

TURBOFLUID

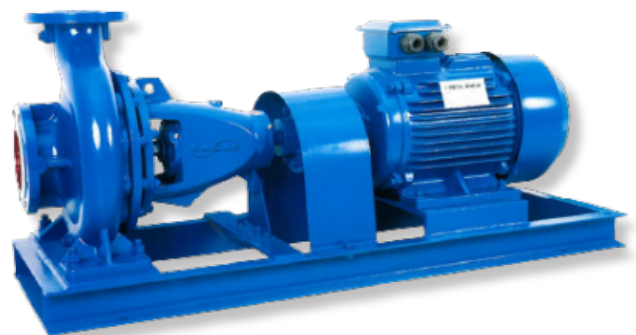


TURBOFLUID ENGINEERING COMPANY PROFILE



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COMPANY OVERVIEW



Turbofluid Engineering is a multi-disciplinary engineering company specialising in pump systems and fluid handling solutions. Established in 1997, the company has grown into a trusted partner across South Africa, sub-Saharan Africa, and international markets.

We specialise in the manufacture and supply of a comprehensive range of Turbofluid pump systems, designed to perform across a wide variety of demanding applications. Our solutions are engineered for reliability, efficiency, and long-term performance in challenging operating environments.

Beyond our product range, Turbofluid provides world-class engineering support services, including fabrication, installation, maintenance, and after-sales support. Our expertise extends across pumps, valves, and associated process equipment, ensuring complete, end-to-end solutions for our clients.

Our focus is to deliver reliable, efficient, and cost-effective solutions supported by technical expertise and responsive service.



VISION, MISSION & VALUES



VISION:

To be a leading provider of engineered pump solutions across Africa and global markets, recognised for quality, reliability, and innovation.

MISSION:

Africa's trusted engineering partner, delivering custom pump solutions that drive client success and a sustainable tomorrow.



VALUES:

ENGINEERING EXCELLENCE

We deliver precision-engineered solutions built for performance and durability.

CUSTOMER COMMITMENT

We prioritise responsive service and long-term client partnerships.

QUALITY & RELIABILITY

We uphold the highest standards in every product and service we deliver.

INNOVATION

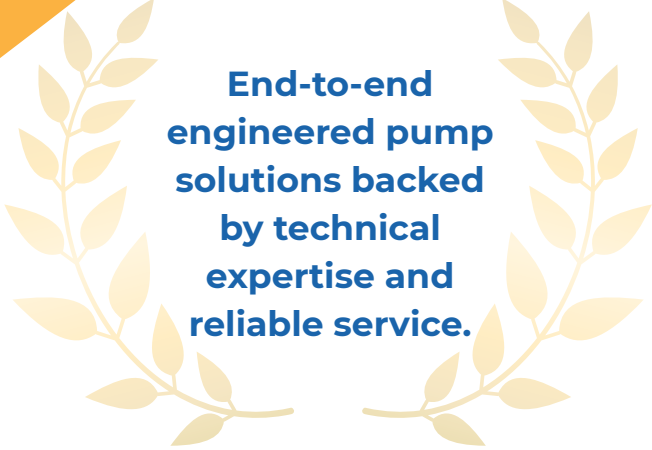
We continuously improve and adapt to meet evolving industry demands.

ACCOUNTABILITY

We take ownership and deliver on our commitments.



OUR CAPABILITIES



End-to-end
engineered pump
solutions backed
by technical
expertise and
reliable service.

CORE CAPABILITIES



Pump Manufacturing

Design and manufacture of high-performance Turbofluid pump systems for demanding industrial applications.



Repairs & Refurbishment

Comprehensive repair and refurbishment of pumps, including wear component replacement and performance restoration.



Reverse Engineering

Precision reverse engineering of existing equipment to improve performance, extend service life, and reduce downtime.



Fabrication

Custom fabrication of pump components, baseplates, piping systems, and associated equipment.



Installation & Commissioning

Professional installation and commissioning services to ensure optimal system performance from day one.



