



NRG

INDUSTRIAL PTY LTD

**CAPABILITY
STATEMENT**

NRG Industrial Pty Ltd

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|---------------------------|------------------------------------|
| ABN | 47 139 584 053 |
| Electrical Licence | 72078 |
| Year Established | 2009 |
| Managing Director | Grantley Jack |
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NRG Industrial Pty Ltd (NRG) is a privately owned electrical contracting company, established in 2009 by Grantley Jack, NRG's Managing Director. Grantley has a Diploma in Management and an Advanced Diploma in Mine Electrical Engineering Management. As an electrician he has over 25 years commercial, industrial and mining experience. Highly regarded in the electrical industry, he is one of few members of the Australian Standards Review Committee and is an experienced Electrical Engineering Manager. Grantley is primarily responsible for business development and client relationships.



ABOUT

NRG is a leading supplier of electrical contracting services throughout Queensland for industrial and commercial clients, mining and energy companies, top tier contractors and government entities.

NRG specialise in installation, commissioning, maintenance, repairs and project management with additional capabilities in high voltage, hazardous areas, engineering and consultancy. We service mining, industrial and commercial clients throughout Queensland, with our head office and workshop located on the Capricorn Coast.

We supply plant, test equipment and materials to complete projects of all sizes, as well as routine field maintenance and emergency breakdown assistance. With NRG, you receive a customised electrical solution using the latest technology, reliable brands and quality components in accordance with best practice and Australian Standards.

All work is completed by our fully trained workforce. Their level of commitment, technical capability and experience provides clients with a value for money service. From start to finish you will get the same personnel, facilitating workflow and project delivery. We currently employ a core workforce of 30+ people with a proven capacity to upscale at short notice, depending on workflow and project requirements.

Our financial strength combined with our technical capability and depth of experience gives clients confidence in our ability to complete projects of all sizes. Supported by certified quality, safety and environmental management systems, we have a proven track record of delivering safe, cost effective and quality service.

CAPABILITIES

NRG have comprehensive experience in delivering electrical services to a broad range of sectors throughout Queensland. NRG's operations are strategically located in Central Queensland, with our head office and workshop on the Capricorn Coast. Our geographic location enables us to effectively deliver services to key resource areas, industrial and commercial markets in this region.

MARKET SECTORS

MINING

Draglines, shovels, trucks, process plants and ancillary infrastructure - conveyors, stackers, reclaimers, samplers, weightometers, stockpile lighting, train load out systems, materials handling facilities.

INDUSTRIAL

Rail electrical infrastructure, industrial complexes, area, street and traffic lighting, fuel farms, water and sewerage infrastructure, electrical equipment - generators and welders.

COMMERCIAL

Accommodation facilities, commercial buildings, sporting facilities, offices and restaurants.

RESIDENTIAL/ INFRASTRUCTURE

Subdivision infrastructure, residential installation, maintenance and repairs

AREAS OF EXPERTISE

- HV and LV electrical systems
- Wiring
- Lighting
- Switchboards
- MCC's
- Overhead and underground cabling
- AC and DC motors and associated controls
- PLC programming
- Telemetry

Competitive rates

Technical capability

Comprehensive catalogue of plant and test equipment

Materials supplied from OEM

Financial strength and stability

Quality, Safety and Environmental Accreditation



SPECIALIST SERVICES

HIGH VOLTAGE

NRG are one of the only specialist high voltage contractors in the Bowen Basin. We take care of full design, fabrication, installation and commissioning of high voltage infrastructure projects, as well as delivering maintenance.

- Substation maintenance
- Overhead lines
- Switchboards
- High voltage audits and
- Inspection, testing and statutory compliance

HAZARDOUS AREAS

We can manage electrical equipment in hazardous and restricted access areas, including comprehensive risk management and planning.

- Explosive protective equipment repair and installation
- Maintain equipment in hazardous areas
- Certification of explosion protection equipment
- Hazardous area audits.

ENGINEERING AND CONSULTANCY

We provide a full electrical engineering and consultancy service, for short and long-term projects, as well as one-off technical advice.

- Drafting services
- Technical advice
- Cost efficiency strategies
- Machine utilisation efficiency
- Maintenance programs.

STATUTORY TESTING AND AUDITS

NRG provides statutory testing and compliance audits of electrical equipment to ensure your workplace complies with legislation, standards and codes of practice.

