

# **Training Syllabus**

## Day 1 -2 -3

#### Piping Code Basics:

CAESAR II Piping Input simple re-design for expansion load-based Piping Design, assorted modelling, analysis and compliance topics through an example.

#### Topics Addressed include:

- General Modelling
- Stress Analysis,
- Pump Evaluation,
- Hanger Sizing,
- System Redesign,
- Structural Steel,
- Expansion Joints,
- Nozzle Flexibility
- Local Stress Evaluation

# TERGRAPH

## Day 4-5

Modelling and analysis of a transmission line

- buried pipe modeller
- fatigue evaluation
- load case manipulation

Modelling and analysis of a jacketed riser

- list/edit modelling
- jacketed pipe,
- wind and hydrodynamic loading

Modelling and analysis of fiberglass reinforced plastic pipe

- FRP evaluation
- static seismic loads.

Analysis documentation and static analysis workshop

- model generation
- system evaluation
- system redesign