



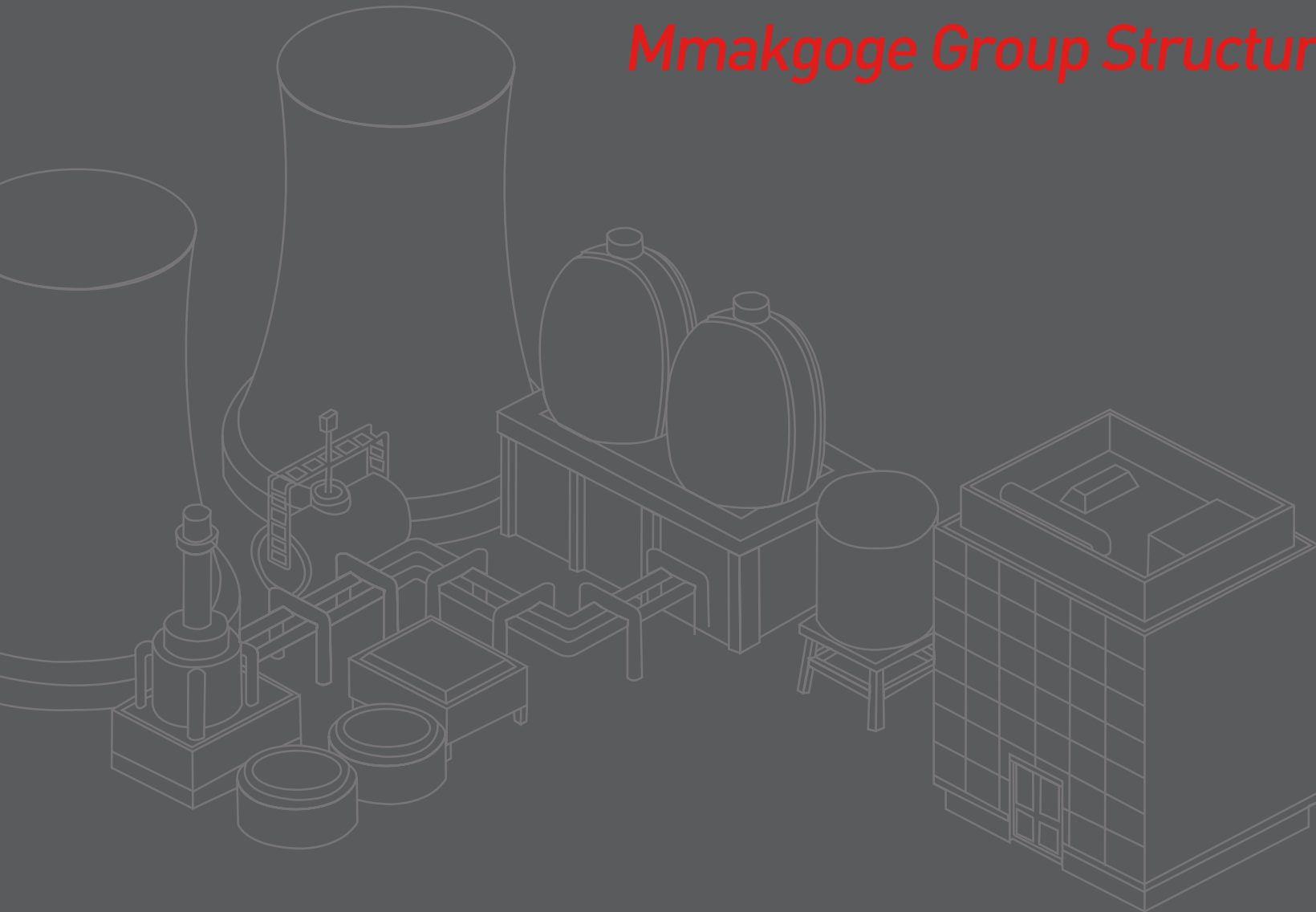
Service. Quality. Results.



