



PROFESSIONALISM

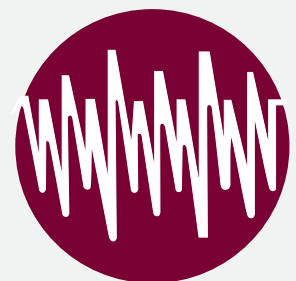
VALUE

RESPONSIBILITY

ACCOUNTABILITY

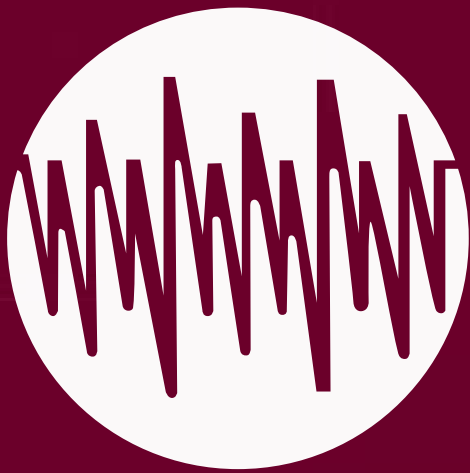
# COMPANY PROFILE

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# PME

— since 1968 —  
*On time, within budget.*



# COMPANY FUNDAMENTALS:

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Port Moresby Electrical Co. Ltd was incorporated in Papua New Guinea in August 1968.

Electrical Contractors, PNG Power Ltd Licensed.  
Member of the PNG Employers Federation.

Registered by the Investment Promotion Authority as Foreign Enterprise Certificate No. 000892, Company No. C1-1945, I.P.A. Certificate 5969866 supplied 01/09/98.

Registered with the Internal Revenue Commission  
GST Registration No. VT 167  
Group Tax Registration No. 1771  
Company Tax Registration No. TC 1574  
Withholding Tax Registration No. PA 0095

# VISION

Our vision is to fully understand our clients' needs and exceed their expectations throughout the project life cycle.

Deliver to our clients increased profitability through design and innovation along with increased opportunity to our staff through technical advancement. Our values reflect who we are and what we do. They set the foundations for success and help us deliver our vision to our clients.

# INTEGRITY

- Conduct open and transparent relationships with our clients.
- To maintain a steadfast adherence to our code of ethics and corporate governance in all our dealings.
- Uphold our client and staff rights to a just and fair workplace, free from discrimination, bullying and malpractice.

# COMMITMENT

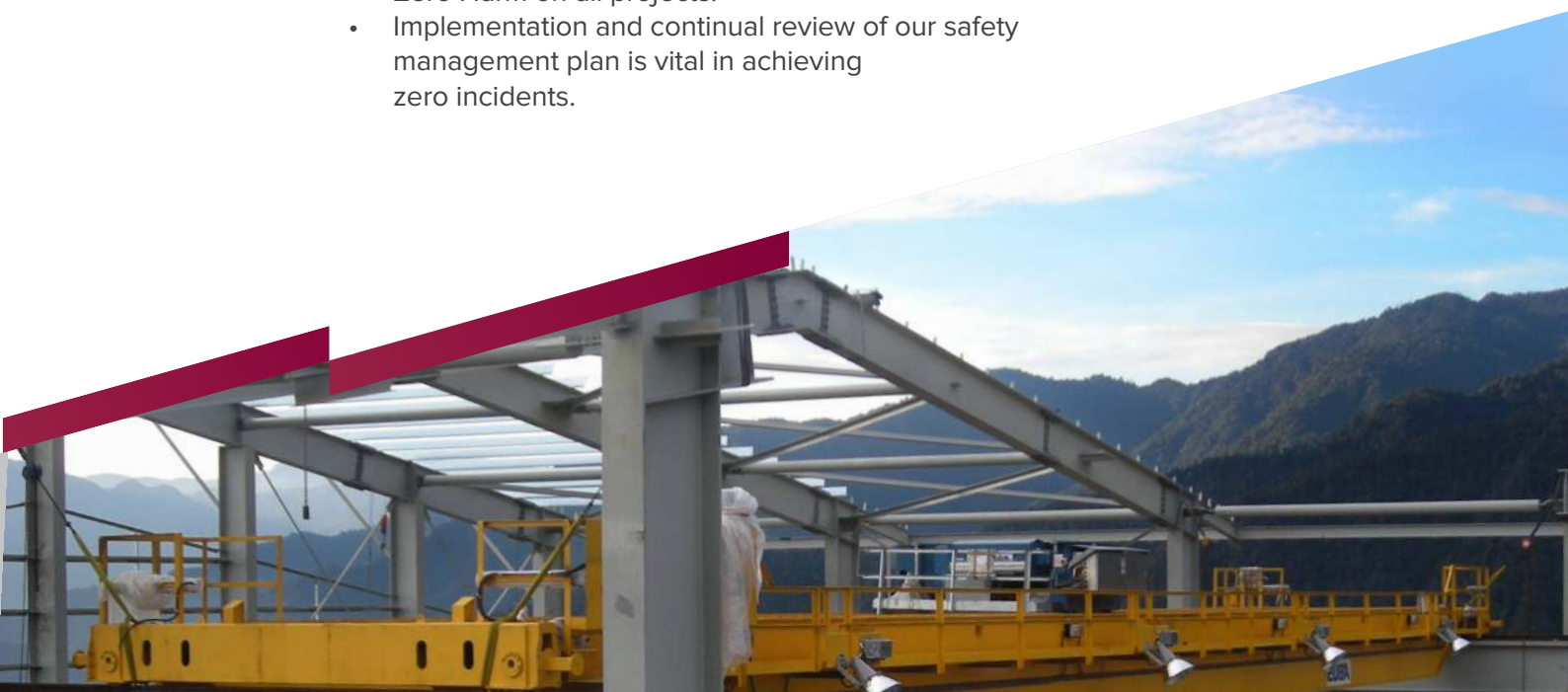
- Unwavering dedication to our clients and their values.
- Adapt and overcome all obstacles in the path of success.
- Empowerment of our people through reward and recognition of achievement.

