



**HEXAGON**

# CAESAR II

## Training Seminar

Learn the latest technology at this hands-on, computer-aided pipe stress analysis training course.



Tuesday,  
23-25 OCT, 2023



Time  
8:30 am - 5:00 pm



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Presented by  
**Gary MacLeod**

## CAESAR II Training Agenda

### STATICS

- Pipe Stress Basics
- Piping Code Basics (Chapter 1)
- Caesar II Input
  - Class Exercise: PIPE1
- Support Guidelines
  - Class Exercise: SUPPORT1
- Load Cases
  - Code Defaults
  - Occasional Loads
  - Combination methods
- Design Process
- Class Exercise: TUTOR
  - Expansion Loops
  - Input techniques
  - Friction
  - Nozzle Flexibility
  - Vessel modelling
  - Steel Structures
  - Expansion joint
- Hanger Sizing
  - Class Exercise: PUMP

### DYNAMICS

- Basic Dynamic Theory
- Class Exercise: MODAL and HARMONIC TDRPM
- Spectral Analysis
- Class Exercise: Seismic E6S-C
- Class Exercise: RELIEF
- Class Exercise: SNFAIL