

## Aalborg - Onboard FPSOs and FSOs

*The wide range of boilers from Aalborg Industries provides many alternatives for operators of FPSOs and FSOs. We pay tribute to some of our latest reference projects.*

### General

Since the start of the new organisation for the oil & gas industry, our special FPSO team has been awarded some large contracts for international offshore projects.

### "Espoir FPSO"

One of the orders was signed with Nortrans Offshore - today Prosafe Production - one of the leading players in the market. The client placed an order for two large MISSION™ D-type boilers for their "Espoir FPSO".



*The D-type boilers ready for delivery*

The two boilers are installed on deck and are fired with gas as the leading fuel and with diesel as back-up. The capacity from each boiler is 80 t/h saturated steam.

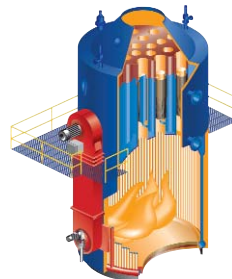
### "Amenam FSO"

Another interesting contract was signed with Hyundai Offshore for TotalFinaElf's newbuilding, the "Amenam FSO".

Like the systems onboard "Petrobras P18" and "Texaco Captain FPSO", the system onboard the

"Amenam FSO" is based on SUN-ROD™ CHS hot-water boilers.

The two boilers have a capacity of 12 MW each and are designed for installation on deck in a hazardous area. The boilers are fired with gas as the leading fuel and with diesel as back-up.



*SUNROD™ CHS boiler up to 30 MW*

### "White Tiger CPP3"

Aalborg Industries not only deliver boilers for FPSOs or FSOs, but also for rigs. Onboard the "White Tiger FSO", recently built at Hitachi Ariake shipyard in Japan, Aalborg Industries installed two 35 t/h MISSION™ OM. The boilers met with the owner's great satisfaction, so when they decided to build the "White Tiger CPP3", we were invited to quote for this as well.

The steam system onboard the "White Tiger CPP3" will be fed from three MISSION™ OM with a capacity of 13.5 t/h.

The boilers, with burners for firing gas and diesel, together with the pressurised feed water tank, condensate recovery system, feed

water pumps, etc, will be placed on an open deck on the platform.

### "Woollybutt FPSO"

A similar solution but with a higher capacity was chosen by Vanguard SPC Ltd in Australia for their "Woollybutt FPSO". Two MISSION™ OM boilers, each with a capacity of 38.5 t/h, will be placed on deck. The combustion system is designed for gas and hazardous crude with diesel as back-up.



*MISSION™ OM for capacities up to 45 t/h*

### "Abo FPSO"

During the entire work with the "Espoir FPSO" our client Prosafe Production was very satisfied with Aalborg Industries' performance. So when Prosafe signed the contract with Agip for the "Abo FPSO", they already knew which boiler they wanted - our MISSION™ D-type boiler for 80 t/h. Why waste time in the starting phase of the project? Prosafe preferred to start pumping oil a few weeks earlier. A quick quotation, some small modifications, and the decision was taken.