

Capability Statement

18 Oct 2018

GENERTECH PTY LTD

GENERTECH
ELECTRICAL MOTOR SPECIALISTS

INDUSTRIES SERVED

MINING

OIL, GAS & ENERGY

Company Details

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Employees: 20

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Genertech is a specialist in overhauling and repairing electric motors and generators. It also repairs and rewinds many type of coils and contactors.

The company's experienced tradesmen have completed many critical repair tasks all over Australia and overseas, including recently in South Africa.

Our team of experts travel around Australia and overseas rewinding and repairing large electrical machines that are too large to be transported. It also carries out work at its Victorian workshop.

Genertech has a long history working with major electrical machine manufacturers like Hitachi, Toshiba, Siemens etc.

Summary

Genertech has the capabilities and experience to handle all aspects of electric motor and generator overhauls and repairs, both on and off site. Locally owned and operated by Robert Mizzi in the Latrobe Valley (Eastern Victoria), Genertech has

been servicing businesses all over Australia for more than 15 years and prides itself on providing an efficient service that minimises customer downtime and disruption.

Description

Genertech provides a multitude of services for rotating electric machines and also repairs and overhauls coils, reactors and contactors.

Genertech tests all equipment and machinery before they leaves the workshop. Work is guaranteed for workmanship and materials. We only use the available materials and take pride of our experienced workforce. We will not cut corners when it comes to safety and quality.

We do modifications to motor shafts, mountings and couplings. We can manufacture adapter plates to suit wide range of electric motors.

Genertech Overhauls, Repairs and Services:

AC Motors and Generators

DC motors and Generators

Actuators

Thrusters

Contactors

Solenoid coils

And Much More.

If the electric motor is not repairable, Genertech are agents for several motor manufacturers and can supply a new motor to your specifications promptly.

Industries Served

- > Mining
- > Oil, Gas & Energy

Major Clients

- > Siemens
- > Toshiba
- > AGL
- > Energy Australia
- > Australian Paper
- > UGL
- > Alinta Energy

Accreditations

- > ISO 9001 - Quality Management System
- > AS/NZS 4801 - OH&S Management System
- > ISO 14001 - Environment Management System
- > AS/NZS 3800 - Electrical equipment for explosive atmospheres

Products & Services

- > Supply of new High and Low Voltage Motors both AC and DC
- > Overhaul, repair and servicing of all Rotating Electrical Equipment
- > Overhaul, repair and servicing of Actuators, Brake Thusters, Contactors and Solenoid coils.

Facilities and Equipment

- > Genertech's is situated on 5 acres of land. Its workshop consists of 2000m under roof
- > with a lifting capacity of 100 tons and clearance of 11m under hook. Genertech has
- > the capability to test all electrical equipment both mechanically and electrically from
- > 12v to 11000v, 0.18kW to 8500kW.

Previous Significant Projects

2018

**80,000KVA, Siemens Generator Rotor
Overhaul and Repair
\$75,000**

Client: Toshiba

Carry out electrical tests on rotor windings (tests to include IR, RSO)
Carry out daily IR test of generator rotor and record test results
Remove rotor retaining rings
Remove coupling
Carry out NDT of rotor shaft change in section
Carry out NDT of cooling fan blades
Thoroughly clean and inspect the slip rings
Carry out visual inspection of rotor windings
Carry out electrical tests on rotor windings (tests to include IR, RSO, PI and Winding Resistance)

2017

**Rewind 8000kW Mitsubishi Motor
\$400,000**

Client: AGL Loy Yang Power Station

Dismantle and assess
Clean stator, rotor and parts
Core loss test stator & rotor
Surge test windings
Record the details of the windings
Remove the old winding
Prepare the Stator core iron
Manufacture new Stator winding coils
Fit new winding coils to Stator
Manufacture and fit wedges
Test new windings
Measure & inspect bearing housings & shaft journals
Replace bearings, seals and gaskets
Varnish stator and rotor
Reassemble motor
Test run, no load

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