Maintenance & Support

Ongoing maintenance, technical support, and rapid response services to minimise downtime and maximise reliability.

EAGLE

PRODUCT RANGE

High-performance pump solutions engineered for demanding applications.



APPLICATIONS & SOLUTIONS

- Eagle Submersible slurry series
- Eagle Waste water submersible series
- Eagle Sewage submersible series
- Eagle Diesel Mobile Pumps
- Eagle Self-Priming solids handling pumps
- All Eagle pumps are supplied with a 12-month warranty against manufacturing defects, with optional extended warranties available.
- Pumps are assembled and can be performance tested before dispatch and may be certified.

EAGLE PUMP MODELS

- Eagle **EA** Series
- Eagle **EK** Series
- Eagle **EH** Series
- Eagle **D**
- Eagle **EAZN** Series
- Eagle **ESP-T**
- Eagle **ES**
- Eagle **EJC** (Horizontal Slurry Pump)
- Eagle **EVJC** (Vertical Slurry Pump)
- Eagle **EHS** (horizontal vortex recessed slurry pump)
- Eagle **EBW** (heavy duty slurry pump)



INDUSTRIES WE SERVE



Mining & Minerals

Pumping of abrasive slurries, tailings, and high-density materials in harsh operating environments.

Sugar Industry

Handling of diffuser juice, molasses, boiler ash, and other process fluids within sugar mills.

Water & Wastewater

Reliable pumping solutions for municipal and industrial water treatment and transfer applications.

Chemical & Process

Handling of corrosive and aggressive fluids across chemical processing operations.

Industrial & Manufacturing

General industrial applications requiring efficient fluid handling and process reliability.

Agriculture & Irrigation

Pumping solutions for irrigation systems, water transfer, and agricultural processing.

Power Generation

Boiler feed, ash handling, and cooling water systems.

Pulp & Paper

Handling of paper stock, process water, and chemical slurries.

***Engineered solutions across
diverse and demanding
industries.***

ENGINEERING & TECHNICAL STRENGTH

*Precision engineering,
advanced design, and
proven technical
capability.*



Engineering Design

Advanced pump design and system engineering tailored to specific application requirements.



Materials & Wear Technology

Selection of high-performance materials, including chrome alloys and wear-resistant liners for extended service life.



Performance Optimisation

Hydraulic design and system optimisation to improve efficiency, reliability, and operational performance.



Quality Control

Strict quality control processes throughout manufacturing, assembly, and testing to ensure consistent performance.



Testing & Validation

Performance testing and validation of pump systems prior to dispatch, with certification available.



Reverse Engineering Capability

Accurate reproduction and enhancement of existing equipment to improve reliability and reduce downtime.



OEM Interchangeability

Components and systems designed for compatibility with leading OEM pump ranges.



WORKSHOP FACILITIES

*Equipped to
manufacture, repair, and
support pump systems to
the highest standards.*

- ◆ **Fully Equipped Workshop**

Modern workshop facilities equipped for pump assembly, repair, and refurbishment across a wide range of pump systems.

- ◆ **Machining & Fabrication**

Precision machining and fabrication capabilities for pump components, baseplates, and custom-engineered solutions.

- ◆ **Pump Assembly**

Dedicated assembly areas ensuring accurate and efficient build of complete pump systems.

- ◆ **Testing Facilities**

Performance testing of pumps prior to dispatch to ensure compliance with required specifications.

- ◆ **Maintenance & Repairs**

Comprehensive in-house repair and refurbishment services to restore pumps to optimal condition.

- ◆ **Quality Assurance**

Strict inspection and quality control processes throughout all workshop activities.

- ◆ **Mobile / On-Site Support**

On-site inspection, installation, and maintenance services to support clients across multiple industries.



PROJECTS & CASE STUDIES

SUGAR MILL PUMP UPGRADE – KWAZULU-NATAL

Challenge: Frequent pump failures due to abrasive slurry conditions and high wear rates.

