



# **SHARJAH & OMAN ENGG. CO LLC.**

We strive for Quality, Customer Satisfaction, and Technical Standards.

# ABOUT US

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Sharjah & Oman Engg. Co LLC. incorporated in the year **2004** with an aim to provide engineering solutions to the Cement, Petrochemical, Steel, Power Rental, Oil & Gas industries etc. We provide innovative solutions for sustainable progress. Our professional team works to increase productivity and cost-effectiveness on the market. The wealth of our company is vested in our people. A team of dedicated professionals who continuously strive for better technologies, combined with quality & experience makes our service standards from better to best providing the customer a reason for satisfaction at competitive prices. We take pride in keeping the quality as our prime concern and maintain a fairly good and competitive price as compared to the rest in the market.

## OUR MISSION

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Our mission is to provide cost-effective solutions in the respective specialized areas and also willing to enhance new technology, induct more machinery and manpower to provide you the best possible services.

To maintain technical excellence with a commitment towards quality and schedule.

To help the best get better by adding value through guidance.

To enable our valued customers to enhance productivity, reduce operating costs, and facilitate an edge over their competition.



**No. AE-Q-274**



**ISO 9001  
REGISTERED**

# REWINDING

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Our air-conditioned rewinding facility with necessary tools and equipment combined with the knowledge and expertise of our skilled technicians supervised by a qualified electrical engineer, guarantee our customers with quality and dependability you deserve for re-conditioning/rewinding of generators, alternator, motors(AC, DC), etc. We take pride in keeping the quality as our prime concern and maintain a fairly good and competitive price as compared to the rest in the market. Our mission is to provide cost-effective solutions in the respective specialized areas and also willing to enhance new technology, induct more machineries and manpower to provide you the best possible services.

## THE FOLLOWING ARE THE FACILITIES WE HAVE AT OUR REWINDING CENTRE

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### Stator Winding

- Rewinding the entire stator with new coils to class 'F' and class 'H' level of insulation.
- Re-insulating the stator coils to class 'F' and 'H' insulation.

### Stator Core

- Replacement of complete stator core pack or damaged stamping with new, suitable grade core material.
- Re-varnishing and restacking of a damaged laminated core.

### Rotors

- Replacing the rotor bars in gauge rotors with new bars of identical shape and size.
- Rewinding and repairing of both salient types (pole brick winding can be done up to 710 frames) and smooth cylindrical type rotors.
- Replacement of rotor stampings.
- Repair and replacement of slip rings.
- Rewinding and repair of transformers up to 10 MVA.

### In house Repair and Complete overhaul of the following capacity

- Motors up to 5750 KW 6.6, 11 KV
- Alternators complete rewind up to 17,750 KVA
- Repair and refurbishment of GE752 and EMD D79 traction motors
- Repair of Baylor Brake used to power offshore and land-based drill rigs.
- Repair and refurbishment of Explosion Proof Motors (Ex 'd' Ex'e' Ex'n')
- High-efficiency motors
- Rewinding of submersible motors

### DC Machines

- Solid/laminated yoke field assembly.
- Rewinding and up-rating the capacity and upgrading.
- Insulation to class 'F' and 'H'.
- Repair of commutators and mica undercutting.
- Replacement of carbon brushes.

### Mechanical Services

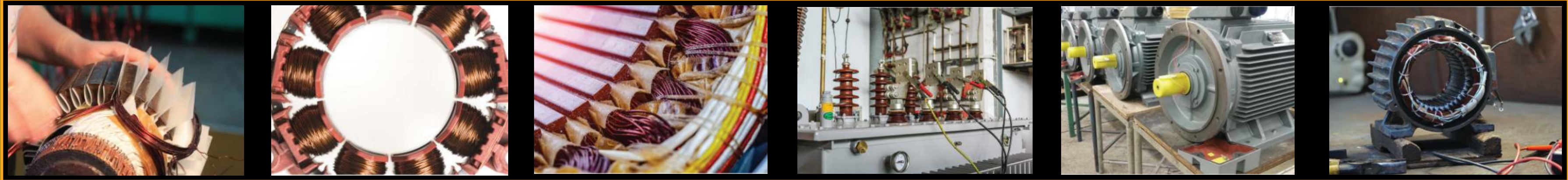
- Load test of diesel generators.
- Dynamic balancing of rotors.
- Vibration analysis and condition monitoring of rotating machines.
- Repair and reconditioning of rotor shafts bearing steps bearing journals, housing end shields slip rings, and more.
- Press-out and press-in of shafts with up to 300 tons of pressure.
- Replacement of worn-out coupling.

### Testing Facility

- Load test for motors and alternators.
- No Load Run test for motors and alternators.
- Core Eddy Current test.
- Step Voltage test.
- Inter Turn Insulation test (surge comparison).
- Tan Delta test.
- Controlled Overvoltage test.
- Polarization Index test(PI).
- Insulation Resistance Test.
- Winding Resistance Test.
- Visual inspection Load test of diesel generators.



# REWINDING





# MACHINE SHOP

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Our machine shop is equipped with specialized machines to salvage engine parts and components consisting -Vertical line boring machine, Crankshaft grinding machine, Crankshaft straightening equipment, Line boring machine Surface grinding machine, Honing machine, Cylinder head re-conditioning machine, Connecting rod boring machine various other required tools and fixtures, etc.

A team of highly skilled / trained employees supervised by qualified/experienced people who can assure fault-free repair, salvage & manufacturing of components to the required specification.

This division also has a range of lathe machines of various sizes in a well lit and covered work area spaced adequately to enable easy access of the given job this division is also supported with various other machines - such as Drilling machine, Shaping machine, Milling machine, Line boring machine vertical boring machine, etc.

Our range of machines also includes Portable engine-driven welding sets, Portable boring machines power generators for the supply of electricity at the site, Field service vehicles, and a team of highly experienced/skilled machine operators exclusively dedicated to fieldwork. We can undertake jobs at the site to components as well as reconditioning work INSITU at the defective areas by rebuilding and machining to its original specification/size.



# OUR DIVERSIFIED ACTIVITIES: 24 X 7

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## Field Service:

Our trained technicians are professionals who average more than 15 years on the job are equipped with the necessary special tools, equipment & support team to perform INSITU Machining, Welding Fabrication, Power Generator repair, and service/maintenance, etc.

## Marine Works:

Our qualified engineers and technicians have the skill and knowledge to provide quality repair and maintenance services to the marine/dredging industry. We provide services such as machining hull repair works, power generator repairs, welding works onboard vessels either offshore or at the docks.





# CONTACT US

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