

RENTECH CASE STUDY: PELICAN BAY HOTEL, WALVIS BAY



Pelican Bay Hotel use **Rentech** Diesel fired boilers for all its hot water needs.

Namibia's most recent luxury hotel was designed and built from the ground up to utilise diesel boilers as a heating source for all its hot water needs. Windhoek Consulting Engineers recognised the many benefits of diesel over conventional electric geysers or electrode boilers and specified a diesel fired boiler from the start of the project. Benefits are;

- diesel is around half the price per kWh of electricity.
- capital cost of installing diesel boilers is less than equivalent electrical system.
- reduced hot water storage requirement.
- lower electrical tariff and cost.
- reduced load on the Municipalities Electrical grid.
- hot water heated on demand rather than relying on large stored capacity which is kept hot 24 hours per day, giving a running cost saving.
- hot water kept at a constant 60°C

To service the 50 room hotel, **Rentech**, Namibia's Industrial, Commercial and Domestic Heating experts, installed 2 x 144 kW boilers, used as run and standby, and 1200 litres of hot water storage, giving a total capacity of 7,500 litres per hour at a constant 60°C to meet peak demand. A large 2500 litre underground diesel tank was installed to give the hotel more than a months running between refills.

In November 2002 the President of Namibia, Sam Nujoma officially opened Namibia's most recent luxury hotel to the public.



Simple and space efficient installation



Pelican Bay Hotel on the shore of the Lagoon

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