



MINING | INDUSTRIAL | SOLAR



ABOUT NRG

NRG Industrial is a contracting company that provides Electrical services in multiple industries throughout Queensland and wider Australia. NRG was established in 2009 by Director Grantley Jack, creating a business that provides industry leading services with core commitments to safety, quality, and strong work ethic.

NRG provide a diverse range of services throughout three core industries:

- Mining
- Industrial
- Solar



Across these industries, NRG specialise in projects, labour hire and maintenance providing services in project management, supervision, installations, commissioning, compliance, maintenance and repairs, extra low voltage, low voltage, high voltage, hazardous areas, instrumentation, engineering, and consultancy.

NRG's operations are strategically located in Central Queensland. The geographic location of the business allows us to effectively deliver services to clients locally and throughout the Bowen Basin.

We supply labour, plant, test equipment and materials to complete projects of all sizes, as well as routine field maintenance, labour hire 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. We currently employ a core workforce of 50+ 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 to adequately meet all needs as a one stop electrical solution. Supported by certified quality, safety, and environmental management systems, we have a proven track record of delivering safe, cost effective and quality service.

OUR SAFETY COMMITMENT

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.

We take a hands-on management approach with all aspects of our business, especially safety. We run monthly toolboxes at our HQ in Yeppoon to bring all employees up to speed with what is going on across all work fronts & to discuss safety concerns, incidents & safety shares. We regularly facilitate workshops from various interested parties to ensure our workforce is kept on the forefront of the industry, some of these include Mates in Construction, the Electrical Safety Office, and Workplace Health & Safety. We also have certain incentives systems in place for employees that show consistent and effective safe practices.

SAFETY, QUALITY AND ENVIRONMENTAL MANAGEMENT & ACCREDITATION

We are dedicated to providing our employees and clients with industry leading standards in safety, quality, and environmental management. Attributed by our QSERC accredited Safety (ASNZS4801 & ISO45001), Quality (ISO9001) & Environmental (ISO14001) Management Systems. We implement and maintain these standards in our day-to-day business by using various communication tools that project NRG's transparent approach in sharing and upholding expectations and requirements.



OUR KEY CLIENTS

CONSTRUCTION



LABOUR HIRE & MAINTENANCE



ENGINEERING



SERVICES



MINING

LABOUR HIRE

- Electrical Engineers
- Project Managers
- Supervisors
- Tradespeople
- Instrumentation Electricians
- Commissioning Electricians
- High Voltage Electricians
- Hazardous Area Electricians
- Trades Assistants
- Operators
- HSE advisers

MAINTENANCE & REPAIRS

- Modifications, upgrades, overhauls, rebuilds and repairs
- Maintenance and repairs of HV and LV infrastructure
- Development and implementation of preventative maintenance programs
- Condition monitoring and assessment
- Asset performance and efficiency improvements

DESIGN, INSTALLATION & COMMISSIONING

- Wiring Installations and Cable Pulling
- Lighting
- Switchboards
- Overhead and underground reticulation and distribution
- Instrumentation and process control
- Air conditioning and HVAC
- Communications

STATUTORY TESTING AND AUDITS

- Mobile onsite service
- Electrical asset register
- Digital test and tag reports
- RCD testing
- Soil resistivity testing
- High Voltage Audits
- Switchboard clean & inspections
- Infrared and thermal imaging
- Power consumption recording and reporting

PROJECT MANAGEMENT, PLANNING & SUPERVISION

- Scoping
- Planning
- Procurement
- Logistics
- Quality Assurance
- HSE
- Project execution
- Progress reports
- Commissioning

SHUTDOWNS, DOWN DAYS & BREAKDOWNS

- Mobile breakdown crew
- Supervision and shutdown management team
- Dragline, Shovel & CHPP specialists
- Heavy industrial plant and equipment
- Experienced crews with extensive training and qualifications
- Proven ability to upscale on short notice





Eureka Creek Village – Security Lighting and CCTV Upgrade

PROJECT VALUE
\$3.5 million

CLIENT
BHP

NRG Industrial were engaged to upgrade the lighting and security infrastructure at Eureka Creek Village to comply with current Australian Standards. NRG provided design, supply, installation, and commissioning of over 100 lights & cameras across the 1200 man camp including the provision and management of all civil works in a fully operational facility.



Yarrabee Mine Site – Yancoal

SERVICE PROVIDED
Maintenance Services

SERVICES VALUE
1 million per annum

CLIENT
BHP

Electrical maintenance, shift coverage, breakdowns and shutdown services are some of the services provided by NRG through our commercial agreement with Yarrabee Mine. NRG have been working with Yarrabee since the company's inception providing EEM's, planners, supervision, labour, plant and equipment and also delivering multiple projects over this time.



