



RIDGEWED ENGINEERING (PVT) LTD

Pumping Systems

Company Profile

From specification to commissioning.



Established
1993



admin@ridgewed.com



www.ridgewed.com



Who We Are

Ridgewed Engineering (Private) Limited is a Zimbabwean mechanical and electrical engineering company incorporated in December 1993. We supply, install and commission pumping systems for municipal water and wastewater works, mines, industrial and agricultural sectors across the country.

A mechanical and electrical engineering contractor specialising in pumping systems, pipework and plant refurbishment.

Our work covers pumping plant, biological nutrient removal plants, water treatment plants, inlet works, settling tanks, clarifiers, filters, boilers, valves, pipework and instrumentation. We install with our own teams, plant and transport, and we support what we install.

**Since
1993**



What We Do

Ridged covers the full scope of a pumping installation — from sizing, selection, installation and commissioning, to maintenance and spares once the plant is running.



Our Capabilities

We size equipment against measured duty, not catalogue assumptions.

Supply, installation and commissioning of pumps and pumping plant for water, wastewater and slurry duties.



Pumps and Pumping Plant

Pipework, valves and fittings. Fabrication, installation and modification of existing systems.



Pipework and Valves

Mechanical plant refurbishment and electrical works, from control panels through to cabling and instrumentation.



Refurbishment and Electrical

Planned maintenance, spares supply, technical back-up and operator training for the equipment we install.



Maintenance and Support

Sectors We Serve

Our installations run in treatment works, on mines, in industrial plants and on farms across Zimbabwe. From raw water supply to high-viscosity and abrasive industrial fluids, our pumping systems are built to deliver maximum operational continuity day in and day out.



Thirty years of work on live sites where downtime is not an option.

Where We Work

Sewage treatment works, water treatment plants, pump stations, reticulation and raw water intakes.



Municipal Water and Wastewater

Slurry and tailings duties, dewatering, process water and abrasive handling.



Mining and Mineral Processing

Power stations, process plant, boiler feed, condensate and cooling water systems.



Industrial Plant

Irrigation schemes, farm water supply, borehole and reservoir pumping.



Agriculture and Irrigation



Track Record

Development of DEPTA®, our own pump system software. 2020 -2025

Zimplats, Mimosa, Anglo Platinum, Blanket Mine, Freda Rebecca, Shamva Mine, How Mine, Sabi Gold Mine, Arcturus Mine, Turk Mine, Bilboes Gold, Redwing Mine, Jena Mines, Duration Gold, Todal Mining, Dallaglio, Bindura Nickel Corporation, Zimasco, Hwange Colliery, Bikita Minerals, Mbada Diamonds, Rio Tinto Zimbabwe, Triangle, Hippo Valley, PPC Zimbabwe, Zimphos, ZENT

Pump system design, pump supplies, pump installations, pump spares supplies, plant upgrades, pump service contracts and maintenance, pump service exchange, hydraulic analysis, consultancy, and the training of pump operators, pump fitters and plant engineers.

2013 - 2018

Zimbabwe Power Company — Hwange Power Station, 2018

Harare Municipality — Crowborough Sewage Works, 1995-96

Harare Municipality — Firle Sewage Works, 1995-96

Harare Municipality — Morton Jaffray Water Works, Manyame, 1995-96

City of Harare — Mt Pleasant Swimming Pool, All Africa Games, 1995

City of Gweru — Southdowns Sewage Pump Station, 1996-97

National Museums and Monuments — Shangani water supply, 1998-99

**Since
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Ridgewed Engineering

Hwange Power Station

In 2018 Ridgewed Engineering was awarded a contract by Zimbabwe Power Company for hydraulic analysis for Stage 1 low pressure condensate extraction pumps at Hwange Power Station.

Zimbabwe Power Company 2018

The work applied our own hydraulic analysis methods to a live generating asset, assessing system resistance, duty points and pump performance across the condensate circuit.



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Ridgewed Engineering

DEPTA[®] Software

DEPTA is Ridgewed's own pump system software, developed in-house for design and maintenance work. It applies the Darcy-Weisbach, Colebrook and Durand formulae to calculate system resistance, friction losses, duty points and slurry transport velocities.

Our Hydraulic Analysis Tool

It is why we size equipment against measured hydraulics rather than catalogue assumptions — and it is the capability that underpinned our hydraulic analysis work at Hwange Power Station.

DEPTA carries both a design module and a maintenance module, so the same model that sizes a system is used to monitor it in service.



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Our Team

Ridgewed has been trading for over thirty years. Our technical work is led by qualified engineers across the mechanical and electrical disciplines, working with the company's own workshop, rigging equipment and transport.



People and Equipment

Ridgewed has been trading for over thirty years.

Over 30 years in plant maintenance, pump installation and mechanical plant refurbishment.



Eng Derick M. Dube,
M.Sc (Mech. Eng), Pr.Eng, MZweIE.

Over 3 years in plant maintenance, pump installation and mechanical plant refurbishment.



Eng. K Govere –
Mechanical

Over 6 years in electrical installation, control panels, motor and instrumentation work.



Mr Omega Chinhara –
Electrical

Over 5 years managing high-value engineering projects, cost control and contract administration.



Eng. Nigel Chiguvare



Ridgewed Engineering

Quality Assurance



Ridgewed ensures that all equipment, in both new plant and refurbishment, meets the specification it was designed for. We measure engineering parameters and keep them within the design range.



One year guarantee on every installation



Trained operators and handover documentation



Strict safety policy on every site



We provide the instrumentation, test kits and operator training needed to keep plant within its design range, and we hand over maintenance sheets and the parameters to monitor.



Ridgewed Engineering



Let's Discuss Your Project

Ridgewed Engineering supplies, installs and commissions pumping plant across Zimbabwe. Get in touch to discuss your requirement.

CONTACT



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