

## Food: Cheese Production

### P-297

P-Engineering performs design of Cheese Production Lines

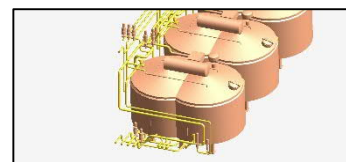
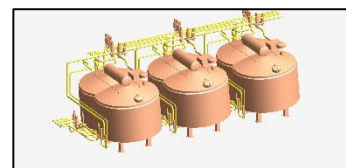
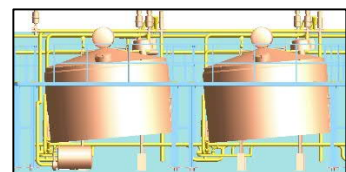
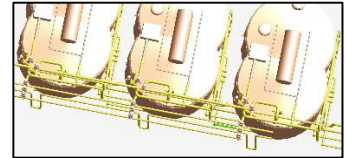
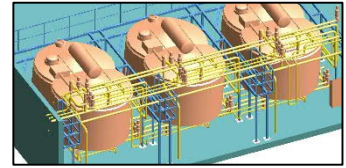
P-Engineering offers a full Detail Engineering Package including

- GA – 3D General Arrangement
- DA – 2D/3D Detail Arrangement
- Pipe Design
  - CIP – Loops
  - Heating Supply
  - Product Lines
  - Utility Support Lines
- Fabrication Pipe Isometrics
- Pipe Support with Fabrication Drawings
- Pump Sizing and Selection
- Valve/Control Valve Sizing
- BoQ for FRQ for
  - Pipe Items – Fittings & Tube
  - Pipe Welding's by Size and Quality
  - Steelwork by profile type
- Vessel Design for Misc. Process Tank - Pressure less
- Vessel Design for e.g., Condensate Collection etc. Pressurized
- Cable Trays Arrangement – Power, Signal & Network
- Electrical Equipment Arrangement MCC's and PDB's.
- Control Equipment Arrangement – Network and Remote I/O.

P-Engineering uses AVEVA PDMS for General 3D Plant Design, Solidworks for Vessel Design, DXT-software for EN13445 and EN13480 design.

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*Pictures from a very large Ultrafiltration Installation in Food & Beverage Ingredient – Lactose Production - placed in Germany.*