

PROTECH

ESTABLISHED 1996



Brisbane
890 Boundary Road, Richlands, 4077
p. 07 3022 3301

Townsville
138 - 142 Webb Drive, Bohle, 4818
p. 07 4789 8000



WHO WE ARE

Protech Power was established in 1996. We are an Australian owned and operated company that provides electrical engineering, HV / LV installation, maintenance, testing and commissioning to the mining, power generation, and agri-industrial utilities and manufacturing sectors in Australia and the Asia-Pacific.

We specialise in delivering full-scope solutions for power and energy systems; including high voltage engineering, design services, and project management services. Our team of specialist engineers, HV technicians, and commercial renewable specialists offer a broad range of experience and a knowledge base that covers the full range of electrical infrastructure services.

Protech Power is based in Brisbane and Townsville. Both of our workshops are fully equipped with state-of-the-art tools necessary to undertake maintenance, refurbishment or retrofits on any electrical installation. Our service vehicle department provides quick response, 24/7 and we offer our services Australia-wide.





OUR SERVICES ARE FULL-SCOPE

Protech Power is a full scope service provider. Our team provides solutions from preliminary design, right through to compliant, reliable turnkey installations.

Our team provides the following:

- Plant Design
- Plant Manufacture
- Plant Installation
- Civil Works
- Equipment supply options
- Electrical Design and Installation for HV and LV
- Custom Maintenance Plans and Auditing
- Renewable energy solutions for commercial businesses

OUR APPROACH

Since our beginning, we've fostered long-term client relationships. We understand that trust is a large part of our industry. We aim to build and honour that trust with every job we do. When it comes to a problem, we remember the client, the site, and their unique service history. We tailor a quote with these details in mind. We know that a generic, one-size-fits-all approach doesn't serve our clients' needs.



PROTECH POWER PROVIDES FULL SERVICE, CUSTOMISED SOLUTIONS.

WE WORK ACROSS THE BROAD SCOPE OF AUSTRALIAN INDUSTRIES -

- OIL AND GAS
- INFRASTRUCTURE
- MINING
- COMMERCIAL AND INDUSTRIAL POWER GENERATION
- FOOD AND BEVERAGE
- RAIL AND TELECOMMUNICATIONS
- COMMERCIAL AND INDUSTRIAL BUSINESSES
- UNIVERSITIES AND HOSPITALS

ENGINEERING AND DESIGN

We specialise in delivering full-scope solutions for high voltage engineering, including design and project management services from project inception to completion, throughout all voltage ranges.

Our years of combined experience and expertise in the HV industry means we offer a personal approach in electrical engineering services. Our reputation is linked to our clients' success, which makes us invested in sustainable, safe, cost-effective solutions. Protech Energy Group provides comprehensive engineering services across all industries. Our specialist Engineers have extensive experience in the High Voltage industry and are equipped with the best software on offer.

ENGINEERING SERVICES

- Power System Protection Design and Coordination Studies
- Engineering Procurement Construction and Management
- Power and Renewable Energy Systems
- SCADA and Control Systems Automation
- Lightning Protection and Insulation Coordination
- Arc Flash Studies
- Earthing Systems, Earth Grid Design and Assessment
- Specialist Engineering Services, Fault Investigation, Root-Cause Analysis
- Design and Drafting Services
- Advanced Testing and Commissioning
- HV Audits, Engineering Compliance, Owners Engineer Services & RPEQ Certification.
- Accredited Service Provider

Protech's engineering staff are considered industry experts are regularly sought after by clients to solve complex electrical engineering issues.



HV/LV MAINTENANCE

We are a full scope electrical service provider. We offer a comprehensive range of services, including project management, construction, installation, commissioning, auditing, shutdown management, scheduled maintenance plans, and routine maintenance, including testing. We quote to our client's problem, and we thrive when we're solving those problems.

