Plantware

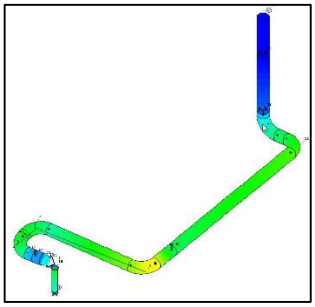
Pipe Design: Pipe Flexibility P-103

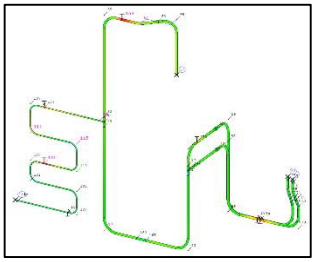
Design of Piping Installation according to PED and EN13480 for different applications such as

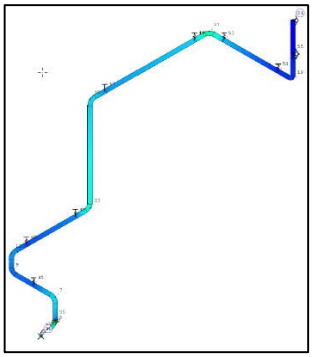
- Power Plant
- Waste Incineration Plants
- Sludge Incineration
- Refineries
- Plant for Super Critical Process
- Pharmaceutical Plants
- District Heating
- Chemical Plants

With Pipe Flexibility Calculations to determine

- 3D Geometry verification
- Support Design – Spring
- Support Design – Constant Load
- Fix Point – Fixed
- Fix Point – Sliding (Axial/Lateral)
- Flexible Joints – Type, Length and Maximum movements (Angle, Lateral and Axial)
- Load on adjacent Equipment Nozzles (Tanks, Pumps etc.)
- Tube Shell thickness
- Fittings Shell thickness for elbow and reducers.
- Bend Shell thickness
- Load on Structural Steel







Pictures from various projects: Top Picture: SRV Blowoff Line; Middle picture from Super Critical Process with Inconel piping with 300 barg @ 300°C as design condition; Bottom Picture: SRV Blowoff Line.

P-Engineering uses e.g.

- AVEVA PDMS Software for 3D design
- DXT EN13480 Software for Detail Calculations
- LISEGA Support Design Tool
- ROHR2 software for Pipe Flexibility Calculations

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