

Piping Stress Analysis - CAESAR II

4 Days Static + 1 Day Dynamic

October 3rd to 7th
2021

COURSE OBJECTIVE

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

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 exercises.

WHO SHOULD ATTEND

This course is designed for:

- Pipe Stress engineers
- Design Engineers
- Project Engineers
- Operation Engineers
- Engineers involved in O&G.
- Experience Designers

Muhsen AlSannaa

The instructor is an experienced piping & pipelines consultant with over **37** 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 this course since 1994 for ASME Chapter, Saudi Aramco & local engineering community.

<https://www.linkedin.com/in/muhsen-sannaa/>

COURSE ACHIEVING GOALS

- Understanding piping stress software methodology
- Applying the ASME Codes & Standards properly for stress analysis
- Reading & understanding the input/ output.
- Gaining skills to analyze field piping flexibility problems and piping layout
- Troubleshooting of CAESAR-II piping models.
- Fine-tuning of models.
- Analysing buried piping systems.
- Relating analysis to field cases which
- Correlating piping vibration with CAESAR II modal analysis

Time7	Activities
08:00 - 12:15	Morning session 1
12:15 - 13:30	Prayer & Luncheon
13:30 - 17:00	Afternoon session 1



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