multisoft

Bentley AUTOPIPE

Course Content

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Module 1 Modeling

- Single line, wire frame and solid render drawing modes
- Cad style single, double, or quad view ports
- English, metric, SI, and user defined units
- Extensive ANSI/ASME, DIN EN, JIS, GD, GB, GOST, and GRP/FRP standard
- Automated ring main wizard
- Automated ASCE soil calculator

Module 2 Dynamic Analysis

- Time historic dynamic analysis with ground motion
- Mode shapes, acceleration's, and natural frequencies
- Harmonic load analysis
- Multiple spectrum enveloping
- Automatic mass discretization

Module 3 Piping codes

- ASME B31.1, B31.3, B31.4 and B31.8
- B31.4, B31.8, B31.4 Offshore
- Canadian CAN/CSA- Z662
- British Standard BS 806, BS7159 [GRP piping code]

Module 4 Analysis

- Unlimited static analysis
- Automatic generation of wind profiles as per ASCE and UBC guidelines
- Wave loading and buoyancy for offshore applications
- Thermal stratification bowing analysis

Module 5 Input and Results

- Automated batch processing
- Maximum intermediate stresses
- Reference point for manufacturing equipment loading reports