



ATB Group UK Service Centre
ATB Laurence Scott
ATB Morley

HISTORY

Founded in 1883 in Norwich by William Harding Scott, Laurence Scott & Electromotors (LSE) became a renowned manufacturer of high-quality electric motors, generators, and control gear for maritime, military, and industrial use. Famous for supplying the Titanic's fan motors, LSE powered Navy ships, submarines, and early traffic lights, later becoming a part of the ATB Group.

ATB Morley Ltd, established in 1897 in Leeds as the Morley Electrical Engineering Company Ltd, has a long history specialized in manufacturing high-performance electric motors, particularly for mining and industrial drive solutions. Following acquisition by the ATB Group in 2015, production was consolidated in Norwich, UK, in 2021.



THE PRODUCT

The company has extensive experience and skill in the supply, repair and maintenance of all types of electrical rotating machines in industries including oil and gas, water and sewage, mining, nuclear and defence.

Our products are distinguished by performance characteristics configured to suit individual application needs, leading to excellent product reliability and long in-service life.



CONSULTANCY & TRAINING

At ATB Group we can assist with highly technical and unique projects. These can also include:

- Design and feasibility studies
- FEA Studies
- On site or in house at our manufacturing Training



SPARE PARTS

At ATB Group we can provide spare parts for all items within Laurence Scott and Morley brands. These can be overnight express delivered including worldwide shipment to reduce downtime in critical conditions on site for customers.

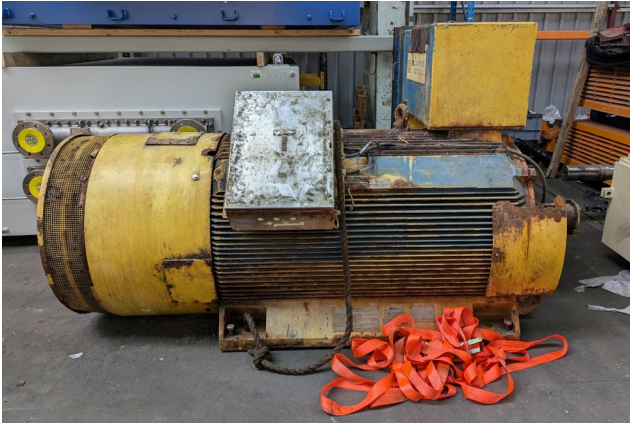
All parts will be according to our own designs, reverse engineered if required due to age and as always will be tested to the highest quality!



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

With a complete OEM facility in the UK we can overhaul, repair and refurbish a large range of motors and generators including Low and High voltage induction, synchronous and DC motors.

Our machining centre provides in house manufacture of replacement parts includes major components such as shafts, rotors, stators, frames and bearing housings as required. Within our facilities we can provide both low and high-speed balance as required by the application.

Once overhauled we can apply our premium exterior coatings for arduous environments. Our standard CX paint systems are qualified to ISO 12944 in any RAL colour requested for the application.



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

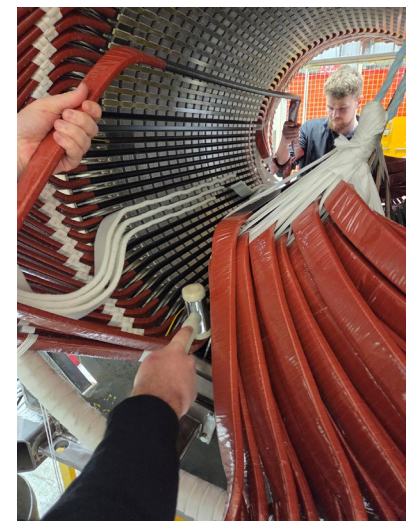
- PD-testing
- Tan-delta test
- Surge Testing
- Polarization index



REWIND & COIL MANUFACTURE

We provide rewinds for standard single speed through to complex multi speed machines and specialist redesigns including an update service.

- Full rewind and testing facility
- High specification coil manufacture
- Rotor rewind and rebar using induction or torch brazing techniques
- Design studies for uprate and modifications
- VPI or resin rich insulation with dip, trickle or hybrid impregnation techniques



TESTING

All repaired or overhauled machines will be checked on our in-house test bed facility. All testing will come with documentation as standard allowing records to remain maintained after overhaul.

Our test bed facilities are among the most comprehensive available in the country run by a team of highly qualified electrical and mechanical engineers.

This combination of resources, expertise and experience enables a “whole life” approach to customer needs and allows both the Laurence Scott and Morley brands to provide the highest levels of reliability and availability demanded by modern day industry.



Our testing ability includes;

- Complete motor testing at full load up to 14MW up to 13.8kV
- 50Hz and 60Hz Supply capabilities
- Mixed Frequency testing up to and beyond 14MW
- Full flux testing
- Tan Delta testing
- Partial discharge test
- String test – no load
- Surge Test
- Vibration and noise testing
- Overspeed
- Locked rotor and pull out torques
- Measurement of torque vs speed curves
- Efficiency evaluation
- Impulse testing to 80kV
- Tests comply with latest IEC, EN, DIN and ATEX standards

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