# TEAMWORK

- Build a unified workforce through commitment and integrity.
- Foster good working relations and cultural awareness between foreign and domestic workers.
- Teamwork is the father of innovation and without innovation we cannot deliver on our vision.

# SAFETY

- Our commitment to safety is paramount and is understood as a critical factor in determining the success of a project.
- All accidents are preventable and we will always strive to reach Zero Harm on all projects.
- Implementation and continual review of our safety management plan is vital in achieving zero incidents.



# POM ELECTRICAL ORGANISATION CHART



## WHY USE PME

PME has been active in Papua New Guinea since 1968 and has consistently delivered projects using our values and vision to achieve success for our clients. Papua New Guinea is our home and we concentrate our business in country and aim to offer a diverse range of services delivered by experienced personnel who have proven experience and understand the logistical complexities of achieving project success in PNG.

Our onsite staff are supported by a resident management team with over 60 years of experience working in and around Papua New Guinea who are available to assist onsite at all times. Our philosophy has always been to train the next generation of industry leaders, we achieve this result by following a training plan that allows domestic workers access to their foreign counterparts allowing knowledge and experience transition.

In doing this we believe we are a socially responsible company committed to helping Papua New Guineans achieve their aims and goals.



# SERVICES

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PME offers a complete range of electrical project management services: Engineering, Procurement, Construction, Commissioning, Operations and Maintenance.

## ENGINEERING

PME believes that engineering is the first step on the road to successful completion of a project and its quality can greatly affect the final outcome regardless of project size. Our services cover all facets of the project life cycle from feasibility through to construction and plant upgrades.

Our services include:

- High Voltage
- Instrumentation and Control
- Automation and Motor Control
- Electrical
- Hazardous Area

## HIGH VOLTAGE SERVICES

MV Design, installation, testing and PPL certification up to and including 33kv on transmission and distribution are all services offered by PME . Transformer supply, installation, testing and PPL certification services are also offered to our clients.

## INSTRUMENTATION AND CONTROL

We offer our clients instrumentation design, supply, installation, calibration and software integration services allowing their infrastructure to achieve maximum process results. We offer services across a range of applications including Flow, Pressure, Temperature, Vibration, Level, Density, Viscosity and Wireless and Hart control.

## ELECTRICAL

PME 's Electrical Construction Division has been established in country for over 40 years and has participated on all major marque projects in Port Moresby. PME has also undertaken remote electrical construction projects throughout PNG with highly successful outcomes.

## AUTOMATION AND MOTOR CONTROL

PLC, HMI, S CADA and DCS control, let our team design and implement the correct solution for your business.



High Voltage Services

Instrumentation and Control

# SERVICES

## HAZARDOUS AREA

We offer installation and auditing services of all hazardous area equipment across a wide range of industries including Oil, Gas and Petrochemical. We also supply Anzex certified equipment.

