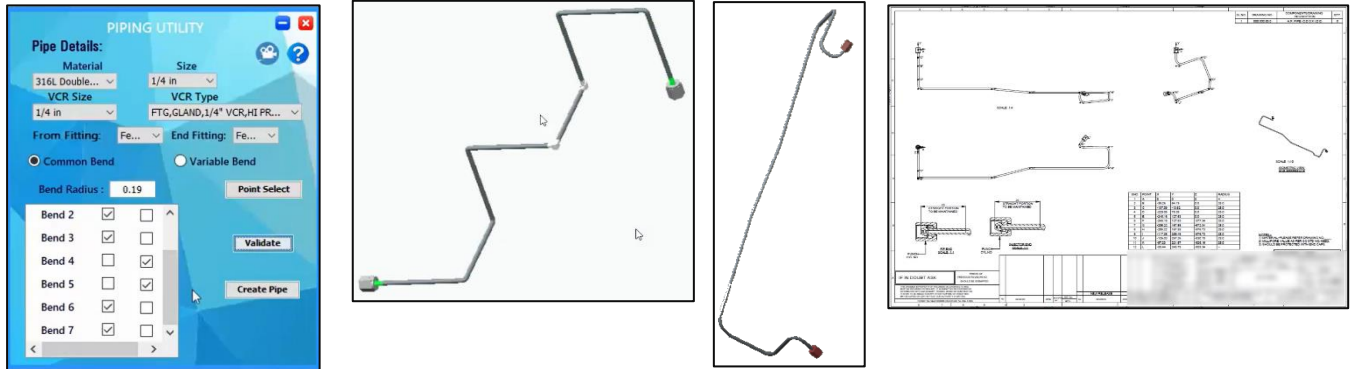# Piping Utility

Application Overview / Market Segment Introduction:

Piping Utility will help the user to create a Piping assembly by the selection of connectors & points. The user will have to select the number of points, Bend radius, pipe OD and thickness and type of connectors. After selection (user input), the piping assembly with corresponding drawing will be produced.

Current Scenario (Without Application):

User need to Manually:

- 3D Pipe model creation.
- Assembling the Elbow & Connectors.
- Drawings creation along with bend table.

Negative consequences:

- Time consumption
- Chance of choosing wrong Elbow & connectors.
- Chance of missing bend point

Positive Business Outcome:

- **ROI** – quick Return on Investment (ROI) considering the significant time savings and reduced ECN's.
  - o **Time to market** – Few clicks solution to get entire Piping Assembly along with the drawing.
  - o **Enhanced User Productivity** - Saving up to 80-90% of Piping design time.
- **Standardization** – Standardization of Process as per company standards.
- **Quality output:**
  - o **Error Free** – Eliminates errors (like - Interference, wrong input value, wrong elbow & connect choosing, etc.).
  - o **Inbuilt validation** - This will eliminate non-realistic values being used as inputs.
  - o Intelligent to suggest the elbow & connector.

How it adds value:

- Works with PTC Creo (Pro/ ENGINEER) Basic foundation license.
- Few clicks solution to get entire Piping Assembly along with the drawing.
- In built Part number configurator.
- Assemble the required parts automatically.
- Automatic Bend table in 2D Drawing.

List of satisfied users:

- KOEL
- LAM Research

*For more info contact CADOpt Technologies Private Limited at: **info@CADOpt.com** or visit our website at **www.CADOpt.com***