



CAPABILITY STATEMENT

OUR MISSION

Being a leading certified and compliant Electrical specialist for energy management and energy efficient solutions. Applications include renewable energy systems for electrical and mechanical as well as consulting services for energy saving designs and installations.

OUR CAPABILITIES

We look proudly back over 40 years experience applied into today's energy industry.

Our team of dedicated experts consists of more than design and installers, whose individual qualifications and expertise compliment each other enabling us to offer our clientele comprehensive solutions in the field of:

Renewable Energy Systems

- System design, hardware supply and installation of solar systems
- Photovoltaic
- Photovoltaic devices and appliances
- Solar heaters
- Energy efficient products
- Co-generation systems and plants

Electrical Energy Services

- Solar Power Grid Connect
- Off grid Stand Alone
- Bore Pumps
- Battery Storage
- Solar Hot water Systems

Energy Consultancy Services

- Compliance audits
- Energy efficiency strategies
- Energy savings measures
- Implementation of energy efficiency strategies



Raffin Electrical Contractors Pty Ltd
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Building Services

- Energy efficiency concepts and designs
- Energy management tools
- Implementation of renewable energy solutions
- Cogeneration system integration
- Utility upgrades and new build designs
- Stand alone power solutions

Mechanical and Electrical Services

- Switchboard upgrades
- Service and Repair of building or residential electrical utility product
- Air conditioning installation and repairs
- Network Cabling and Data installation, TV Antenna, Satellite
- Security & CCTV installation, with local and remote monitoring

OUR VISION

The leading renewable energy design installation company in Queensland and the Northern Territory. Transforming the market and clients with education of energy management.



OUR TEAM

The recipe of our success lies in the dedication of our highly qualified and motivated staff.

With expert electricians and designers from a wide range of related professions we have assembled a team that can provide solutions for energy projects no matter how complex or challenging.

Regular training, advanced education programs and participation in relevant training ensure that our staff keep up with the rapid technology developments in the industry enabling us to always offer innovative cost effective solutions to our customers.

Our team includes engineers and technicians from the following professions:

- Building services
- Electrical and mechanical
- Supply process plant technology
- HVAC and refrigeration engineers
- Service technicians for electrical, HVAC and mechanical plant technology
- Finance, administration and commercial management
- Project Management and Maintenance management

In addition to the above qualifications some of our key staff hold accreditations such as:

- Accredited designers and installers for photovoltaic systems
- Occupational Health and Safety coordinator and Quality Manager
- Public Contracting experts

Our team is our asset – we can handle any energy project, no matter how complex or no matter where.



SOLAR SYSTEMS

Photovoltaic systems have been designed and installed by our team in many applications and configurations around the Country.

In the past, photovoltaic installations as renewable energy sources were often a secondary choice due to their relatively high cost on return ratio. The pendulum has now swung, following advances in photovoltaic technology. The rapid increase in efficiency of new type PV panels and inverters together with reduced production costs has led to a high demand for these systems.

Solar Systems constitute a core capability of our team with services ranging from:

- Early concept studies
- Life cycle cost & return on investment calculations/estimations
- System designs
- Off Grid & Grid Connect
- Battery Systems
- Solar to 3 Phase power conversions
- Solar Hot Water systems
- Remote Self powered Bore Pump Installations
- Blended Power
- Stand Alone Systems
- Fuel Generator Redundancy systems
- Hardware supply
- Installation
- Commissioning
- Through life support
- Operator training



ELECTRICAL AND MECHANICAL.

The Electrical industry has changed rapidly over the past 10 years having more technology implemented than many other industries,

We decided that our important Key Success Factors for the Electrical Services are,

- Our Ability to expand and curtail operations rapidly with market demand
- Changing the market, we operate in
- Having a good reputation

Our Key is to focus into the residential and commercial areas of the Electrical Services industry to highly impact industry performance.

Pressure from the Renewable Energy (Solar) industry which AEMO suggested by 2035–36, 3.8 GW of rooftop PV capacity is expected to have integrated battery storage, providing 6.6 GWh of energy storage potential, has led to any existing product needing to support this new power source.