- HV and LV testing
- Electrical audits
- High voltage audits
- Hazardous areas audits
- Compliance, and
- Test and tag service.

MINE ELECTRICAL ENGINEERING MANAGEMENT (MEEM)

For full-time and part-time statutory EEM obligations, as well as advanced design of electrical installations, NRG can facilitate your statutory compliance as well as project progression.

- Design of electrical installations
- Installation and maintenance of electrical equipment
- Work carried out in the vicinity of electrical installations
- Obligations under the Coal Mining Safety and Health Regulations Section 17-34.

CORE SERVICES

DESIGN, INSTALLATION AND COMMISSIONING

NRG are experienced at delivering a comprehensive suite of electrical services across a range of industry-specific applications.

- Wiring installations
- Lighting
- Switchboards
- Substations
- Overhead and underground reticulation and distribution
- Instrumentation and process control
- Air conditioning
- Communications
- High voltage, low voltage
- Hazardous areas.

MAINTENANCE & REPAIRS

Our maintenance and repair services keep clients' assets operating at peak performance, reducing operational costs, optimising reliability and extending life of equipment.

- Modifications, upgrades, overhauls, rebuilds and repairs
- Maintenance and repairs of HV and LV infrastructure
- 24/7 breakdown response and technical support
- Development and implementation of preventative maintenance programs
- Condition monitoring and assessment
- Evaluation of diagnostic data
- Asset performance and efficiency improvements

PROJECT MANAGEMENT

Whether it's a comprehensive project management package or one project manager, we provide personnel with the experience to suit your project, supported by business management systems and scheduling software to assist with delivery.

- Scoping
- Planning
- Procurement
- Logistics
- Quality assurance
- HSE
- Project execution
- Progress reports
- Commissioning and handover to client.

We can draw additional capability from our network of preferred contractors to provide our client with a single solution to complex projects.

TEST AND TAG

We use Australia's most advanced testing, tag printing and asset management system. Ideal for high volume applications, saving you time and money.

- Latest technology
- Fully qualified technicians
- Mobile onsite service
- Electrical asset register and test report
- Reminder service.

LABOUR HIRE

Available for labour hire or to complement project work, NRG supply skilled labour with industry expertise at competitive rates.

- Electrical engineers
- Project Managers
- Supervisors
- Tradespeople
- Instrument technicians
- Trades assistants
- Operators
- Commissioning crews
- High voltage switching specialists
- Hazardous areas electricians, and
- HSE advisers.

REMEDIAL WORKS

We rectify pre-existing faulty installations and equipment that are non-compliant with Australian Standards, codes of practice or design specifications. NRG produces work to the highest standards. Our skilled tradespeople re-fit faulty installations using the correct product and procedures to ensure your equipment complies.

WORKSHOP

- Switchboard maintenance, repairs and reconfiguration (HV and LV)
- Electrical assembly of distribution boards, switchboards and other custom enclosures
- Transportable substation modifications
- Clean, inspection, testing and repairs of lighting, generators and mobile electrical plant



CLIENTS

NRG has delivered many projects across a range of sectors throughout Central Queensland for global resource companies, industrial and commercial clients and government entities. We pride ourselves on repeat business, built on our proven track record of delivering quality, cost-effective service on time and in budget.

We tailor our services to meet our clients' needs. Ranging from labour hire to turnkey projects, we look forward to all challenges. NRG's specialist industry knowledge and expertise make us a valuable partner.

Our clients include:

- Anglo American
- BMA
- Downer EDI
- Glencore
- Hastings Deering
- Ensham Resources
- NRW
- Rio Tinto
- Theiss
- UGL
- Vale
- Wesfarmers
- Yancoal



EQUIPMENT

NRG's fleet of service vehicles, plant and equipment are fully equipped for project works, field maintenance and emergency breakdowns. We supply qualified operators and our equipment is also available for dry hire.

- Service vehicles
- Welders
- Lighting plants
- Generators
- Compressors
- Elevated work platforms
- Tip truck
- Insulated bucket truck
- Excavator
- General earthmoving equipment
- Amenities

We have an extensive range of meters and specialist equipment for inspection, testing, condition monitoring and trouble shooting.

- Multi clamp meters
- Insulation testers
- HV testers
- Cable locators
- Ohmmeters
- Earth testers
- Current clamps
- Thermal imaging cameras
- Calibrators
- Circuit breaker analysers
- Ohmmeters
- Gas detecting units.

