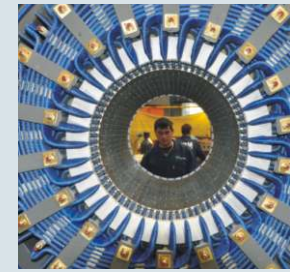


POWER GENERATION

Africa's leading private Power Generation, Electrical and Mechanical Repair Facility.



LHMarthinusen have a dedicated pressurised newly-built facility for clean, controlled, isolated work on stators and rotors of generators up to 600 MW – made possible among others by a 100 ton single-lift crane (with 160 ton dual-lift capability). The power generation division naturally also benefits from the existing LHM Rotating Machines infrastructure, with the largest Vacuum Pressure Impregnation (VPI) tank in the industry allowing global VPI of the largest components.

Even with state-of-the-art equipment, successful long-term power generation work can only be accomplished with the experience and attention to detail that only specialist personnel can provide. To this end, LHM has acknowledged permanent in-house specialists, formal agreements with leading original equipment manufacturers (OEMs), and ongoing access to expert local and international consultants.



Power Generation Services

- Turbo Generators
- Hydro Generators
- Rotors and Stators
- State of the Art Equipment
- New strategy and drive with major investment
- Acclimatized Enclosure



Equipment and Infrastructure

- Stator Bar Presses
- 8 Meter Vacuum Oven
- Tailored Coil Sandblasting
- Comprehensive Range of Test Equipment
- Field Coil Manufacturing Facility



Facilities and Capabilities

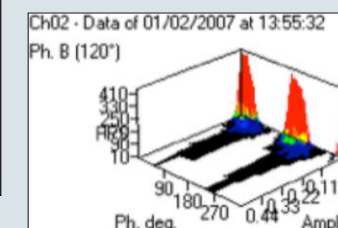
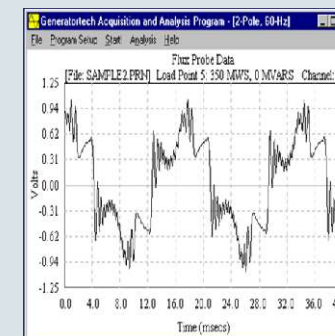
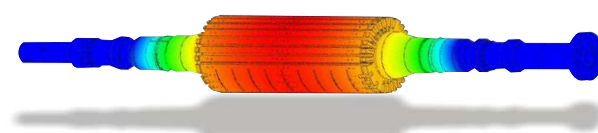
- Resin Rich and VPI Coils
- Roebel Bars
- Dedicated Pressurised Power Generation Facility

Specialist Power Generation Services on all machines up to 600 MW, including:

- Turbo-Generators
- Hydro-Generators
- Diesel-Driven Generators
- Cylindrical Rotor and Salient Pole Machines



Our Technical Department offers full Cad assisted design.



LHMarthinusen Expands with Dedicated Power Generation Facility

LHMarthinusen recently opened its dedicated customised (and yet highly flexible) pressurised maintenance and refurbishment centre for Power Generation Rotating Machines. Although LHM have performed Power Generation work for many years, this work was carried out under the Rotating Machines' Division banner. Anyone familiar with this industry will know that Power Generation work requires very specific dedicated infrastructure, equipment and personnel – from management to artisans.

For this reason, LHM intentionally limited their power generation work to projects which were critical to their customers, holding back with this work until the correct structure and platform was complete. This platform is now complete.



Power Generation Services

- Dedicated Pressurised Power Generation Facility
- On-site maintenance and assessment
- 24 hour service
- Installation and Commissioning
- Specialist Outage Services
- Diagnostics and Condition Monitoring
- Vibration Analysis and Balancing
- Specialist 3D CAD services including FEA
- Fault Finding and Failure Analysis
- Demagnetising / De-gaussing
- Partial Discharge Analysis (via buscouplers & RTD's)
- Stray-flux measurement and analysis
- Very-low frequency HV testing
- Supply & fitment of buscouplers & stray-flux probes
- Specialist Training
- Established ties with Expert Consultants and OEMs
- 100 Ton Single-Lift Crane Capacity