

## Storage Facilities: Various Oils

### P-322

Design of Storage Facilities for e.g.

- Fuel Oil
- Special Oils (General Lubricants, Chain Saw, Hydraulic Oil etc.)

Design of ATEX (Ex) classified facilities and both pressure-less / vented and pressurized vessels designed according to EN13445.

Design Package includes

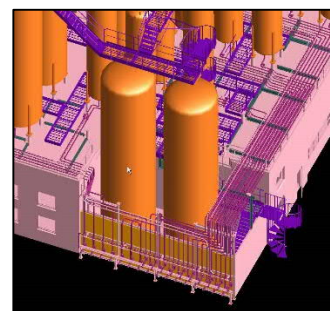
- PFD & PID
- Process Calculations
- ATEX-design
- Instrumentation
- Control System – Specification and Function Descriptions
- Vessel Design
- Vacuum/Pressure relief Valves
- Oil Spill Recovery Sump
- Access Ways and Platforms
- Structural Steel
- Pipe Support Steel
- Foundation (Building or Ground)
- Pipe Design and Layout
- Pumping Sizing and Unit Design
- Loading/uploading Station.
- MCC and Electrical Supply
- Cabling – Power, Signal & IT
- Fire Fighting System (Foam)

P-Engineering uses e.g.

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

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*Pictures from Q8 Oils  
[Storage Facility at Aarhus Harbor \(DK\)](#)*