



# MEGA FLOW

PUMPS • ARMATURE WINDING • PLANT O&M • CONSULTING



## COMPANY PROFILE

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GAUTENG & WESTERN CAPE

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**SABS**  
ISO 9001



SANS 10242-1 | SANS 60079-0&1

B-BBEE STATUS: LEVEL 1 CONTRIBUTOR |  
RECOGNITION LEVEL 135

# OVERVIEW

Megaflow was established and has traded since October 1990. We specialise in and offer products/services that are related to the repairs and refurbishment of industrial & municipal use pumps; armature winding, including the refurbishment and repairs to AC and DC motors up to 13MW and Transformers up to 30MVA; Plant Operation and Maintenance; and Water Sector Consulting to major industrial and municipal customers. Our head office is in Richards Bay, with a footprint throughout South Africa – we have offices in the Western Cape (Knysna) and Gauteng (Johannesburg).

Our Western Cape operation manages the electro-mechanical maintenance to all the plant and equipment associated with raw-water intake, storage dams, reservoirs, water treatment plants, water pump stations, sewerage pump stations, waste water treatment works, desalination plants and boreholes. This includes monitoring of the infrastructure via SCADA and Telemetry and the maintaining of a computerised maintenance management system.

Megaflow employs a total of 41 staff. This includes qualified artisans (fitters, turners, millwrights and electricians) semi-skilled artisans, and sales and administration personnel.

We are the Original Equipment Manufacturer approved repair shop for a large number of OEMs including Tsurumi, Rapid Allweiler, JS Pumps, WEG/ZEST. We repair & maintain all types of pumps, gearboxes and electric motors, transformers, vibrators, generators and alternators. All pumps and motors repaired are tested and certified prior to delivery. Our pump and electric motor test facilities are fully calibrated and remain compliant with our ISO Accreditation and SANS Certification.

Qualified personnel carry out all repairs; and we guarantee our work. All pump and electric motors repaired in our workshops are tested prior to delivery and are accompanied with performance-curve test certificates.



2025 marks 30 years of Megaflow's existence and operation. Starting off as a modest service provider in October 1990, Megaflow has transformed into a professional, value-driven company with a range of certifications and accreditations.

As we look to the future, Megaflow continues to re-invent itself into a technologically driven company that is able to respond to ever changing customer demands.



# VALUES

## 01 QUALITY

Our ISO 9001:2015 Quality Management Standard assures our Customers that we employ and maintain the highest quality standards in everything we do.

## 02 SERVICE EXCELLENCE

Our commitment to service excellence means that we strive to do everything right the first time; and that we are available 24 hours a day, 7 days a week to attend to our customers' needs.

## 03 INTEGRITY

Ethics and integrity govern all that we do - this means that we will not pay a bribe or offer favours to secure any work.

## 04 THE MEGAFLOW FAMILY

This value creates the family context of belonging and caring for our staff and customers. Belonging to the Megaflow Family and caring for each other guides our service excellence. Our strict adherence to Occupational Health and Safety requirements reflects this value.

**MEGAFLOW EXISTS TO OFFER A COMPREHENSIVE & VERSATILE RANGE OF TOP-QUALITY PRODUCTS AND SERVICES TO WHICH WE ARE PROUD TO ENDORSE.**



# SERVICES

## 01 PUMPS

The repair & sales of submersible, centrifugal and vacuum pumps.

## 02 ARMATURE WINDING

Armature Winding, repairs to, and refurbishment of low, medium and high voltage AC electric motors up to 13MW, DC motors up to 10MW and transformers up to 30MVA.

