

Oily Water smaller Pumps ATT Tanjung Bin

Application market	Industry
Market segment	Oil & Gas
Pumped medium	Oily Water
Pump product	Bearing Frame with Vertical Cantilever Design
Country	Malaysia



Challenge

Hidrostat pumps were proposed for pumping oily water accumulated in chambers of ship loading stations to the oil separator. The pumps were to be placed in multiple locations distributed around the chambers. The customer requested installation similar to API VS4 standard, defined, developed and adjusted according to his own wishes and requirements.

Solution

The Hidrostat Screw Centrifugal Pump has the outstanding characteristic that the two different liquids pumped here do not form an emulsion and is therefore uniquely suitable for feeding oil separators with oily water. In accordance with the customer's requirements, cantilever design is used, vertically installed bearing frame pump with shaft extension suitable for submersible operation. A total of more than twenty (20) pumps of different types and sizes are used at the same location. Larger units are designed and fitted with submersible pumps for dry installation.

Benefits

The wishes and requirements of the customer could be fully met.

- The oily water does not form emulsions
- and further process within oil separator is not influenced negatively at all

Quantity of units sold	10
Pump type	D03U-LHN3 with Bearing frame
Motor data	5.5 kW / 2 pole / 50 Hz / 400 V / Ex-proof
Material combination	Cast iron pump body, stainless steel impeller and Hidrohard wear parts
Duty point	1. Flow : 6.0 litres per second / Head : 25 meters 2. Flow : 10.5 litres per second / Head : 20 meters 3. Flow : 3.0 litres per second / Head : 30 meters
In operation since	2012