

Heat Pumps: Safety Installations P-308

Design of Safety Precautions in relation to Large Heat Pump Installation with Group 1 Medias – nonhazardous gasses like Ammonium, Propane, Methane etc. according to EN 378-1 Annex E.

- Ventilation – Normal operation
- Ventilation – Safety purge ventilation. Design according to general standards and local regulations.
- Instrumentation for monitoring indoor climate
- Instrumentation for monitoring of hazardous gas level.
- Door Automation – Motor Actuators to open doors against under pressure in Machinery Room.
- Sewage System for collection e.g., Ammonia to prevent pollution of the External Sewage System
- Lighting Design
- PED related Quality Assurance activities for Piping and other Pressure Equipment.
- ATEX design for ventilation, lighting and other
- Control System – Specification, Functional Descriptions, SCADA specification.
- PDB and MCC Design for Safety Equipment

P-Engineering performs the engineering in cooperation with the Certified Fire Protection Engineer.

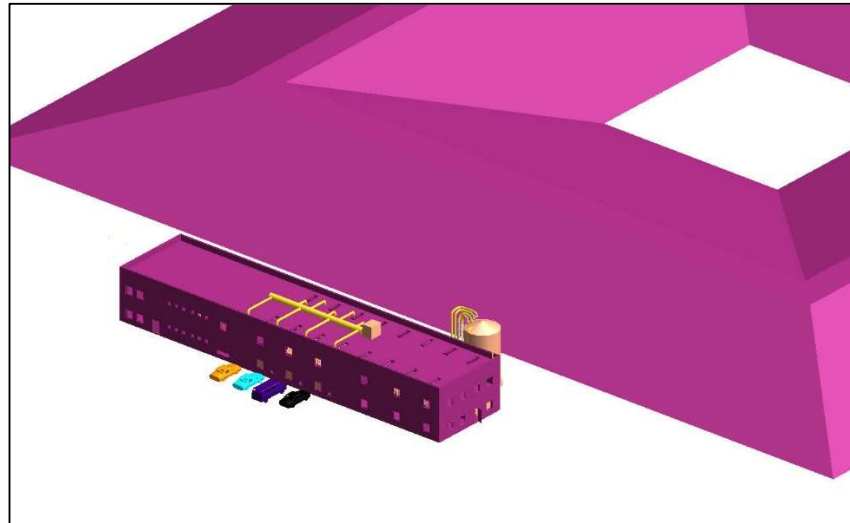
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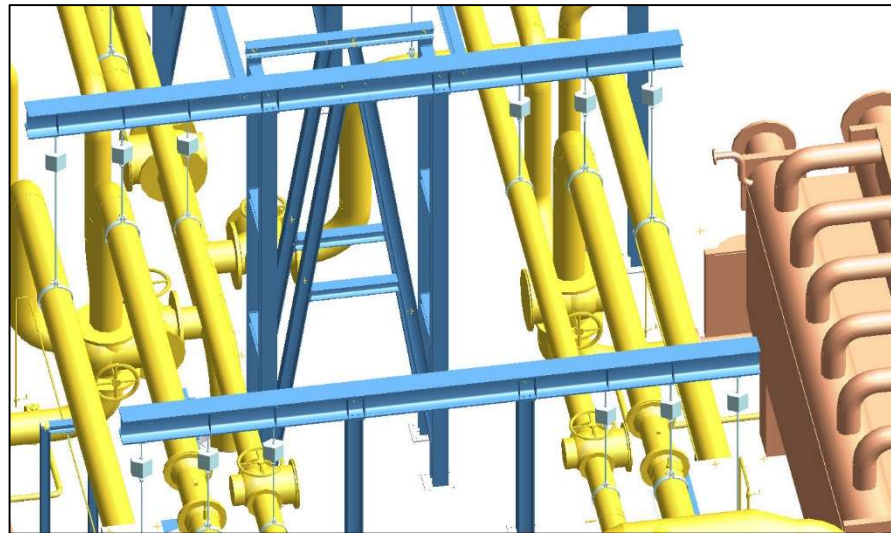
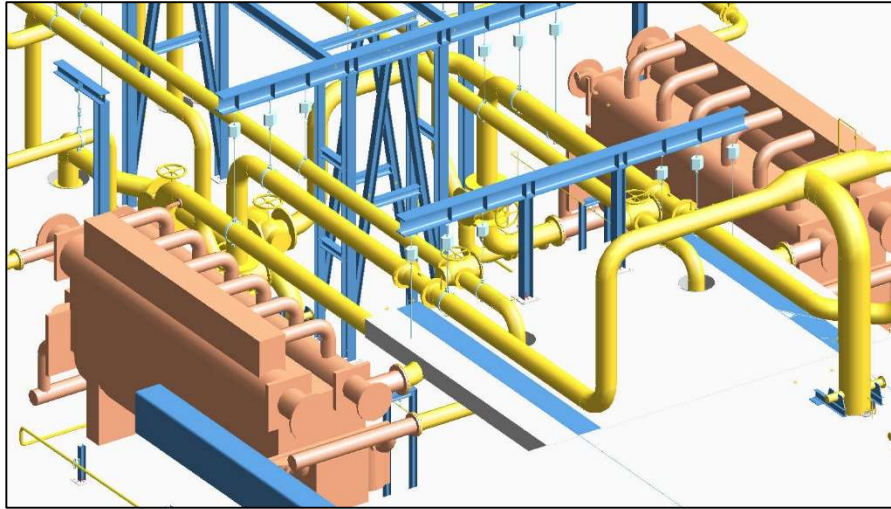
Pictures from Large Scale Heat Pump Installation at Vestforbrændingen (DK) – www.vestfor.dk with Salt Based Heat Pumps. P-Engineering also handles Ammonium Heat Pump Installations.

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Project for LH-Rørby A/S (Kemp & Lauritzen – <https://www.kemp-lauritzen.dk/> today) for Heat Pump Plant with 3 off Compressors for a Solar Panel Plant

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Pictures of 3D Heat Pump Arrangement from Vestforbrændingen – www.vestfor.dk.

