

Etosha Fish Driers fired by Hamworthy Rotary Cups.

ETOSHA FISHING **CUTS FUEL BILL & ACHIEVES A MORE CONSISTENT MOISTURE CONTENT IN IT'S FISH MEAL.**

and Standardises on

AUTOFLAME®

throughout their plant.

Mr. Philip Conradie, Managing Director of Etosha Fishing, Walvis Bay was so pleased with the operation of the recently commissioned **Autoflame** controlled burn-

ers on the steam boilers, that he gave the go ahead to standardise the controls throughout the factory and convert the two remaining rotary cup burners on the fish meal driers to **Autoflame**, just as the fishing season started.

Rentech stripped the existing burners to the bare essentials, removing all the redundant components responsible for inefficient operation; actuators, combined valve/pump block, copious heaters, control linkages and cam system. These were replaced with **Autoflame** control components; large servomotor on the secondary air damper, small servomotor on the primary air damper, Autoflame oil metering valve with actuator, safety solenoid valves, flow meter, UV flame safeguard and furnace temperature sensor.

A new control panel housed the heart of the **Autoflame** System - the **Mk6 Evolution Combustion Management System**, capable of positioning the fuel and air control elements to a repeatable accuracy of 0.1° angular. This precise control ensures the burner maintains optimum combustion throughout its firing rate. Optimum ignition/choke position ensures the burner lights reliably and cleanly, despite the presence of cold wet fish in the drier, without compromising the burners wide heat output range. Unlike the previous mechanical system which restricted the burners low fire position to its start position. The integrated 3 term temperature PID controller ensures the actual temperature stays within 1°C of the required temperature, ensuring the all important moisture content of the fish meal remains constant. Precise positioning ensure optimum combustion at all times, coupled with locked on temperature control guarantees just enough fuel is burnt to meet the processes heat requirement.

The system is now fully automated, burning considerably less fuel per ton of fish processed and produces a consistently higher quality product.

The plant operators are released from consistently monitoring the burners and can now get on with more productive tasks within the plant.

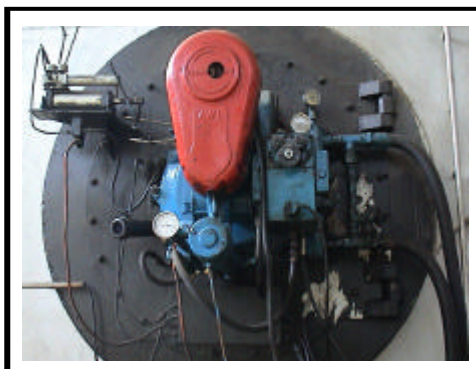
Old Panels



New Panels



Burner with **Autoflame** controls



Old Burner and linkage controls