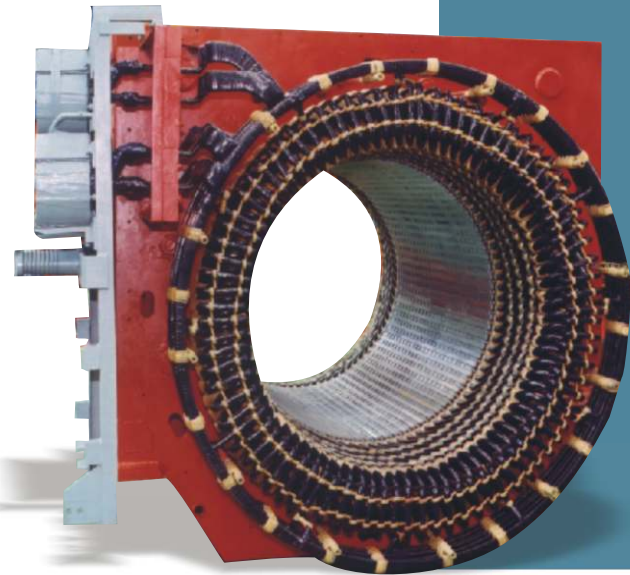


ROTATING MACHINES

Africa's leading private Power Generation, Electrical and Mechanical Repair Facility



This facility boasts modern, state-of-the-art equipment for insulation assessment and mechanical repairs across a full range of machines, from fractional kW up to 63MW. Computerised data checking and coil winding is used throughout.

Our vacuum pressure impregnation systems include thixotropic epoxy resin for low voltage machines, 707 polyester resin for all direct current armatures and an epoxy resin system for high voltage machines. The high voltage system is fully computer controlled with capacitance measurement of the impregnation process.

Our test bays can handle small motors up to 1MW, and large machines up to 21,3MW and 11kV. Load testing up to 5MW is now available. Double-hook cranes up to 100 tons and balancing machines up to 34 tons ensure safe handling. High speed balancing up to 3000 rpm is also available.

We also offer on-site condition monitoring, machine installation, design and manufacture of AC or DC machines to customer specification. We also offer full in-house 3D CAD design capabilities.