Index

1	Mmakgoge Group Structure
2	Industrial Cleaning Industrial Cleaning and Waste Removal Dry Ice Cleaning Storage Plant Cleaning and Rehab
3	Purification Services Material Drying (Sludge) Dewatering Dredging Pumps Wet Sandblasting Demolishing Rehabilitating Civil
4	Mechanical Maintenance Mechanical and Fabricating
5	Distribution Earth Moving Equipment Hire Mobile Screening And Crusher Hire Labour Hire Conveyor Other
6	Current Projects
7	Contact Us

Mmakgoge Group Structure



Mmakgoge Group Structure

The owner and founder of Mmakgoge, PK Motuku, saw a significant gap in the market to offer a comprehensive range of services under one unifying umbrella, the Mmakgoge Group.

Only the most highly-skilled individuals are part of our team. We frequently employ local personnel and they receive hands-on training from our most-experienced staff.

All management personnel and their teams are on standby **24 hours a day, 7 days a week**. We strive to maintain the highest standard of service to ensure optimal client satisfaction. All services are available nationwide, as well as neighbouring African countries.

The Mmakgoge Group is a Level 1 BBBEE Company.



Industrial Cleaning



Industrial Cleaning

Services include heavy dust removal in power stations, cement works, new-build handover cleans and factory cleaning. High performance vacuum equipment is used for the safe collection, removal and recycling or disposal of waste materials.

High specification equipment designed for harsh environments is used for the safe removal of granular materials including sand, gravel, brickwork and factory rubble, coal, ash, cement and lime dust where emission control is a concern.

Plant cleaning •

Vac trucks and high pressure cleaning machines

Boiler cleaning •

Dry ice or high pressure cleaning

Dam and clarifier cleaning •

Sludge removal, using dredge equipment, pumps, and vacuuming trucks.



Industrial Cleaning and Waste Removal

Cleaning and removal of all types of waste to certified dump sites. Legal dumping certificates are given to our clients. All drivers are hazcem trained to transport waste. Skip and skip loaders are supplied on contract basis.

- Vacuum Cleaning (Super Sucker) •*
- High Pressure Jet Cleaning •*
- Waste Removal •*

We offer a comprehensive range of industrial cleaning equipment and trained personnel, delivering cleaning services tailored to unique applications.



Dry Ice Cleaning

Dry ice is a high pressure cleaning method, which works very similar to high-pressure jet cleaning. Instead of water, dry ice pellets are used.

Using this method enables **zero water wastage**; at contact the ice disappears and breaks down into an unarmful gas.

The uses of dry ice cleaning are endless. Any surface or object can be cleaned. The best uses are substations, bus bars, motors and electronic equipment.

90% of the cleaning can be done while equipment is in process, because it is not electrically conductive and it is environmental friendly.