Our technicians and operations managers all specialise in all levels of commercial energy and power generation systems.

They are trained and industry educated across all aspects of power generation, transmission, protection and engineering; with regular accreditation and training facilitated by Protech Power

HV/LV SERVICES

GENERAL

- HV Switching
- 24/7 call-outs and breakdown
- SF6 gas equipment contained leak repairs, handling, and analysis
- Earth grid installation & testing
- Partial Discharge testing
- HV Equipment Moving parts cleaning & lubrication
- HV PPE equipment testing
- Switchboard design, installation, and testing

HV & LV MAINTENANCE & SERVICING

- High & low voltage substation installation/maintenance/service
- High & low voltage Switchboard installation/maintenance/service
- High & low voltage Circuit breaker installation/maintenance/service
- High & low voltage equipment protection devices primary or secondary testing
- HV voltage equipment (Surge arrestors, CVTs, VTs, ABS's, insulators) installation/maintenance/service
- HV motors installation/maintenance/service

TRANSFORMERS AND GENERATORS

- Installation
- Routine inspections & Maintenance
- Overhaul and refurbishment
- Oil filtration online/off-line
- Condition monitoring and oil sampling
- Oven drying of transformer cores
- Internal inspection and fault repairs
- Tap changer maintenance
- Retro filling with environmentally friendly oil
- Programmed maintenance
- Gasket replacement

HV & LV CABLES

- HV & LV Cable fault location & spiking
- HV & LV Cable joining, splicing & terminating to equipment
- HV & LV Cable testing



RECRUITING AND RETAINING HIGH CALIBRE PERSONNEL IS A COMMITMENT THAT PROTECH POWER IMPLEMENTS TO FULFIL OUR LONG TERM GOALS.

Our employees are recruited for their specialised skill sets and ability to learn new skills quickly. Protech has a diverse, multicultural workforce who provide invaluable insights and knowledge to Protech's daily operations.

All Protech technicians are fully qualified and accredited in their respective areas of technical expertise (e.g. relay testing, power protection, cable pulling, HV switching, working at heights, solar system optimisation etc.). Protech engineers are fully-qualified and RPEQ accredited, with the ability to provide full-scope, diverse solutions. We are committed to employing apprentices to our apprentice program regularly.

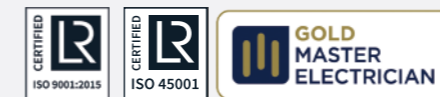
Our team can problem-solve on the job, work under pressure and deliver safe, reliable results. We hold our work to the highest standard, as a reflection of our company values.



OUR CERTIFICATIONS

Protech Power is certified by LRQA to ISO9001 - ISO45001 and has been continually re-certified since 2007.

Our certification currently includes procurement, installation, commissioning, testing, auditing, asset management, maintaining and repair of HV and LV electrical equipment, including OHL's, power generation, transmission and distribution transformers and switchgear project management, design of electrical power networks, load flow and protections device coordination studies, oil testing and analysis, oil filtering and reconditioning.



SAFETY IS ALWAYS OUR PRIORITY

Safety is and always has been our core focus.

All projects are delivered to meet the highest standards while meeting ours and our client's safety regulations at every step. Our safety management systems have been developed and refined since our beginning to ensure the safe delivery of your project including the safety of your staff and ours.

We have adapted to the Covid-19 measures and we celebrate 500 days incident-free in 2020.

EQUIPMENT

Protech Powers's test equipment is calibrated and tested by a NATA Accredited Laboratory. Utilising equipment from Doble, Omicron, and Megger ensures we deliver the highest quality testing to our clients.





What does your energy plan look like?

Get in touch with your Protech power contact or call one of our offices today to arrange a quote.

1800 177 683 | 24 HOURS

PROTECH-POWER.COM

Being proactive with your maintenance can mean you avoid delays, safety hazards and costly unplanned outages in the long-term.

Book it in before it becomes a problem.

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