



DC Machines

Providing tailored engineered solutions

Having proven their reliability over decades of day to day use in the widest possible range of applications including drives for steel and non ferrous rolling mills, mine winders, generators, ship propulsion motors and generators, testing rigs, wind tunnels and many other industrial applications, DC machines as with all electrical machines require essential maintenance to ensure peak performance.

With over 80 years experience and specialist engineering expertise, Quartzelec is in a prime position to support motors and generators and associated electrical equipment from on-site service and repair to major rewinds and overhauls. Quartzelec's excellent design and engineering services will ensure that all requirements are fulfilled.

Key Capabilities

- Lifetime care and maintenance packages including long term service agreements (LTSA's) and life extension programmes (LEP's)
- Machine outage works
(basic annual inspections and diagnostic testing)
- Machine refurbishment, repair and rewinds
- Machine upgrades
- Support for all OEM manufactured equipment
- 24/7 support service

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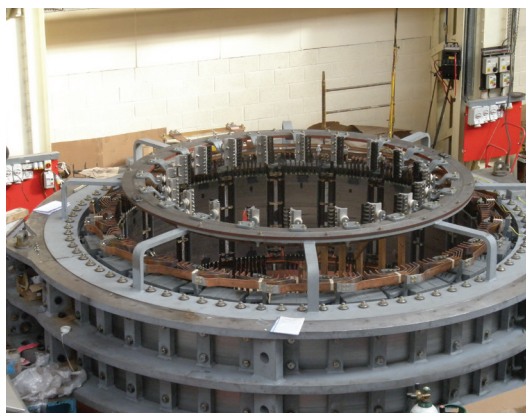
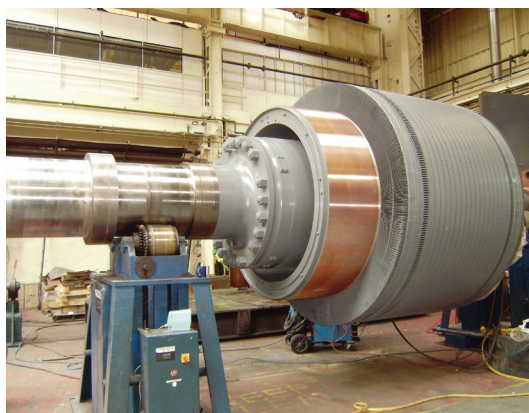
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Throughout the life of the machine, deterioration may occur in any of its components, including:

- Insulation
- Armatures
- Commutators
- Windings
- Frame
- Poles

In order to minimise the risk of unnecessary downtime and unexpected failure, routine maintenance is essential. Quartzelec can assist with this in providing a range of maintenance solutions to help minimise costs and increase plant availability.



Service and Maintenance Options

Based on the priorities of the machine and the requirements of the customer, Quartzelec can provide a tailored scope, suggesting various maintenance and refurbishment solutions including:

- Design and machine engineering
- Major overhauls
- Repair and refurbishment
- Long Term Service Agreements
- Installation and commissioning
- Diagnostics and life assessment testing
- Site service
- New equipment and spares supply

In order to provide a comprehensive quote with suitable options, various initial inspections may be conducted. Attention is given to those features of design that facilitate systematic maintenance such as the provision of easy access to internal parts and the avoidance of pockets and projections likely to harbour dust and dirt.

Upgrading

With changes in technology, increasing demands placed on these machines and the high quality requirements of the customer, Quartzelec can also assist with reviewing the design and construction of these machines and incorporate changes to technology to raise their already high standard of reliability.

As a customer, you can rely on Quartzelec to provide a smart, proactive approach. Contact us to discuss your next project or to find out more about our range of services.