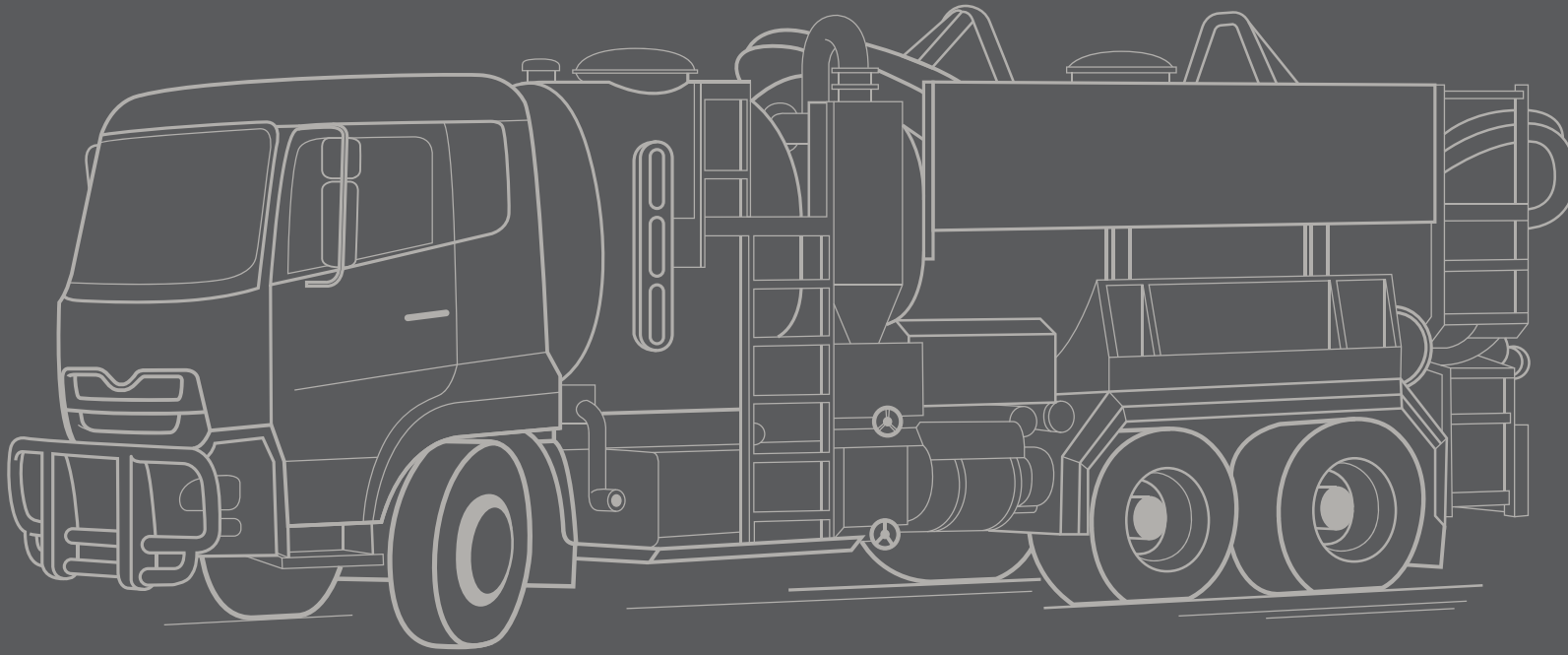
Storage Plant Cleaning and Rehabilitation

All storage plants are **cleaned and upgraded** (vacuum cleaning and high pressure cleaning of digester, settling ponds and pipes are done). Mmakgoge can dry solids and reuse water in plants.

Qualified trainers can be hired for start-up and plant operation. Replacement pumps available while broken pumps are repaired.



Purification Systems



Purification Services

Our full-service industrial purification service has the primary objective of securing **maximal efficiency** for our clients. We offer equipment selection, AutoCAD design, turnkey installation as well as:

- Industrial Air Purification •

- Dust Collection •

- Oil purification is removing 95% of solid particles and removing free and visible water from all types of oils, **e.g.** hydraulic oil, lubricating oil, steam feed pumps, gearbox, mills and transformers. •

- Our purification plants are used onload, meaning Mmakgoge's purification units are able to clean the clients system while running. •

- Bulk lube oil tanks •

- Water purification systems, **e.g.** Reverse osmosis plants. •



Material Drying (Sludge)

The dumping of materials at legal dumping grounds is extremely costly. Mmakgoge dries all types of sludge through a decanter centrifuge system.

Sludge is 95% dry and the wastewater can be reused in a factory or mine. The dried product can be stored for reuse.

Our services are currently used at **power stations, storage plants and mines**. Dams are lined with plastic to avoid any damage to the linings.



Dewatering

Dewatering is done with **different types of pumps** – submersible, mobile and booster pumps.

Services include the dewatering of dams, plants and mines.



Dredging

Dredging is done hydraulically, electrically or mechanically, depending on the need of the client.

Dredging floats or excavating methods are used, depending on the dam or the **client's needs**.

Mostly dredging is used for cleaning dams, tanks, lakes, where production can't be stopped or the water can't be drained.



Pumps

All types of pumps are hired out for different applications. These include hydraulic, submersible, mobile diesel and electric.

All repairs are done in-house on different pump sizes.



Wet Sandblasting

Sandblasting is done with a high-pressure jet machine with different grid and different pressures.

Sandblasting is used to **clean structure tanks and welding residue in tanks** for x-ray purposes.