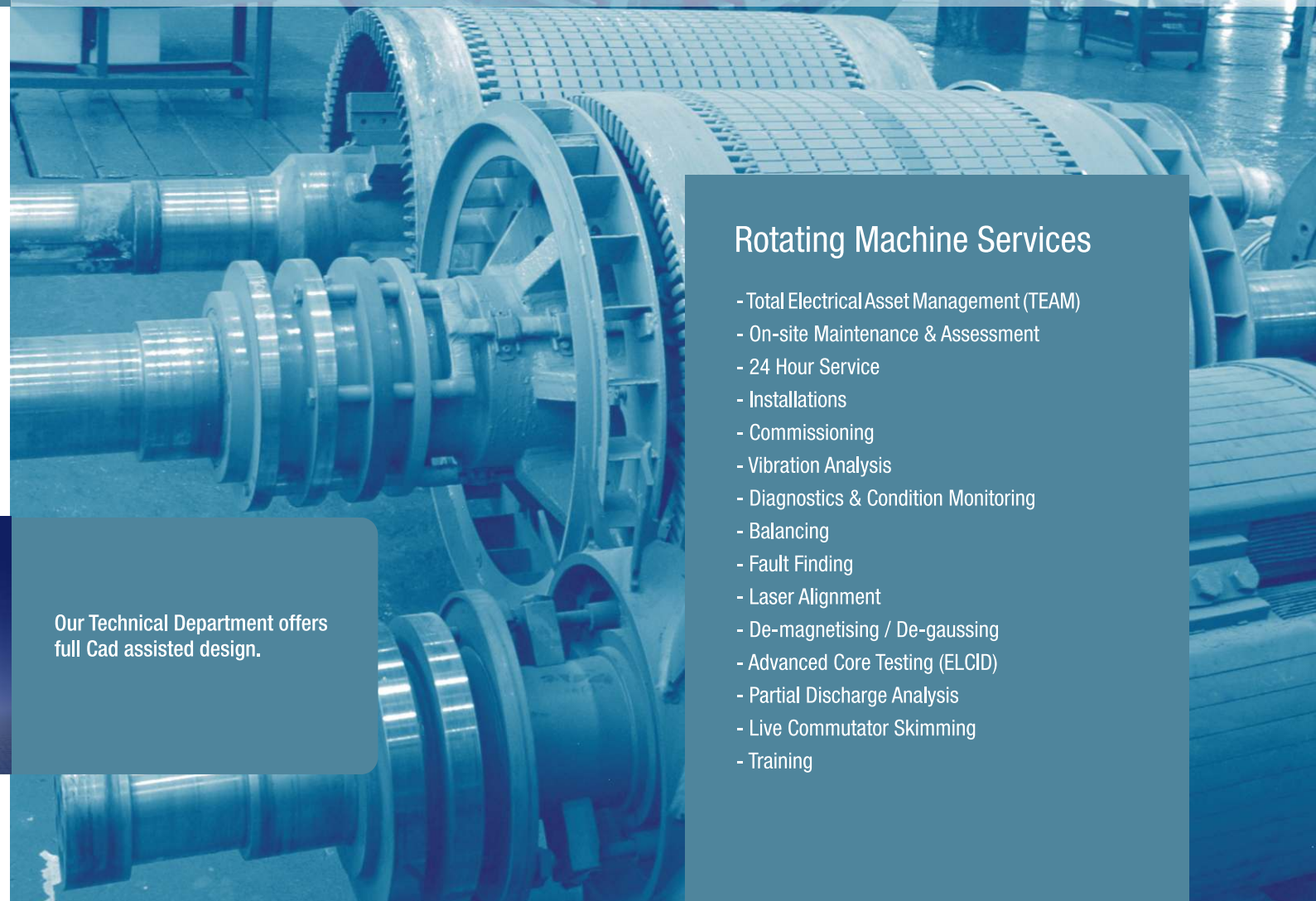
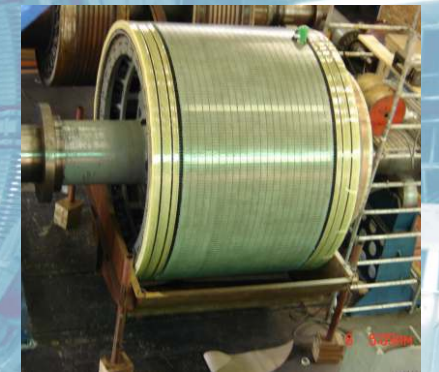
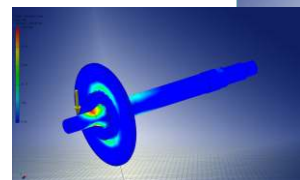
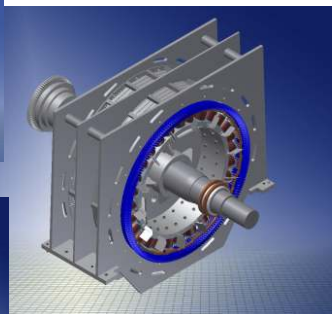
TYPES OF MOTORS

- MEDIUM VOLTAGE MOTORS
- LOW VOLTAGE MOTORS
- INDUSTRIAL DC MACHINES
- LARGE DC MACHINES
- DC TRACTION
- AC TRACTION
- ALTERNATORS
- POWER GENERATORS



SPECIALIZED TRACTION DIVISION

- Specialized Design & Manufacture
- Vibration Analysis
- Balancing
- Specialized fault finding
- Root-cause Analysis
- Load Testing
- Commutator Manufacture and Repair
- Specially Formulated Resins
- Motor Condition Assessment Center



Rotating Machine Services

- Total Electrical Asset Management (TEAM)
- On-site Maintenance & Assessment
- 24 Hour Service
- Installations
- Commissioning
- Vibration Analysis
- Diagnostics & Condition Monitoring
- Balancing
- Fault Finding
- Laser Alignment
- De-magnetising / De-gaussing
- Advanced Core Testing (ELCID)
- Partial Discharge Analysis
- Live Commutator Skimming
- Training

Our Technical Department offers full Cad assisted design.