NRG supply all the resources to complete your project as part of our full service. We provide fit-for-purpose solutions using the latest technology and quality OEM components.



WORKFORCE

NRG has a diverse and skilled workforce consisting of project managers, supervisors, engineers, instrument technicians, tradespeople and support staff with a mix of resource sector, commercial and industrial expertise.

We have a pool of 30+ employees to draw from and a capacity to upscale at short notice depending on workflow and project requirements.

We supply highly skilled safety and service orientated people, providing a value for money service on all projects. We offer consistency of people and continuity of service from start to finish, facilitating workflow and project delivery.

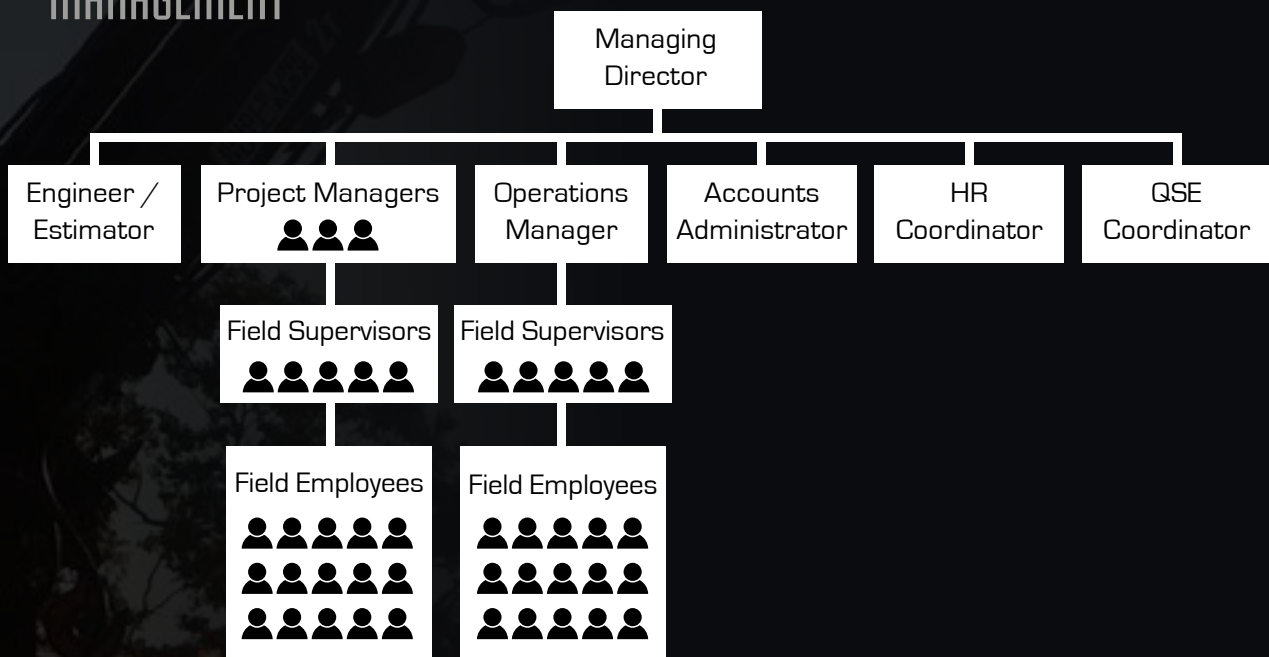
TRAINING & SKILLS

Our workforce is continually trained to develop their individual capabilities, enabling our business to grow. We operate an effective HR process, which incorporates careful curation and monitoring of our employees' capabilities. This means that we are able to provide any required training or capability information at short notice.

Regular training for our employees covers:

- High voltage
- Hazardous areas
- Working at heights
- Elevated work platform
- Confined spaces
- Supervisor training
- Safety and risk management training
- CPR, LVR and first aid
- Safe systems of work
- Industry inductions
- Apprenticeships and mentoring

MANAGEMENT



PROJECTS

Design, Installation & Commissioning

Stockpile Lighting

Client: BMA Daunia

Reconfiguring stockpile lighting to provide an additional 30m of storage width, dressing and modifying 8x30m stockpile lights.

Switchboard Upgrade

Client: BMA Saraji

Audit and report of aging switchboards across site to determine defects. Rectification of non-compliant switchboards including repairs to defects, supply and installation of replacement switchboards. Preparation and supply of corresponding drawings and documentation.

