

Storage Facilities: General

P-321

Design of Storage Facilities for e.g.

- Fuel Oil
- Special Oils (General Lubricants, Chain Saw Oil etc.)
- Lye
- Acid
- Ethanol
- Methanol
- Water

Design of both normal and ATEX (Ex) classified facilities and both pressureless/vented vessels and pressurized vessel design according to EN13445.

Design Package includes

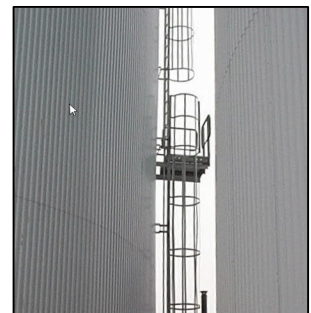
- Instrumentation – Standard and Intrinsic Safe for ATEX.
- Access Ways and Platforms.
- Foundation – Concrete Design
- Pipe Design – EN13480
- Pumping Units
- Mixing Capability
- P/V Valve Sizing and Selection
- Loading/uploading Stations
- MCC and Electrical Supply
- Cabling Design: Power, Signal, IT
- Fire Fighting System (Foam)

P-Engineering uses e.g.

- [AVEVA PDMS](#) Software for 3D design
- [SolidWorks](#) for Vessel and Concrete Design
- [DXT](#) Software for EN13445 Design
- [DXT](#) Software for EN13480 Design
- [Pipeflo](#)® for Piping and Pump Sizing

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Pictures from O8 Oils Storage Facility at Aarhus Havn (DK), Yara Lye Storage Facility at Vejle Havn (DK), and an API Ethanol Storage (DK)