Our electrical Capabilities to support this technology change in energy:

- Switch board Upgrades
- Commercial Electrical and Power systems
- Residential Electrical and Power systems
- Air Conditioning and mechanical services
- Data & Communication, Electronic data management
- Security & CCTV for commercial and residential, Monitoring, and Online Realtime monitoring
- TV Antenna, Satellite, Repairs



BUILDING SERVICES

Our services for the building industry and industrial process plants covering electrical, air conditioning, alarm detection and monitoring systems inclusive of building services management.

Whether state of the art energy systems for new builds or best value for money outcomes for upgrades and alterations, we can provide complete solutions from concept designs through to installations and commissioning.

- Electrical installations
- Building Services Management
- HVAC and refrigeration systems
- Alarm systems – Fire & Security detection and monitoring

We develop energy programs with a specific focus into energy cost savings and affordable implementation of suitable energy management.

Raffin Electrical services provides efficient and complete electrical and energy works.

Our expertise in the maintenance and project management of mechanical services is the winning ingredient. Experience together with discipline provide a truly specialist service to customers looking to access, mechanical longevity whilst complying with the standards.

Our dedicated team of technicians brings cost effective service solutions to manage your assets management testing to client project specifications and Australian Standard for compliance.

Our capabilities can carry out projects of small, medium and large size equipment and plant for a variety of Industries using in-house specialist including designers installers and certified trades people.

Some of the notable services offered by Raffin Electrical Services as an independent agency are:

- Equipment and Plant analysis to recommendations for reliability
- Equipment and Plant maintenance audit



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- Equipment and Plant safety audit
- Equipment and Plant assessment for Australian Standard and safety compliance
- Equipment and Plant condition evaluation and reporting
- Equipment and Plant refurbishment, installation and commissioning – design and project management
- Routine scheduled maintenance to all client equipment and plant



PROJECTS OF INTEREST:

Established in 1979 Raffin Electrical Contractors trading as Raffin Electrical Services, has the proven track record to create and facilitate unique, innovative and reliable energy solutions across a range of sectors.

Raffin Electrical Services can provide 'design and installation' solution as well as 'concept to commission' solutions through its alliance and/or partnerships with high quality proven national and international suppliers.

Our Design and installations, as well as through life equipment and client support on all our projects, provides a depth of experience that ensures innovative, cost saving and effective solutions to all our clients'

Project scope: \$1,000 — \$1,000,000

MARKET SECTORS, Cattle Stations, Farmers, Power generation, mining, local council, industrial and infrastructure projects, medical materials handling, Commercial Business to Business and Business to Customer warehouse their operating plants and offices, transport and engineering fabrication sectors.

TARGET MARKET Project location is Queensland and the Northern Territory to all applicable relevant Australian and International Standards where applicable.

- Alexandria Station design & Install 30 power pole transmission line and aerial reticulation for main station area, Northern Territory
- Marion Downs QLD, Design Supply and install of bore Pumping systems, 22Kw.
- May Downs, retrofitted Solar electrical system to operate 3Phase bore pumps 17Kw
- Lava Valley Produce 50kw Micro Inverter,
- Queensland Botanical Dubosia Firing Plant,
- St Johns Lutheran School roof mount Solar,
- Lena Buck Womens Shelter Retrofit/renovation,
- Seadan power pole transmission and line aerial reticulation for main station area, Northern Territory
- Isa Glass and Aluminium Design & Install of Power supply, lighting and machinery
- Burke Town Council Workshops Design & Install of Power supply, lighting and supply to industrial equipment
- Wulliberi and Wulliberi hostel, aerial reticulation, power and light for residential development
- Mount Oxide living quarter complex, excavation, septic, workshop, Power & Light and Generator



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BUSINESS FEATURES:

Turn-key approach to delivering technology solutions

Skilled and trained on-site staff – not your average electrician, more aptly referred to as technicians

Able to provide advice to clients on electrical design and implementation.

For enquiries and detailed reference requests please contact:

Your electrical specialists for clean energy solutions

Contact Details:

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Locations:

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Raffin QLD 4606

Townsville QLD 4810

Servicing:

Queensland

Northern Territory