

Building Utility: Cent. Cooling

P-341

Unit for Production of Central Cooling Production for either District Cooling or Chiller feed. The design is in line with a Unitized Design philosophy aiming at speeding up the site construction works. This System Contains of e.g.,

- Heat Exchanger 2x70%
- Circulation Pumps 2x70%
- Control Valve
- Balancing Valves
- Tube/shell Heat Exchangers for Hot Tap Water, 2x100%
- Circulation pump Hot Tap Water

Design package contains off:

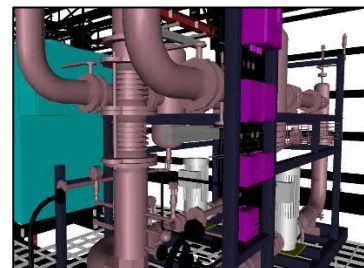
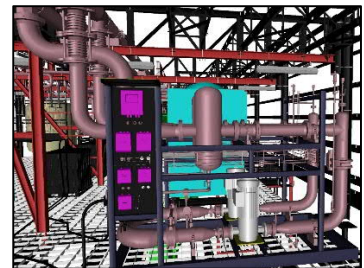
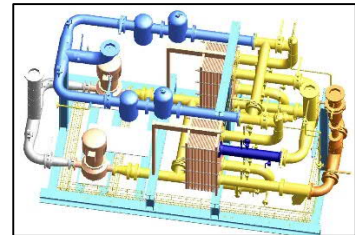
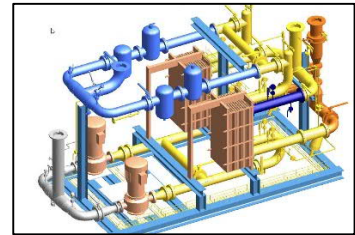
- Pipe Design; 3D
- Pipe Design; EN 13480
- Support Design
- Valve Sizing
- Pump Sizing
- Instrumentation
- Electrical Supply and MCC
- Process Control

For all areas manufacturing drawings will be created – PFD, PID, Piping Isometrics, Pipe Support, Support Frame, MCC Single Line Diagrams, Instrument Hook-up, Cabling, Functional Descriptions, SCADA specification, SAT & FAT test, [DS3090](#) Test Paradigms

P-Engineering will use [AVEVA PDMS](#) as 3D software and [DXT-software](#) for pipe and vessel calculation.

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Pictures from a Utility Installation in relation with a pharmaceutical plant (DK).