

Plantware

Lubrication Storage Facility

Project Details

Project Q8 (Kuwait Oil), Lubrication
Oil Storage
Client Wicotec A/S
Built Aarhus Havn, Denmark
Year 2004/2005

PlantWare made both basic and detail engineering of a new Q8 facility on Aarhus Havn for loading, storage and distribution of lubrication oil and other oil products.

The plant consisted on 2 reused tanks from Q8's facility in Copenhagen and 20 new storage tanks.

Basic Engineering

- PFD
- PID
- Pipe Sizing (based on measurement of actual viscosity of oil products based on different storage temperatures from 23°C to -12°C)
- Access and control philosophy for secure loading and unloading of oil products.

Detail Mechanical Design

- Steel structures and pipe support
- Plantforms, catwalks, stairs etc.
- Piping
- Tanks (overall design)

General arrangement drawings, detailed arrangement drawings and fabrication drawings for structures, pipes, platform, stairs and handrail sections was made from our 3D PDMS model of the plant.



Contact



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PlantWare scope

- » PID
- » Component lists - mechanical, electrical and instruments

Plant Documentation/Product Data Sheets

- » GA - general arrangement drawing
- » DA - detail arrangement drawings of different systems, steel structures etc.
- » Load plans
- » Piping isometrics
- » Isometric pipe drawings
- » Steel detail drawings for pipe supports
- » Steel detail drawings for steel structure
- » PED
- » CE
- » Marking of plant
- » MTO lists for piping components
- » MTO lists for steel elements

