



**Brewery Saves R 55 000 per month
in fuel consumption.**



Overall installation

Mr Wilcke Lorck, the Plant Engineer at Hansa Breweries, Namibia, needed to find an economic way of reducing the monthly HFO consumption of **120 000 litres** on his 9 ton steam boiler.

During January 2001, a study of the existing Rotary Cup burner performance was carried out by the **RIELLO** Burner Distributor for Namibia, **RENTECH CC.**, based in Walvis Bay.

Mark Renecke of **RENTECH CC**, carried out an Exhaust Gas Analysis. On the basis of these results, which included an average Oxygen content of 6,41%, he proposed a saving by the installation of a NEW **RIELLO** Burner coupled to an **AUTOFLAME** Combustion Management System.

The projected savings were based on achieving an Oxygen reading of 3,0%. At that time Mark advised the client that he could expect fuel savings of around 12,43%, comprising 5% Micro Modulation, a further 3% Exhaust Gas Analysis Trim and the remaining 4,43% by reducing excess air levels with a modern combustion head design.

Based on the recommendations by **RENTECH**, the client placed an order for a New **RIELLO** Burner fitted with an **AUTOFLAME** Combustion Management System, omitting the Exhaust gas Analysis option. **He therefore expected no less than a 9.43% fuel saving.**

The Oxygen Levels now achieved are constant at 2%, and the nett effective Savings amount to 18,75%.

The client was able to recover the Capital expense within three months.



New Riello TIP Burner

Site Overview

Equipment installed:

Riello TIP12 AF Burner

**Autoflame Mk6 Evolution
Combustion Management
System**

Savings achieved: **18,75%**

Payback: **3 months**

For further information please
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Autoflame panel