

Central Energy

Wind Generator Repairs

Repairing for the environment
whilst caring for the environment

0151 546 6000
gocentral.co.uk

OVERVIEW

Central Group has extensive experience in repair and refurbishment of drives and generators. This expertise has allowed us to extend our business into specialising in wind turbine generator repair and refurbishment.

Our prime objective is to ensure that every part of a generator is inspected and subjected to a comprehensive test programme. Then following repair, and prior to installation, the generator is retested to minimise any chance of unexpected failure.

In order to prolong the life of your equipment, we can attend site to carry out essential inspections and maintenance. Or, alternatively we can bring faulty/damaged components back to our fully-equipped workshop in the North West of England.

DIAGNOSTICS INSPECTION & TESTING

The latest diagnostic inspection equipment is used to determine what work needs to be undertaken.

We back this up with state of the art core loss inspection equipment. In addition, we use thermographic/vibration analysis to highlight possible weak spots in equipment that may compromise efficiency and ultimately its life span.

We have dynamic testing facilities at our workshop for generators up to 3.5MW and comprehensive static test equipment, which enable us to guarantee the future performance of the generators we work on.

Only the highest quality materials are sourced for our repairs and refurbishments. Plus, all generators are fully re-tested before installation to the turbine tower. We take extreme pride in knowing that due to some of the superior components we install, fully refurbished turbines have been known to out perform brand new ones!



WORKSHOP SERVICES

Root cause fault analysis, providing a comprehensive report listing the components that have failed or caused a generator to fail.

- Rotating current control
- Thermographic and vibration monitoring
- Dynamic balancing, encompassing a range of types and size of machine up to 10 tonnes
- 20 tonne lifting capacity

ONSITE TESTING AND REPAIR CALLOUT RESPONSE SERVICES

- High quality pre/post warranty generator testing
- Full fault inspection and diagnosis
- Thermal imaging and vibration analysis
- Complex or remote locations

The above are all carried out by fully trained engineers who are familiar with all makes of generators, including manufacturers such as ABB as well as Leroy-Somer, Siemens and Weir.

We can directly supply you with the very latest products from our stock which means less reliance on third party suppliers.

MORE REASONS TO CHOOSE CENTRAL

- Online job tracker, updated throughout the day as jobs progress
- Specialist fleet of vehicles with 18.5 tonne capacity
- Tight quality control procedures
- Over 40 years of experience
- Our workshop is centrally located in the North West of England, with access to a traffic network that is able to easily serve the whole of the UK and Ireland.



For further details contact us on **0151 546 600**
or visit **gocentral.co.uk**





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GROUP



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DRIVES

- ABB Drives Alliance Partner
- Stocks of both New & Hire Drives up to 400kw
- Dedicated Drives Service Team
- UK Agent/Stockist for AOIP



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ENERGY

- Energy Appraisals & Site Surveys
- Energy Efficient Products to Latest EU Standards
- Wind Generator Specialists



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RELIABILITY

- Thermal Imaging
- Vibration Analysis
- Laser Alignment
- Lubrication Systems



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SALES

- Motors
- Drives
- Pumps
- Control Gear



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ENGINEERING

- Full Machine Shop
- 20 Tonne Lifting Capacity
- Fabrication Facilities
- In-house Engineering Design/Modification
- AC & DC motor repairs



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PUMPS

- On-site Services
- Pump Repairs
- Pump Testing
- Agents for ITT Flygt & Grundfoss

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