cases and class exercises.



Course Outline

~ Basis of piping flexibility
~ Understanding CAESAR II features
~ Failure theory
~ Practicing CAESAR II
~ Basis of Stress Intensification Factor
~ Solving overstressed piping
~ Modeling of long pipelines
~ Evaluating effect of friction
~ Fine tuning of models
~ Modeling around rotating equipment
~ Analysis of underground piping
~ Dynamic analysis
~ Modal analysis to solve vibration issue

WHO SHOULD ATTEND

This course is designed for Professionals working in the following fields:

- Pipe Stress engineers
- Piping Design Engineers
- Project Engineers
- Operation Engineers
- Process engineers
- Engineers involved in O&G and Petrochemicals.
- Designers doing modeling

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.