BMA Blackwater Site Wide Projects

PROJECT VALUE
\$1.5 million

CLIENT
BHP/BMA Blackwater

NRG's BMA Blackwater projects team have delivered high quality rectification and upgrade works to multiple components of the Blackwater Coal Mine's infrastructure. Works include upgrades to the sites water and wastewater treatment services and the power distribution infrastructure across the site. NRG also provide maintenance and breakdown coverage for their client.



Jellinbah Mine

SERVICE PROVIDED
Maintenance Services

SERVICES VALUE
\$1.5 million per annum

CLIENT
Jellinbah Mining

NRG & Jellinbah Mine have a long standing successful working relationship. NRG currently undertake the electrical services contract with Jellinbah Mining which consists of providing labour & equipment resources for the mine sites electrical maintenance services.



Foxleigh Coal Mine

SERVICE PROVIDED
Labour Hire

SERVICES VALUE
\$500K per annum

CLIENT
Foxleigh Coal Mine

Foxleigh engage NRG to provide a Mine Electrical Engineering Manager (MEEM) for the mine site as well as other engineering resources. The MEEM oversees all electrical works onsite including being instrumental in contributing to improving and maintaining electrical safety and quality standards, process efficiency and compliance.



Glencore – Rolleston & Hail Creek

SERVICE PROVIDED
Labour Hire

SERVICES VALUE
\$1 million per annum

CLIENT
Glencore

NRG have consistently provided supervision and labour to Rolleston Open Cut Mine to assist with Dragline, Shovel and CHPP maintenance and shutdowns.



INDUSTRIAL

NRG Industrial's project division is responsible for providing our clients with industry leading project delivery. Incorporating modern management systems & turnkey design solutions, our team prides itself on going above and beyond to meet our clients needs. Our growing reputation in the construction industry is due to our forward-thinking attitude and transparent approach and management of client relationships. We boast a proven track record of delivering safe, high-quality projects on time and on budget.

An extensive list of projects delivered in multiple industries has contributed to our project teams diverse capabilities. As all industries represent different requirements and individual challenges, we continually improve and adapt to the task at hand, perceptible by having successfully completed projects for the following sectors:

- Mining
- Defence
- Local Council & State Government
- Disaster Relief
- Infrastructure and Roads



Shoalwater Bay Training Area Remediation Project

PROJECT TYPE
Defence

PROJECT VALUE
\$5 million

CLIENT
Downer FKG JV

The SWBTA upgrade was designed to sustain the area for continuing military use and preserve its environmental significance. NRG Industrial worked with Downer FKG to deliver the electrical works package consisting of all civil works, conduit & cabling, design and supply of distribution boards, controlled lighting system and commissioning.



ASMTI Modular Office Facilities

PROJECT TYPE
Defence

PROJECT VALUE
\$1 million

CLIENT
Laing O'Rourke

The Australian Singapore Military Training Initiative project required work, crib, office and amenity facilities for the construction and operational period of this project. NRG Industrial carried out the design and installation of all electrical and communications services for facilities at Precinct A, Precinct B & Precinct C located throughout the Shoalwater area.



Yeppoon Sewage Treatment Plant

PROJECT TYPE
Water

PROJECT VALUE
\$1 million

CLIENT
Downer

NRG were engaged by Downer Utilities as a local sub-contractor to upgrade the electrical, instrumentation and control supply as part of a wider plant upgrade of Livingstone Shire Council's sewage treatment plant. The project was completed in accordance with local government regulations and tight timeframe.



Intersection Lighting and Traffic Signals

PROJECT VALUE
\$350K

CLIENT
Department of Transport and Main Roads

NRG completed the installation and commissioning of street lighting and traffic signals for TMR. The project was located at the upgraded intersection of Boundary Road and Yaamba Road in Parkhurst, as part of a wider shopping centre development works, and was successfully completed in accordance with detailed TMR specifications.



Yeronga Village Flood Relief Make Safe & Betterment Works

PROJECT TYPE
Disaster Relief

PROJECT VALUE
\$500K

CLIENT
Johns Lyng Group & The Yeronga Village

The Yeronga village was severely affected by the 2022 Brisbane flood events. NRG mobilised a crew promptly to site to assist in the make safe works as a substantial amount of electrical infrastructure had been completely inundated by water. The NRG team worked efficiently to repair or replace damaged equipment to restore power as soon as possible.



