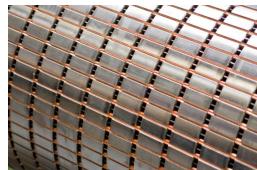




ATB Group UK Service Centre
ATB Laurence Scott
ATB Morley

SPARE PARTS

- Overnight express and worldwide shipment to reduce downtime of our customers
- According to our own design
- Reverse engineering for old parts
- Tested quality



FIELD SERVICES

We provide professional field services. We work closely with our customers to ensure the ATB Laurence Scott and Morley Service Centre in Norwich provides the best solutions for each application.

- Commissioning & Start-up
- Alignment Service
- Trouble Shooting
- Overhaul & Diagnostics
- Site Supervision



REPAIR, RETROFIT & OVERHAUL

- Major overhaul/refurbishment of the LV, MV asynchronous, synchronous, DC, motors and Power Generators
- Manufacturing of major motor components such as Stators, Rotors, bearing housings etc.
- Provide complete machining and mechanical repairs – full machining and fabrication capability; shaft manufacturing and replacement; rotor balancing; lamination and core building



REWIND & COIL MANUFACTURE

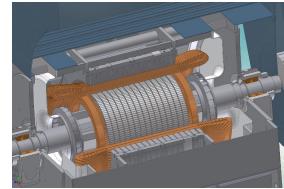
We provide simple rewinds through complex multi speed machines, and specialist redesign including an update service.

- Full rewind facility
- High specification coil manufacture
- Rotor rewind and rebars / induction brazing technique
- Design studies for uprate and modifications
- VPI, resin rich dip and trickle or hybrid impregnation techniques



REVERSE ENGINEERING

- This is fully supported by our own Engineering department



TESTING

Every repaired or overhauled machine will be checked in our own test facility. We provide a wide range of testing.

- Test benches for LV and HV motors
- Tests comply with latest IEC, EN, DIN and ATEX standards; own ATEX expert available
- Test documentation is issued as a standard
- Complete coil, stator and rotor testing together with load testing to 14.5MW up to 13.8kV
- Full flux testing
- TAN Delta testing
- Vibration and noise testing
- Overspeed, locked rotor, torque speed determinant
- Measurement of torque vs speed curves
- Efficiency evaluation
- Test up to 15MW
- Partial discharge test
- Surge test



DIAGNOSTICS / CONDITION MONITORING

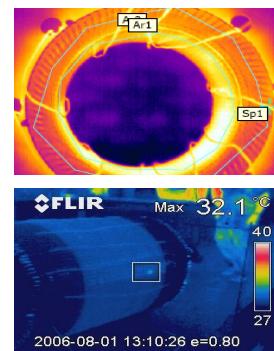
We provide a diagnostic and consultancy service in for reducing downtime of our customers.

Diagnostics

- Thermographic analysis
- Bearing analysis
- Vibration analysis
- Laser alignment

Winding diagnostics

- PD-testing
- Tan-delta test
- Baker testing
- Polarization index



TECHNICAL CONSULTANCY & TRAINING

Assistance with technical projects.

- Design and feasibility studies
- "Training of customers" staff on site or at manufacturing works

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