Central Region Water Pipeline

Client: BMA

Integration of water distribution systems across BMA's northern pits. Electrical works including excavation works, underground conduits and cable pits, supply and install of MCC and HV cables to floating pontoon pumps associated instrumentation and control including advanced telemetry.

Diesel Electric Trucks

Client: Hastings Deering

Electrical installation of twenty (20) 795F AC Caterpillar Trucks

Conveyor Installation

Client: BMA Gregory Crinum

Supervision, installation and commissioning services of electrical works for maingate 24,25, 26.

CHPP Construction

Client: Downer EDI (Wesfarmers Curragh site)

Installation and commissioning of electrical infrastructure and instrumentation of new 1200tph plant. Also included Supervision and Electrical Engineering Management.

Maintenance and Repairs

Electrical Maintenance

Client: Glencore Rolleston

Electrical maintenance of dragline, coal handling facility and provision of shift relief.

Dragline Shutdowns

Client: BMA

Scoping, planning, procurement, project execution and handover to client, draglines 35,12, 21.

Dragline Walk

Client: BMA

Planned, executed and supervised walking 5 draglines from Norwich Park to Caval Ridge mine.

Diesel Electric Trucks

Client: NRW

Electrical maintenance and repairs of EH 3500 and EH 4000 Hitachi diesel electric trucks at Middlemount Coal.

Electrical Maintenance

Client: Yarrabee Coal

HV/LV installation and maintenance of the industrial area. Servicing and breakdowns on wash plant infrastructure and electric trucks.

Project Management

Dragline Maintenance & Infrastructure Services

Client: Isaac Plains Coal Management

Asset management of Dragline, CHPP Maintenance and Electrical Engineering Management.

Specialist Services

High Voltage Audit

Client: Department of Natural Resources and Mines

Audit and report of aging HV infrastructure at Mt Morgan Mine to determine defects and repair/replacement requirements to restore to a compliant and serviceable condition.

Hazardous Areas Audit

Client: BMA Norwich Park

Hazardous areas audit of decommissioned CHPP and associated areas. The report advised on achieving compliance with installation standards and regulations.

Electrical Audit

Client: BMA Norwich Park

Audit and report of CHPP and ROM area to determine remedial electrical works necessary to return plant and associated facilities to service.

HV Reticulation Infrastructure Upgrade

Client: BMA Norwich Park

Upgrade of aging main substation, recabling to all HV transformers on site and removal of out of date oil circuit breakers. The modernisation of the installation provided security of supply, a safer and more robust 11kv distribution system and reduced the system's risk profile.



ACCREDITATION

SAFETY: AS/NZS 4801

NRG is committed to providing a safe working environment for our employees, sub-contractors, customers and members of the public. We aim to achieve our goal of Zero Harm through the implementation of our Safety Management System. This describes the guiding principles on how we effectively manage our safety practices and is driven by a risk management approach. We promote a positive safety culture through leadership, communication and consultation with all stake holders. Our workforce shares our commitment to Zero Harm by complying with safe work practices and positive safety behaviours.

QUALITY: ISO 9001

Our clients can be confident of receiving electrical service and products of the highest standard, on time and budget. Our Quality Management System describes the process we have in place for delivering each stage of our business and services. It provides a platform for NRG to continually improve through planning, implementation, monitoring and review of our work practices.

ENVIRONMENT: ISO 14001

NRG minimises its environmental footprint by integrating environmentally considerate work practices throughout our business and services. Our management system includes an environmental standard of good practice for managing risks associated with the use of:

- Motor vehicles
- Electricity
- Water
- Packaging
- Paper and other recyclables
- Oil and fuel storage and
- Resource sharing and waste minimisation



COMMUNITY

NRG has strong ties with the people and communities in which we live and work. We recognise our social responsibility to give back to the community for supporting our business and services. We aim to employ local people and support procurement from local suppliers.

We assist a variety of community groups, non-profit organisations, charities and fundraising events through sponsorship, financial contributions and volunteering. NRG support the following organisations:

- Variety the Children's Charity
- RACQ Helicopter Service
- Prostate Cancer (Battle of the Mines Golf Day)
- Yeppoon Rugby League
- Capricorn Coast Netball association.

NRG are also members of the following industry associations:

- Mine Electricians Safety Association (MESA)
- Master Electricians Australia
- Australian Standards Review Committee



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