Rookwood Weir Project

PROJECT TYPE
Water

PROJECT VALUE
\$1 - \$1.5 million

CLIENT
Rookwood Weir Project

NRG Industrial are performing the electrical works package for the Rookwood Weir Project. The electrical package consists of all electrical and instrumentation works for the power and control systems for the weir's operation.

SOLAR

As the world changes, as do we. NRG is a Clean Energy Council (CEC) accredited solar installer that provides grid connected, battery storage and stand-alone solutions of all sizes for residential, commercial, industrial, and mining clients. We use state of the art design programs that allow us to produce intricate information about their proposed system in an easy to understand format to cater for all types of customers. Our customers can expect to receive in depth financial & environmental analysis documentation to support our solution.

NRG provides

- Design
- RPEQ certification for all systems greater than 30kW
- Installation and commissioning of all solar applications.
- System Maintenance
- Monitoring and Remote Control
- Functional testing and condition reporting
- Compliance inspection and auditing
- Infrared thermal imaging
- Drone inspection imaging

We also offer turnkey solutions that include

- Solar trailers used for remote requirements such as communication towers.
- Packaged solar lighting systems for roads, pathways, and carparks.
- Remote standalone systems for agriculture applications
- Remote automatic transfer systems that control solar and generator inputs to ensure 24/7 operation while limiting diesel use.
- Solar and battery powered shipping containers for remote areas or facilities.
- All system equipment details including product data sheets for panels, inverters, batteries, racking equipment and more.
- Estimated daily, monthly & yearly production value's
- Return on investment figures including estimated values after installation
- 20 year financial summary detailing the net present value of investment, payback period, and total ROI.





CQ Pallets Solar System

CLIENT
CQ Pallets

LOCATION
North Rockhampton

SYSTEM SIZE
32.4kW

This system was comprised of 2 x 15kW SMA Sunny Tripower inverters with 72 x 450W panels. Our solar team setup a Home Manager 2.0 system connecting the customers PC, laptop, or smart phone to the inverter via Wi-Fi or Ethernet. This allows monitoring of the inverter's performance. It is also producing the data required to determine the most suitable battery storage system, should they wish to install one in the future. Our customer's electricity bill was reduced by two thirds and the system is trending to be paid off in 2 years.



Peak Downs Highway Solar Street Lighting

CLIENT
CMC

LOCATION
Peak Downs Highway

The development of the Peak Downs Highway required an innovative solution for street lighting in such a remote area. NRG was engaged to install multiple solar lighting arrangements with inbuilt battery backup systems to ensure the safety of the community using the new section of road.



Paynters Solar System

CLIENT
Paynters

LOCATION
Yeppoon

SYSTEM SIZE
97.2kW

NRG performed the design and construction of this 97.2kW solar system in Yeppoon. Through gaining an understanding of the facilities power consumption and usage details, NRG were able to design a system tailored to our clients' requirements. This system has 1 x 27kW and 2 x 15kW Fronius inverters with 216 x 450W panels. The large scale system was installed ensuring minimal operational impact for our client.





KEY STRENGTHS & POINTS OF DIFFERENCE

THE NRG FAMILY

NRG is a family owned business in name and in operation. We are a close knit community that prides itself on the extra effort put in to create and maintain a positive culture in our workplace.

INTERNAL DEVELOPMENT

We promote from within. It's imperative that all our management team understand each level of the business to ensure we keep our finger on the pulse. We are continually developing and upskilling our staff and employees through internal and external training which allows us to continually improve and adapt to our own business, and our clientele's needs.

FOCUSING ON OUR FUTURE

Since NRG's inception in 2009, we have employed over 20+ apprentices and trainees as well as multiple undergraduate engineers. It is a core message throughout our business, from the director to our tradespeople and everyone in between, that we are to play our part in building a stronger future for our industry.

Due to our diverse range of works, we are able to expose our apprentices to an all rounded experience of the trade ensuring they have every opportunity to be successful.

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.
- Childhood Cancer
- Emu Park Swim Club
- Mates In Construction
- Middlemount Golf Club
- Movember Men's Health
- Multiple Sclerosis
- Rockhampton Saloon Club
- Springsure Tennis Club
- St Brendan's College
- Variety Children's Charity
- Yeppoon AFL
- Yeppoon Golf Club
- Capricorn Coast Football Club
- Speedway
- Golf Day
- Yeppoon Blazers Basketball

NRG are also members of the following industry associations:

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





admin@nrgindustrial.com.au
(07) 4939 2000

www.nrgindustrial.com.au