Demolishing

Non-explosive demolishing is done for mines, building plants and factories.



Rehabilitating

This service is offered for mine dumps, oil storage areas, scrap yards and spills of all types of materials and products. Products are removed and samples are taken, until contamination has cleared up.

The area is filled up with cleaned materials. Contaminated materials are dumped at a legal dumping site with documents of the **client's request**.

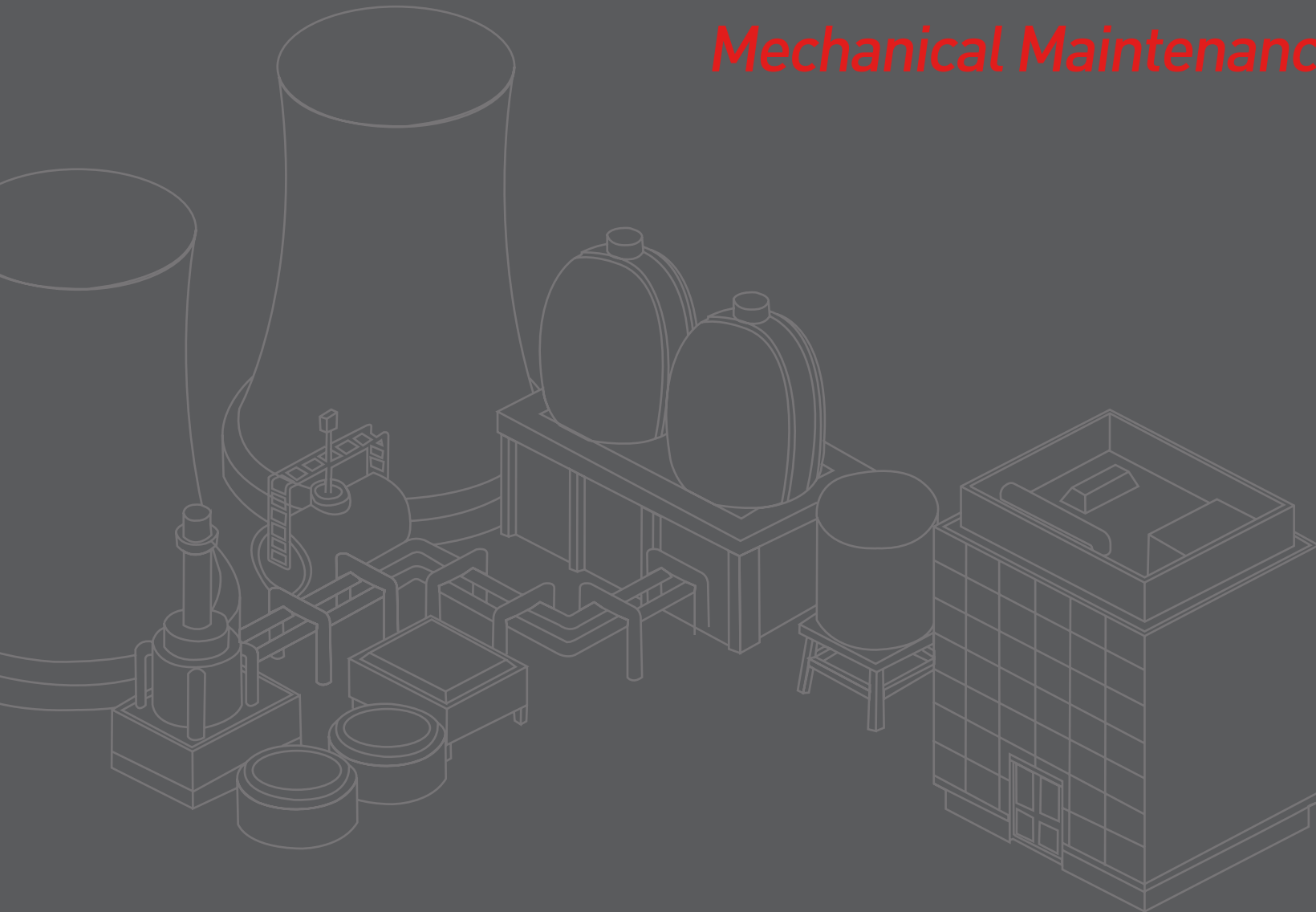


Civil

All type of civil services are done with qualified personnel, such as roof gutters, tiling, building structures, painting – **all types of repairs are done.**



Mechanical Maintenance



Mechanical Maintenance

Mmakgoge offers **installation and maintenance** services of mechanical systems such as structural steelwork, process equipment, pipework, tanks and vessels.

