

AFRIDECO STEAM BOILER LANDS IN SEA DUE TO EARTH MOVEMENT ALONG COASTLINE

RENTECH

**receive order for complete
retrofit with inclusion
of**

AUTOFLAME
Combustion Management Systems



6 Ton Steam boiler under water before removal

Mr Frans De Witt , Director of Afrideco Processors , Angola was faced with the unnerving task of solving his steam problem when mother nature decided to remove the earth from under the boiler room. With peak fishing season just 1 month away, he needed a solution to ensure production when season started. After removal of boiler from the sea bed , various inspections were carried out to ascertain if boiler was still structurally sound and that no damage was done that could be cause for any safety infringements.

Rentech then came up with proposal to remove all old equipment and replace with new including conversion to Autoflame Mini MK5 Evolution Combustion Management System. The project called for control of 2 channels , namely Fuel and Secondary Air with new electric panel , air atomising of Fuel through primary air by way of new external air compressor. New equipment also included 11kW combustion fan , new fuel pump with base and electric motor and new 8 stage feed water pump. Furthermore due to Angola having constant power dips an online UPS was used to power the Mini MK 5 , this to ensure correct voltage at all times. Finally boiler was moved further away from sea front to ensure no more sea voyages and covered with new insulation , cladding and a new coat of paint.

Afrideco were able to start production at the beginning of the fishing season with refurbished boiler and New Autoflame Combustion Management System, feed back from site already shows an remarkable savings in fuel and a much better steam pressure curve than previously obtained with the old controls. This project highlighted the fact that by refitting burners with Autoflame controls you not only receive the benefit of superior control philosophy , major fuel savings and reliable equipment but also have the advantage of supplying customers that have older products , which have been discontinued by OEM , an reliable alternative which will extend equipment life without having to replace complete burner.

Boiler is now as good as new , has benefit of Autoflame Combustion Management System and cost Afrideco less than half the price of new steam boiler.



Boiler on removal from sea.



Boiler after refit and conversion to Autoflame

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