



STEAM GIANTS BOILERS

SERVICES & ENGINEERING (PTY) LTD

BOILER SERVICES

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Introduction

Your Challenge

Your challenge is optimizing availability, reliability and safety of operations in power production within the water-steam cycle. Converting water to steam is one of the crucial steps in industries and the related pressure equipment is critical to your business.

It all starts with boiler equipment, and this first step in **STEAM GENERATION**. From this point of view asset integrity management for Boiler Systems is essential in your operational management.

Your Partner

STEAM GIANTS BOILERS specialist expertise in Boiler Services and Maintenance supports you in improving and maintaining your Boiler Performance. You will be assisted from initial brainstorm up to commissioning of new in House Built Boiler Components.

Your key business-drivers are leading in our scope of activities in order to reach common goals. Just benefit from the integrated approach from **STEAM GIANTS BOILERS** as your Boiler Services and Maintenance provider.

Your Benefits

- Improved boiler efficiency
- Cost reduction by preventing downtime
- Integrated scope of activities
 - 24/7 Call-outs service
 - Inspections and consultancies
 - Planned maintenance during outages
 - Specialized products and services for retubing condensers
- Consultancy, (reverse) engineering, manufacturing service activities and NDT are fully integrated
- Convenience: single point of contact for your project

Company Details

Registered Name : Steam Giants Boilers (PTY) Ltd

Address : Gauteng

27 Rogers Street

Selection Park

Springs

1559

Western Cape

C10 Claredon

Darling

Capetown

7345

Contact Details

Tel : +27 6788 11079/+27 7888 6641

E-mail : info@steamgiantsboilers.co.za
refurbishments@steamgiantsboilers.co.za

lawmas@steamgiantsboilers.co.za

tinashe@steamgiantsboilers.co.za

Website: www.steamgiantsboilers.co.za

FOA: South Africa and surrounding areas

Vat No : 3682898154

Reg No : 2016/170931/07

B.E.E. Rating : BBEE

Products & Services

Products

- Boiler Operational Training
- Boiler Maintenance & Services in Water tube Boilers and Coal Fired Boilers
- Turnarounds & Outages
- Boiler Construction
- Boiler Modifications
- Equipment Manufacturing
- Supply of Liquid fuel and Coal for both Oil & Coal fired boilers.

Project Management

- Working in close partnership with you, we handle the project organization, and if required total project management, all without you giving up control.
- We have the support of an advanced project management system. Together with you we work towards optimal project management, with continuous improvement as the primary objective.

Valve Services

- Full range of valve Services

Diagnostics

Valve maintenance is often a critical factor in major plant shutdowns and turnarounds, with production systems taken offline – it is crucial for maintenance to be planned as efficiently as possible to reduce cost and downtime.

STEAM GIANTS BOILERS valve diagnostics services uses an array of innovations to assess the conditions of shut off, safety, blow down and control valves. This assessment identifies which valves need to be overhauled and need a repair. Leading to a focusing of the maintenance budgets the critical valves that need it.

Mechanical & Piping

Piping Services:

- Prefabricated Piping
- Steam Pipe Lining
- Water Pipe Lining

Maintenance Management

Maintenance policy is important for the continuity of your production & the integrity of your plant and equipment. We have a vision of maintenance excellence plus the ability to put concepts into practice. We can support you in defining the optimal inspection frequencies for your valves and fittings, and in drawing up a corrective and preventative maintenance schedule. All with the aim of working together to achieve both improvements and cost savings.

Testing and Reporting

We have our own automated certified test facilities for valves and fittings. This allows us to test precisely whether –

- The control valves
- Main steam valves
- Shut off valves and
- Safety valves

Operate correctly and in accordance with SABS specifications after repairs or overhauls.

Pump Services

- Overhaul & Repair on site
- Supply
- Installations
- Lubrication Service

Repair & Overhaul

We can handle all required tasks in the drain.

- Dismantling
- Transport
- Overhaul
- Repairs
- Replacement if necessary
- Installation and commissioning of
 - control valves
 - Blow down valves
 - Pressure safety valves
 - Main steam valves
 - Feed check valves

All work is carried out by our highly trained and motivated professionals.

ELECTRICAL AND INSTRUMENTATION

High | Low Voltage Systems

Our High | Low Voltage Services & Diagnostics expertise includes:

- Construction
 - Building new or extension of electrical installations or component e.g.
 - Boiler control panels
 - Electric Motors
- Maintenance and Repair
 - Maintain electrical installations or components

Diagnostics on:

- Electrical Installations
- Cable Systems
- Generators, Motors and Components

Maintenance Engineering and Consulting

- Advice on maintenance plans, organization and regulations



References

- Finda Dairies (Zambia)
- Jachris (SA)
- Gayatri Paper Mills
- Government Hospitals (Botswana)
- MEDTEX (SA)

JACHRIS
HOSE & COUPLINGS