



Aalborg Industries has established a new standard for boiler supplies for large FPSOs

Aalborg Industries' top selling product for today's large FPSOs is the MISSION™ D-type boiler. Together with the boiler skid concept, the capacities and qualities of the MISSION™ D-type boiler has established a new standard for top-side boiler installations on the large FPSOs. Adding the Australian Gosfern™ combustion systems to the Aalborg Industries Group has been another important step in securing Aalborg Industries' position as the market leader in boilers for the international oil & gas industry.

MISSION D-type boiler

In its standard version, MISSION™ D-type is designed for capacities up to 120 t/h saturated steam. The boiler can also be built for an operation pressure of 40 bar and with a superheater for 400°C, which makes it one of the most efficient boilers in the Floating Production Systems (FPS) market.

The two versions of our MISSION™ D-type boiler have been selected for a large number of prestigious projects and have already today reached a cumulated steam capacity of some 2,600 t/h for the offshore industry alone.

The skid concept

In order to meet market demands, Aalborg Industries have developed a concept where the boilers and all their accessories are assembled on skids.

The MISSION™ D-type boiler



The two boiler plant skids for Prosafe's "FPSO UMUROA"

The first client to place an order for the skid concept was Prosafe Production Services in Singapore. The boilers were ordered for their "FPSO UMUROA" which is a crude oil tanker undergoing conversion at Keppel Shipyard in Singapore. The FPSO will be deployed at the Tui oil field off New Zealand.

skid, platforms, walkways and most of the piping are prefabricated.

Before the boilers arrive at the skid contractor's premises, the base frame of the

Prefabrication



Each boiler is installed on one skid with the burners, FD fan, fuel skids, local control panel, etc. and with the complete piping and wiring up to the termination points at the skid edge.

As the available slots at the yards are very limited, the interest in turnkey delivery of the boiler installations has increased. After delivery of the skids, only the final connections remain, a job which - depending on how it is planned by the shipyard - should take about one month.

Promising future

For several years the Australian company Gosfern has been highly respected for their burners and their trendsetting control philosophy. Adding the company to the Aalborg Industries Group in May 2006 was a huge advantage as it made it possible for the Group to deliver the boiler and its entire combustion system from own factories with improved possibilities to coordinate the project.

During the past few months, several boiler orders have been secured from Fred Olsen and Prosafe and a



few others are in the pipeline. Most of the contracts are for MISSION™ D-type boilers for 40 bar and 400°C assembled on skids - the new standard for the larger FPSOs.

Skidded MISSION™ D-type boilers ready for delivery.



The piping arrangement is part of Aalborg Industries' supply

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Ideas and suggestions for topics are most welcome.

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