Our highly experienced team have been carrying out mechanical shut-downs and maintenance since 2006, including work on:

- Pipework fabrication and installation •
- Vessels •
- Columns •
- Heat exchangers •
- Valves and pumps •
- Plant maintenance work in the power stations •
- Compressor servicing and repairs •
- Precipitator repairs and maintenance •
- Fly ash bunker refurbishment •
- Gearbox, pumps and shafts refurbishment •



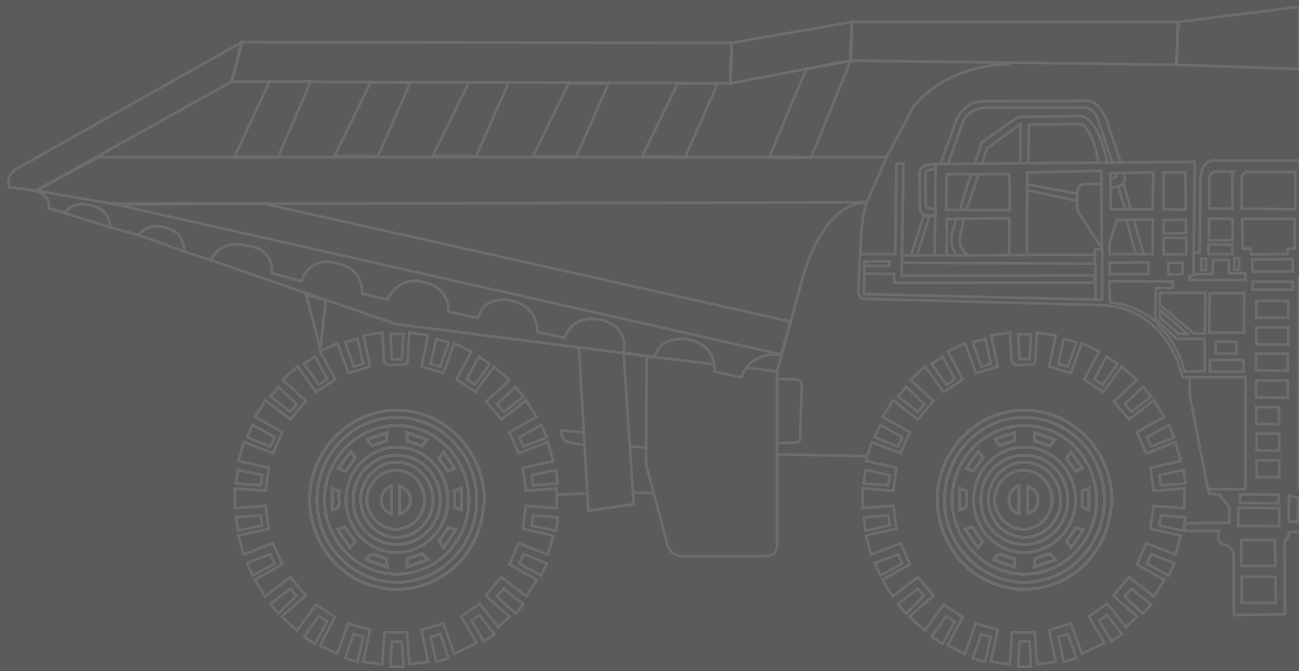
Mechanical and Fabricating

Mmakgoge have a team of **qualified personnel** for all types of mechanical and fabricated services and a fully equipped workshop.

All types of structure, tanks, platforms, chutes, gearboxes and shafts are built and repaired.
(Your request is our demand.) This includes all types of cutting and milling.



