

COMPANY PROFILE & CAPABILITY STATEMENT



Authorised
Service
Centre



S1

SECTION 1

OUR STORY



Our story begins on the 10th of October, 1988, when Ted and Paul Faint first opened their doors as Statewide Motor Rewind Company Pty Ltd. In the decades to follow, the business grew from a small, father and son endeavour to become Electro Mechanical Repair WA, an industry-leading, ISO 9001-accredited company.

Over 33 years of operation and sustained growth, EMR has established itself as a respected leader in the refurbishment, rewind, overhaul and sale of a wide variety of rotating and fixed electrical equipment.

Our facility uses the most advanced tools and technology available, operated by a team of experienced, trade-qualified professionals.

Now with ISO 9001 certification and backed by EASA AR100 accreditation, EMR provides world class repairs utilising the latest labour-saving, semi-automatic machinery to complement our highly skilled workforce.



Built on a father's tradition of exceptional customer service and exemplary craftsmanship, EMR only ever delivers quality. When Paul finished his electrical apprenticeship, Ted said, 'You're a tradesman now, son - do it once, do it well.' This mantra has become the hallmark of the business and continues to be taught today.

We service a wide variety of businesses within Australia. Among our clients is WEG, a multinational leader in electric motors, generators, transformers, variable speed drives and coatings. With operations in over 20 countries, WEG provides electric engineering, power and automation technology to countless customers around the world. We are proud to be trusted with their technical work.

EMR is also an active member of the Electrical Apparatus Service Association (EASA). EASA is an international trade organisation operating in over 60 countries. Through its many engineering and educational programs, EASA keeps members up to date on materials, equipment and state-of-the-art technology.

Still privately owned and proudly family operated, EMR remains close to its roots while being able to expand and develop into a progressive, successful company. With alternative energy industries emerging and a new generation of skills underway, EMR is in prime position to keep current and future electrical equipment operating at high efficiency.

EMR - precision and reliability since 1988.



SECTION 2

OUR PEOPLE



PAUL FAINT
Managing Director

Paul founded EMR in 1988 and has developed the company to the respected industry leader it is today. Paul's primary goal is the continued uptake of the latest technology across the sector, and an unwavering commitment to quality repairs and services to all customers of EMR.

Paul is a Trade Qualified Electrician who holds an electrical contracting license. He is recognised within the industry as a leading and innovative business owner, for his advanced technical knowledge in motor rewinding and for his dedicated service to the Asia-Pacific electro-mechanical arena.



SCOTT LOWE
Works Manager, Director

Scott is a Trade Qualified Electrician who began his career in electrical rewinding as an adult apprentice with EMR in 1998.

Since then, Scott has become an invaluable member of the company as a director and has played an active role in EMR achieving its service objectives.

As Works Manager, Scott oversees workshop operations and strategic development, while ensuring a high level of customer service.



BRET WARNER
Workshop Supervisor, Director

Bret is a Trade Qualified Electrician with a Diploma in Electronics who began his career as an adult apprentice in electrical rewinding at EMR.

Since then, Bret has become a highly skilled and knowledgeable Workshop Supervisor and company director.

Bret regularly uses his technical knowledge and experience to effectively mentor our tradesmen and apprentices



SECTION 3

OUR EXPERTISE

Everything we do at EMR is underpinned by a stringent quality management system that is documented, implemented and maintained as per International Quality Management Standard ISO 9001.

As well as our ISO accreditation, EMR was also the first company in Australasia to become EASA AR100 accredited.

These achievements demonstrate our ongoing commitment to always ensuring ultimate customer satisfaction and excellent quality of work.

Using an accredited service provider to bring a motor back to as new efficiency is a critical investment in asset management that can ultimately save thousands of dollars in electricity per year.

REWINDING

Typically, a motor takes just over two weeks to consume its acquisition price in electricity. Over time, what appear as small decreases in efficiency quickly add up in running costs.

High efficiency electric motors demand proper stripping and rewinding to prevent loss of efficiency which otherwise results in higher operating costs.