MEGAFLOW capabilities KZN, WC, Gauteng:

- LV motors - up to 650KW, 220V to 1000V
- MV and HV Motors - 13MW to 11KVA
- VPI Plant - Sterling Resin, 2.8m x 3.5m
- Balancing (In-house)
- Vibration Testing (In-house)
- Transformers - up to 30MVA
- Oil testing, servicing, oil purification
- Power analyser and surge tester (In-house)
- Machining and Manufacturing (In-house)





# SERVICES

## 03 PLANT OPERATIONS & MAINTENANCE

These services are tailored to suit specific client needs. Conceptually, this would entail the following:

1. Undertake a site and desk-top review of current situation at plant.
2. Define Occupational Health & Safety requirement.
3. Define risk assessments.
4. Undertake high-level condition monitoring of plant and equipment, together with an assessment of past maintenance cost records (if any)
5. Propose an O&M solution that would include:
  - Repairs to existing infrastructure.
  - Preventative maintenance programme.
  - Manpower and equipment to undertake programme.
  - Deployment of preventative maintenance soft-ware to monitor and manage interventions.
  - Periodic reporting on interventions.

Our **I.O.T. PROGRAMME**: We have developed an I.O.T. programme to assist clients invest in and acquire capital assets such as, but not restricted to, technology associated with telemetry and SCADA in the monitoring and maintenance of their plant and process; and other capital asset acquisitions. After negotiation and agreement, Megaflow would **INVEST** in the development of capital assets. Once the investment has been made, Megaflow would then monitor, **OPERATE** and/or maintain these assets, and; after a pre-determined period, **TRANSFER** the capital assets (always including skills transfer) to the client.

## 04 WATER SERVICES CONSULTING

1. Water Service Development Plan Revisions.
2. Water Service Development Plan Performance and Water Services Audits as required by the Water Services Act.
3. Business Planning for Water Institutions.
4. Research aimed at Water Institutions.
5. Project Monitoring & Evaluation for Water Institutions.
6. Bulk Water Supply Contract Negotiations between Water Boards and other Water Institutions.



# CLIENTS

## **SOME OF OUR KEY CUSTOMERS INCLUDE:**

South 32 - formerly Hillside Aluminium (BHP Billiton)  
Isizinda Aluminium  
Mozal (BHP Billiton)  
Richards Bay Minerals (Rio Tinto Group)  
Richards Bay Coal Terminal  
Transnet  
Mondi Business Paper & Mondi Packaging  
Tongaat Hulett's Sugar Group  
Foskor  
Tronox KZN Sands, South Africa  
Illovo Sugar Mill Group  
Mhlathuze Water Board  
uMhlathuze Municipality including other municipalities in KwaZulu Natal  
Water and Sanitation Services  
Sappi  
Izimbiwa Coal  
Rand Water  
Arcelor Mittal Steel  
Knysna Municipality, Western Cape  
Bergrivier Local Municipality, Western Cape  
Tendele Coal Mine  
Engineering Top Tech  
Bidvest Tank Terminals  
Bell Equipment  
ZAC - Zululand Anthracite Colliery

We have fully equipped mechanical and electrical workshops and a machine shop, with the following equipment:

- Lathes
- Milling machines
- Horizontal boring mill
- Shapers and presses (5 - 100 ton)
- Burn-off and curing ovens
- Coil-winding machines
- Risatti winding testers
- Core testers
- Balancing machine

## **WE ARE DISTRIBUTORS FOR:**

Tsurumi, Franklin-Electric, AQS, SPP Pumps, JS Pump, Weg-Zest & Becker Mining, Rapid Allweiler





# ACCREDITATION

As of 1 January 2010, Megaflow achieved, and still maintains a "Level 1 BBEE Contributor In terms of revised BBEE Legislation, Megaflow is a QSE (qualifying small enterprise) that is 100% Black owned.

With effect from 26 October 2011 we have been certified to comply with ISO 9001:2008. Late in 2017 we converted to the new ISO9001:2015 standard. Our certificate number is LS 4761.

On 22 May 2015 we were awarded the SABS General Permit Mark - SANS 10242-1:2013. In December 2017 we were awarded the SANS 60079-0-1 General Permit Mark - Number 10536/16999.

Megaflow has a 7-ME CIDB grading.

In February 2019, Megaflow was appointed as the preferred Technical Assistant to the ZEST Weg Group. In this regard we are the approved repair shop for ZEST Weg products.

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**OUR CERTIFICATES CAN BE FOUND ON OUR WEBSITE.**

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