

## Central Cooling: Fan Coil P-136

P-Engineering designs Fan Coil Solutions for cooling of e.g.,

- Server Rooms
- Switch Gear Rooms
- Printing Rooms

LCP – Local Control Panel – controls both Fans Speed (either VSD or 3-step fan) as well as flow of cooling water through Mixing Loop with 3-way Control Valve. With this setup the optimized operation point can be found for maximum heating of the cooling water.

Mixing Loop will be prefabricated, and skid mounted.

P-Engineering makes detail designs including:

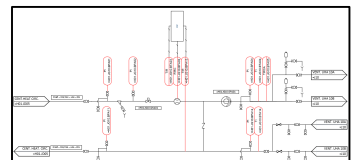
- PID
- Overall Sizing
- Pipe Design for Fabrication
- Control Valve Specification
- Instrumentation – Temp., Pressure and Energy Meter
- LCP/MCC and Power Supply
- Cabling Project – Signals, Bus, Network and Power
- BMS – General Descriptions, Functional Description and SCADA Specification

P-Engineering uses e.g.

- [AVEVA PDMS](#) Software for 3D design
- [PipeFlo®](#) for Pipe Sizing and Pump Selection
- [CONVAL®](#) for Control Valve Sizing and Selection

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*Fan Coil Installation in Switch Gear Room of a Company Head Quarter. Installations were visible here to maximize the volume of the room for better operation of the Fan Coil.*