Solution: Supply and installation of a **Turbofluid EAGLE** slurry pump with upgraded wear-resistant components.

Result: Improved reliability, reduced downtime, and extended service intervals.

MINING SLURRY PUMP REPLACEMENT – MPUMALANGA

Challenge: Inefficient slurry handling and excessive maintenance costs on existing equipment.

Solution: Reverse engineering and replacement with a high-performance **EAGLE** slurry pump.

Result: Increased efficiency, reduced maintenance costs, and improved operational performance.

WATER TRANSFER SYSTEM – MUNICIPAL APPLICATION

Challenge: Inconsistent water transfer and system inefficiencies.

Solution: Design, supply, and commissioning of a complete pump system.

Result: Reliable operation with improved flow consistency and reduced energy consumption.

SERVICE & SUPPORT

*Reliable support to
maximise performance
and minimise downtime.*

Pump Repairs & Refurbishment

Comprehensive repair and refurbishment services to restore pumps to optimal performance.

Preventative Maintenance

Scheduled maintenance programs designed to extend equipment life and reduce unexpected failures.

On-Site Support

Installation, inspection, and maintenance services carried out directly at client facilities.

Technical Support

Expert technical assistance for troubleshooting, system optimisation, and performance improvements.

Spare Parts Supply

Fast and reliable supply of high-quality spare parts to minimise downtime.

Emergency Breakdown Support

Rapid response services to address urgent breakdowns and restore operations quickly.

System Upgrades & Retrofits

Upgrading existing systems to improve efficiency, reliability, and performance.



WHY CHOOSE



EAGLE PUMPS are a proudly South African brand, manufacturing pumps that are cast machined, assembled as well as tested in South Africa.

Turbofluid specialises in the full lifecycle of pumping systems, from initial design through to long-term maintenance.



Pump Supply & Design: We supply high-performance pumps for industries such as mining, power generation, pulp and paper, and water treatment.

Engineering Solutions: We don't just supply equipment, we design complete pump sets, including motors, baseplates, and couplings, to ensure optimal system performance.

Maintenance & Refurbishment: Our service centres handle full strip-downs, repairs, and testing of large industrial pumps, restoring them to original specifications.

Testing Facilities: Our performance test cells verify flow, pressure, and efficiency before pumps are delivered to site, ensuring reliable real-world performance.

CORE DIFFERENTIATORS

Engineering Expertise: Strong technical capability across all pump systems and applications

Local Manufacturing: Locally produced solutions with fast turnaround and dependable support

Proven Performance: Trusted installations across demanding industries and environments

End-to-End Solutions: From design and manufacture to installation and support

Quality & Reliability: High-grade materials and strict quality control for long service life

OEM Interchangeability: Compatible with leading OEM pump ranges

Responsive Support: Fast, dedicated service when it's needed most

National Footprint: Branch network across South Africa for accessible service and support

HEALTH, SAFETY & QUALITY

*Committed to
safe operations, quality
workmanship, and
continuous improvement.*

Compliance & Standards

Our operations align with relevant industry standards and regulatory requirements, ensuring that all work is carried out to the highest levels of safety and quality.

Continuous Improvement

We are committed to ongoing improvement through regular review of processes, training, and systems to enhance performance, safety, and efficiency.

Health & Safety

Turbofluid Engineering is committed to maintaining a safe working environment for employees, clients, and stakeholders. All operations are conducted in accordance with applicable health and safety regulations and industry best practices.

Risk Management

Proactive identification and management of risks across all operations.

