

## Building Utility: Evap. Cooling

### P-342

Layout of Cooling Installation based on Evaporation Cooling Towers for e.g., Hospitals, Large Building or Process Plants with detail Design of Process Installations. Design of e.g.,

- PFD
- PID w. full TAG-numbering
- General Layout 3D
- Detail Layout 2D and 3D
- Pipe Layout and Detailed Design
- Support Structures & Pipe Support

Design Package includes

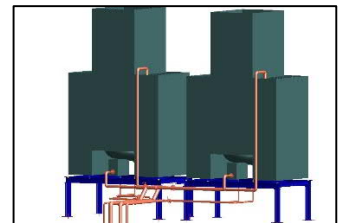
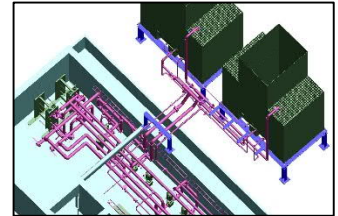
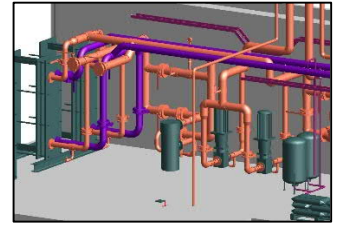
- Piping Design acc. EN13480
- Vessels Design acc. EN13445
- Cooling Tower Sizing and Specification
- Steel acc. Eurocode
- Platforms acc. Eurocode
- Access Stairs and Ladders
- Instrumentation
- Water Quality Monitoring
- Make-up Water System
- Control System – General Spec., Functional Descriptions, SCADA specification etc.
- Pumping Sizing and Selection
- Control Valve Sizing/Selection
- MCC's and Electrical Supply
- Cabling – Power, Signal & IT

P-Engineering uses e.g.

- [AVEVA PDMS](http://www.aveva.com) Software for 3D design – [www.aveva.com](http://www.aveva.com)
- [Pipeflo®](#) for Piping and Pump Sizing
- [CONVAL®](#) for Control Valve and SRV Sizing
- [DXT](#) Software EN13445 and EN13480

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*Pictures from an Industrial Cooling Installation for Industry – Danfoss – Design work performed for Rambøll - [www.ramboll.com](http://www.ramboll.com)*