EMR utilise pre and post core loss testing to ensure laminations are not damaged through the controlled pyrolysis burn off furnace cycle. Quality through documented and proven procedures when rewinding remains our core competency.

OTHER AREAS OF EXPERTISE INCLUDE:

ELECTRIC MOTORS & GENERATORS

Complete care including rewinding, refurbishment and modifications.

PUMPS

Small process centrifugal, liquid ring vacuum, large slurry, submersible, sewerage.

ONSITE SERVICES

Specialist labour for planned shutdowns, emergency breakdowns, condition monitoring, real time shaft voltage measurement and remedial action, drives and soft starter commissioning and training, site audits for critical spares.

VIBRATORY MOTORS

Preferred repairer for URAS, with quality and reliability to factory standards.

WEG AUSTRALIA

Authorised Service Agent with competencies for low voltage motors, medium and high voltage motors, DC motors, drives and soft starters, generators.



SECTION 4

OUR COMMITMENT

Electro Mechanical Repair's policy is to meet or exceed customer requirements in a timely and cost-effective manner.

TO ACHIEVE THIS, WE ARE COMMITTED TO:

- meet the requirements of EASA AR100 and ISO 9001,
- seek continual improvement in product and service quality,
- set quality objectives that are based on internal and external feedback and review these for continuing suitability at regular intervals,
- maintain the highest levels of integrity in all relationships with customers and suppliers,
- respect environmental and social interfaces with the local community, and
- ensure that all stakeholders are fully conversant with this policy and completely understand their respective roles in upholding it.



This policy is communicated to all interested parties including customers, employees, shareholders, suppliers and local communities affected by our organisation.

SECTION 5

OUR CULTURE



The EMR team is our work life family and we would all be devastated if harm came to any one of us, especially under our watch. As such, EMR employees actively participate in OHS initiatives to ensure we provide a safe, healthy, zero-harm workplace. To achieve this, we are committed to:

- clearly communicating our WHSE policy to employees and stakeholders
- ensuring all equipment is maintained and in good working order
- maintaining operations that reflect legal, community, social and other relevant standards
- providing positive leadership and role models that constantly and consistently reinforce our health and safety message
- conducting regular monthly management and toolbox meetings to raise safety issues and initiatives and to ensure all employees are constantly reminded of their obligations to maintain a safe working environment
- providing formal and informal on-the-job training and the motivation for career development of staff to improve their skills and experience and follow safe work practices.

To enhance the safety and health of the workplace, EMR employs experienced electrical engineers, electrical and mechanical fitters and motor rewind specialists who can add value to the workshop team.

Reporting to the Workshop Manager, new staff are responsible for the refurbishment, electrical fitting and rewinding of a variety of electric drives, electric motors and pumps as well as assisting in the training and supervision of trainees and apprentices.

EMR REQUIRES STAFF MEMBERS TO BE QUALIFIED WITH:

- a current and valid trade electrical licence or mechanical qualification
- sound technical knowledge
- broad knowledge of AC & DC motors from fractional H/P to large machines
- machining and dynamic balancing experience
- self-motivation with a high attention to detail.

All new staff members are required to undergo a formal company induction on commencement of duties, wear appropriate PPE and participate in ongoing toolbox meetings, workshop inspections and other safety matters.

Staff members enjoy modern workshop facilities, a great team environment and quality work practices using the latest equipment.

In our care for the environment, EMR complies with relevant statutory regulations that ensure any chemical spills or dust contaminants are strictly contained, the risk of exposures to air or groundwater supplies are mitigated and our footprint remains small.