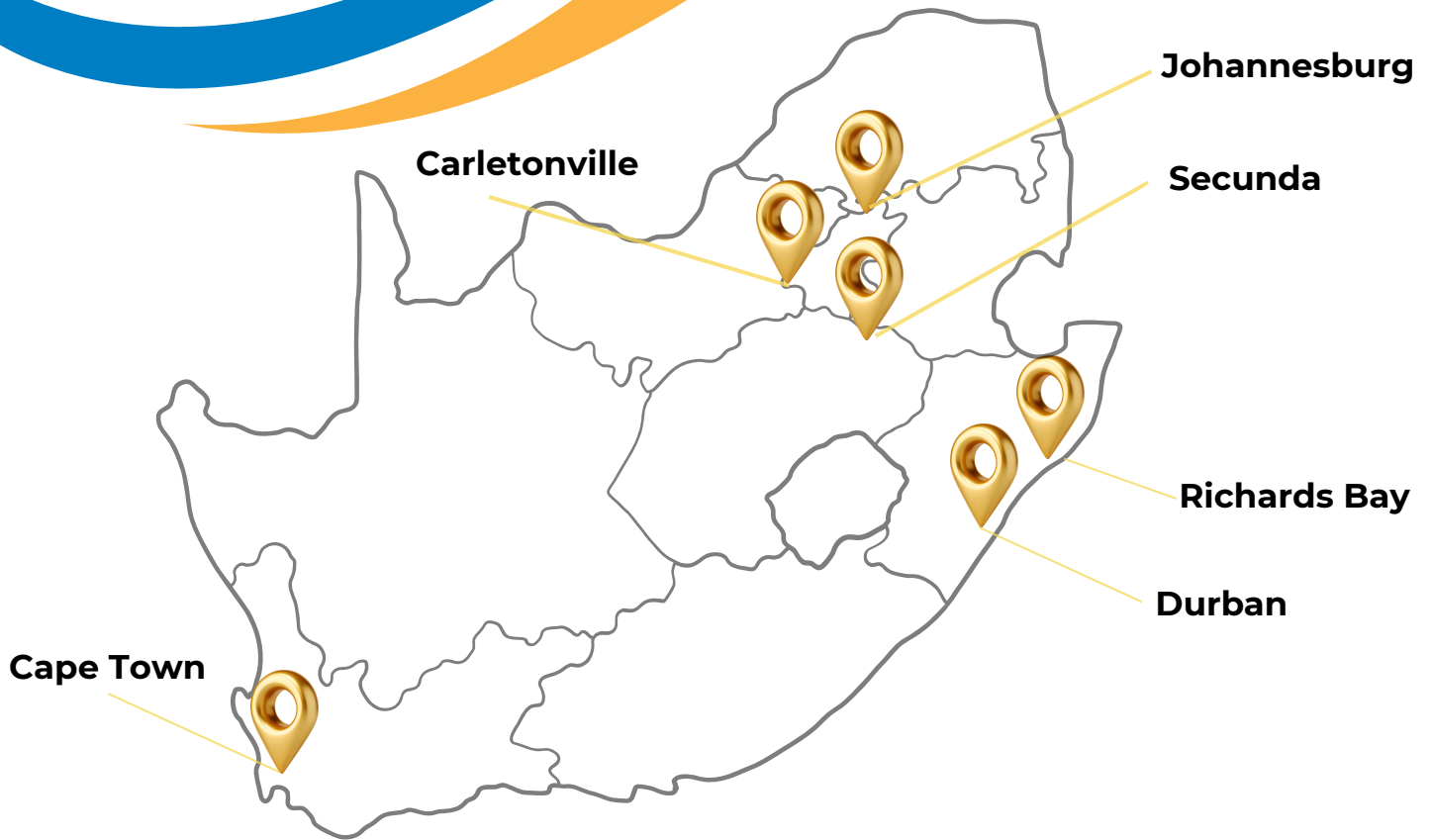
Trained Personnel

Skilled and trained personnel ensuring all work is carried out safely and to the highest standards.

Quality Assurance

We implement strict quality control processes throughout design, manufacturing, assembly, and testing to ensure consistent performance and reliability of all products and services.

OUR BRANCHES



Durban

+27 31 700 2525

Johannesburg

+27 11 828 5538

Carletonville

+27 10 023 9992

Cape Town

+27 72 125 7854

Richards Bay

+27 31 700 2525

Secunda

+27 17 638 0745



sales@turbofluid.co.za



www.turbofluid.co.za