Distribution

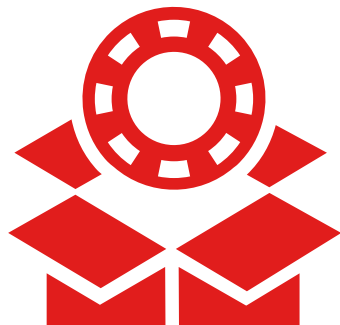


Distribution

As an additional service to our clients, enlargening the scope of our turnkey offering, Mmakgoge are also **qualified industrial maintenance** product, part and accessory stockists. As your partner, we provide you with a single access point for all your industrial maintenance requirements. Informing you of your assets' status before they go into downtime. Letting you know when a part needs to be ordered and taking care of the installation without further outsourcing.

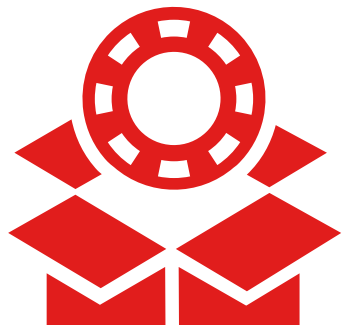
Services include:

- Filtration products and accessories
- Oil and water strainers, filters and bags
- Oil purification plant
- Heat exchangers, decanters and water treatment chemicals



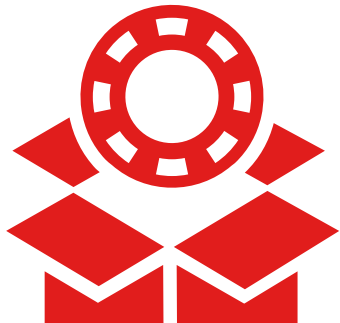
Earth Moving Equipment Hire

Hire of TLB, excavators, front-end loaders, water tankers, tippers, compressors, gensets and skip loaders on contract basis.



Mobile Screening and Crusher Hire

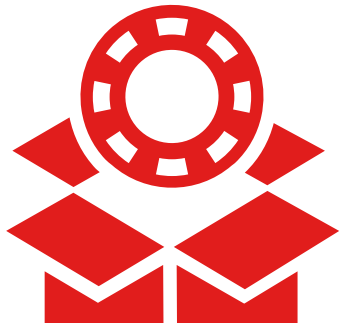
Hire of mobile crushers and screens (dry or wet).



Labour Hire

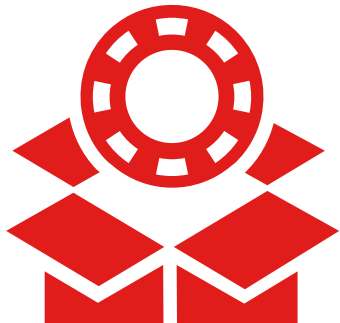
Hire of qualified welder, boilermakers and fitters.

Hire of general labour for conveyor plant and factory cleaning.



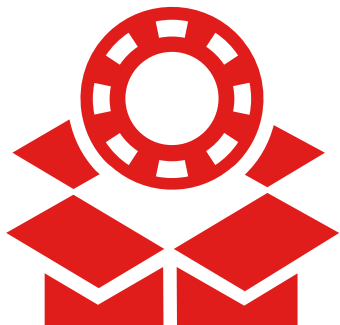
Conveyor

Repairs and cleaning of roller, gearbox and belt repairs.



Other

- Pipeline pressure testing – testing of welds, joints and packings.
- Tanker cleaning – cleaning of truck tankers, and railway tankers.
- Dragline cleaning – structure, oil sumps and electrical components.



Current Projects



Current Projects

- Duvha Power Station (local operating & cleaning of overland, conveyor boom, OTS and local staithes) •
- Matimba Power Station (outside plant cleaning) •
- Arnot Power Station (belt splicing and repairs) •
- Tutuka Power Station (precipitator maintenance and repairs) •
- Free state hospitals (maintenance, repairs and servicing of steam generation plants, steam and condenser reticulation system and various mechanical equipment) •

Contact Us

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