56

SECTION 6

OUR PRODUCTS

ELECTRIC MOTORS

- IEC General Purpose
- IEC Mining Motor
- IEC Brake Motor
- IEC Two Speed
- Single-Phase IEC / General Purpose
- Low and High Voltage Machines
- Single-Phase NEMA Standard
- Three-Phase NEMA Standard



WEG DRIVES

- Variable Speed Drives
- Soft-Starters

WEG CONTROLS

- Motor Protection and Starters
- Capacitors and Power Factor Correction
- Electrical Circuit Protection
- Electronic Relays
- Pushbuttons and Pilot Lights
- Switch Disconnectors



WEG ELECTRIC PANELS

- Control Panels

WEG GENERATION, TRANSMISSION AND DISTRIBUTION OF ENERGY

- Generators
- Transformers



SECTION 7

OUR SERVICES

EMR prides itself in being able to offer refurbishment, rewinding and overhauls of a wide variety of electrical equipment including:

- All WEG motor and automation repairs and servicing
- Generator repair, service and load testing
- Motor modifications including operational voltage, frequency, speed, ratings (I.P), mounting, VVVF ready, etc.
- Planned onsite shut down and maintenance
- Preventative and predictive maintenance
- Pump refurbishment, service and tank testing
- Real time testing for shaft voltages and discharges with relation to triple VVVF drive application
- Rewind for 1000 volt & VVVF with corona resistant anti-spike wire
- Root Cause Analysis (RCA) reporting
- Specialist machine tool spindle motors AC & DC
- Variable speed Motor (AC and DC) repair and service
- Vibration analysis, reporting and remediation action
- Vibratory motor repair and service



SECTION 8

OUR FACILITIES

EMR operates from a fully equipped 1400 sqm facility with 2600 sqm of hardstand and logistics, a 12-tonne lifting capacity (although we regularly refurbish much larger machines assisted by contract crane companies) and multiple Linde forklifts in the industrial hub of Landsdale, Western Australia.

Our workshop houses some of the most advanced technology in the electrical rewinding industry including a large, controlled pyrolysis burn off furnace with recordable reporting, a Schenck dynamic balancing machine and a Samatic automatic coil winding machine.

With 1000 amps of in-house power supply, we service equipment from fractional to large AC and DC machines.

OUR EQUIPMENT INCLUDES:

Furnace Engineering VPI 260 Controlled Pyrolysis Burn-off Furnace*

Lexseco 2025E Core Loss Tester*

Samatic 2680 automatic coil winding machine with DC Wizz

Titan semi-automatic wet blast cabinet

Schenck CAB 708 3 tonne dynamic balancing machine certified ISO 1940/1*

Samatic SA6250R & SA15000P digital motor testers*

AEGIS Fluke 190-202 scope meter, for detecting real time shaft currents*

FAG Detector III*

SKF Easy-Laser E540 alignment tool*

Various Hi-pot, Milli-ohm*, AVO, Surge equipment, Thermal imaging camera

Various power supplies 0-415V 250 amps, 0-415V 1000 amps, 0-1000V 415 amps, 0-415V VVVF

Simatherm IH 090 Bearing Induction Heater

Large below ground varnish tank and fan forced baking oven

Filtered pressure sensitive spray booth

Dedicated motor test beds

Fully equipped machine shop with large lathes and drilling machines. Milling, steel cutting. Fabrication with MIG, TIG, ARC welding facilities. In-house machining and fabrication facilities.

*All the above devices come equipped with computer generated reporting



SECTION 9

OUR DETAILS

ELECTRO MECHANICAL REPAIR WA (EMR)

31 Hoskins Road, Landsdale WA 6065

ABN: 96 009 338 729

office: (08) 9309 2877

email: info@electromechanical.com.au

web: www.electromechanical.com.au

KEY PERSONNEL

PAUL FAINT

Managing Director

mob: 0419 927 228

paul@electromechanical.com.au

SCOTT LOWE

Works Manager, Director

mob: 0429 901 895

scott@electromechanical.com.au

BRET WARNER

Workshop Supervisor, Director

mob: 0415 514 856

bret@electromechanical.com.au





ELECTRO MECHANICAL REPAIR WA
31 Hoskins Road, Landsdale WA 6065

TEL (08) 9309 2877
EMAIL info@electromechanical.com.au

www.electromechanical.com.au