

Heat Pumps: Utility Install.

P-306

For the Overall Layout of large-scale Ammonium based Heat Pump Installations for e.g., Power Plants or Incineration Plants with detail Design of Utility Installations. Design of e.g.

- PFD
- PID w. full KKS-numbering
- Fire Strategy (with Certified Partner)
- General Layout 3D
- Detail Layout 2D and 3D
- Operation and Emergency Ventilation Design
- Drainage System and Drain Gathering
- Access Ways and Doors with Coordination with Safety System

Design Package includes

- Steel acc. Eurocode
- Platforms acc. Eurocode
- Ducting according to Fire Strategy
- Access Stairs and Ladders
- Instrumentation
- Control System – Specification, Functional Descriptions, SCADA specification.
- Pumping Sizing and Selection
- MCC's and Electrical Supply
- Cabling – Power, Signal & IT

P-Engineering uses e.g., [AVEVA PDMS](#) Software for 3D design and P-Engineering's own developed Software for Duct Sizing and Pressure Loss Calculations.

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Pictures from Large Scale Heat Pump Installation at Vestforbrændingen (DK) – www.vestfor.dk with Salt Based Heat Pumps. P-Engineering also handles Ammonium Heat Pump Installations.