



# Performance Testing

TDC Parsons Peebles' Rosyth workshop facility provides a complete range of test facilities for high voltage motors and generators. All tests are carried out in compliance with the latest international specifications and standards.

TDC Parsons Peebles operates one of the most comprehensive test facilities in Europe, which has been fully optimised to handle medium and high voltage motors and generators. Our unique testing configuration allows us to conduct condition assessment and full load testing of both new and refurbished reverse-engineered units, with direct load testing of induction motors up to 8.0MW at 60Hz and 7.5MW at 50Hz. Synchronous motors and generators up to 65MVA can also be tested by employing the open circuit zero power factor method. By thoroughly testing equipment prior to mobilisation, our customers can have full confidence that all new and refurbished machines will meet or exceed operational requirements when installed on site. Our Rosyth facility's main bay has an overhead lifting capacity of 63 tonnes with additional lifting capacity of 25 tonnes and 15 tonnes.

Our dedicated team is available 24 hours a day, 365 days a year, working tirelessly in our facilities and on-site to provide our clients with the highest standards of engineering excellence.

## Key Services

- HV Motor and Generator Testing
- 3.3, 6.6, 11 and 13.8kV Running Tests
- Thermography and Vibration Analysis
- Shaft Current Discharge Analysis
- Laser Alignment
- Direct Load Testing up to 8MW
- Synchronous Testing up to 65MVA
- Locked Rotor Tests and Starting Torque Measurement
- Testing to BS EN IEC60034
- Purge System Testing
- AC/DC Hi-Pot Testing
- Overspeed Testing
- Noise Testing
- Full FAT Capability
- Trim Balancing
- Core Flux Testing
- EL-CID Testing
- 24 Hour Availability