## PROCUREMENT

Our logistic team manages the transportation of materials and equipment from fabrication facilities to project sites, meeting the needs of the clients and project schedules. Our hub in Australia maintains and updates our supplier register allowing us to build close personal relationships with suppliers, enabling us to deliver imported materials to PNG quickly and efficiently while maintaining quality assurance and traceability back to the manufacturer.

## CONSTRUCTION

At PME we believe in accountability during the project life cycle and understand our clients' needs and project schedules. We take on all facets of our projects including construction to ensure that when clients engage us they feel certain of a successful turnkey outcome. Our teams focus on the overall picture, establishing priorities and milestones as well as coordinating activities and participants to ensure that projects are delivered safely, on time and within budget.

## COMMISSIONING

Planning of the commissioning schedule is established during the engineering phase where critical paths and shutdown philosophy is analysed and agreed upon. This information is then used to prepare a commissioning execution and safety plan, along with start up procedures incorporating Zero Incident start up techniques. Pre-commissioning is conducted in a seamless succession following the construction phase of the project before final commissioning and performance testing.

## OPERATIONS AND MAINTENANCE

PME currently maintains field personnel throughout PNG on a number of project sites and actively supports them through our Head Office in Port Moresby. Our highly experienced staff are able to access our engineering and logistical departments to identify and procure long lead time and crucial spare parts to ensure minimum downtime for our clients.



Operations and Maintenance

Hazardous Areas



# RECENT PROJECTS

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## OK TEDI MINE WASTE AND TAILINGS PROJECT

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### PROJECT OVERVIEW

PME provided installation and pre-commissioning services for a Pyrite Tailings Extraction Facility comprising 2 x Flotation Unit Modules each capable of treating 2,000 to 2,500 mtpd of Mill feed, retrofit of 2x50m diameter Thickeners, interconnecting and tie-in facilities, a PAX Plant, a 250mm diameter 140km pipeline complete with a S lurry Pump S tation, 2 x Valve and Scraper S tations.

The contract works included a substantial upgrade of Ok Tedi's existing electrical infrastructure and the fully automated and integrated process control system. E&I Commissioning services were provided to take the facility to early operation status.

### SERVICES PROVIDED

- Engineering and design
- Schedule procurement of materials
- Installation of all electrical, data, telecommunications
- Installation of instrumentation
- Installation and commissioning of large variable speed drives
- Installation of High Voltage Transformers switch yards, switchboards and motor drives
- Rebuild of existing electrical services for production plant
- Logistics support for projects



## RECENT PROJECTS



# PNG LNG CAMPS

## PROJECT OVERVIEW

PME provided material supply and installation for a number of camps associated with the PNG LNG Project. These were located in remote areas and thus the supply of materials of the correct quality and quantity was of the utmost importance. Included in the installation was connection of generating equipment with main control and switchboard, installation of all sub mains and distribution boards and connection to portable accommodation units. Satellite TV cabling, data and communication cabling and connection of satellite dishes were also carried out. Final PNG Power certification was arranged by PME .

## SERVICES PROVIDED

- Compliance auditing of all imported electrical materials both supplied and installed.
- Installation and commissioning of HV water bores operated by VSD's and controlled using downhole instruments.
- Installation and commissioning of 2MW Power station including compliance inspecting to Australian Standards.
- Installation and commissioning of 1million litre Diesel fuel load out facility including, Bridger Load and discharge facilities incorporating level control, light and heavy vehicle fuel loading bowsers and PME engineered lightning protection as compliant with Australian Standards.
- Engineering and design
- Schedule procurement of materials
- Installation of electrical, data, telecommunications and television services
- Logistics support for projects





# GRAND PAPUA HOTEL

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## PROJECT OVERVIEW

PME carried out installation of all electrical, data, communication, security, CCTV, access and television services to this 21-storey hotel/apartment complex. This included supply and installation of 2 x 800KVA standby generators with automatic start, paralleling, load sharing and changeover facilities, as well as interface between the building management system and various items of electrical equipment.

This is a prestige project requiring a very high standard of finish, which we were able to accomplish by the use of a skilled workforce and constant onsite project management.

## SERVICES PROVIDED

- Installation of all electrical, data, telecommunications and television services
- Installation of access control, security and CCTV surveillance systems
- Supply and installation of stand-by generators complete with automatic paralleling panel.



# CONTACT LIST

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