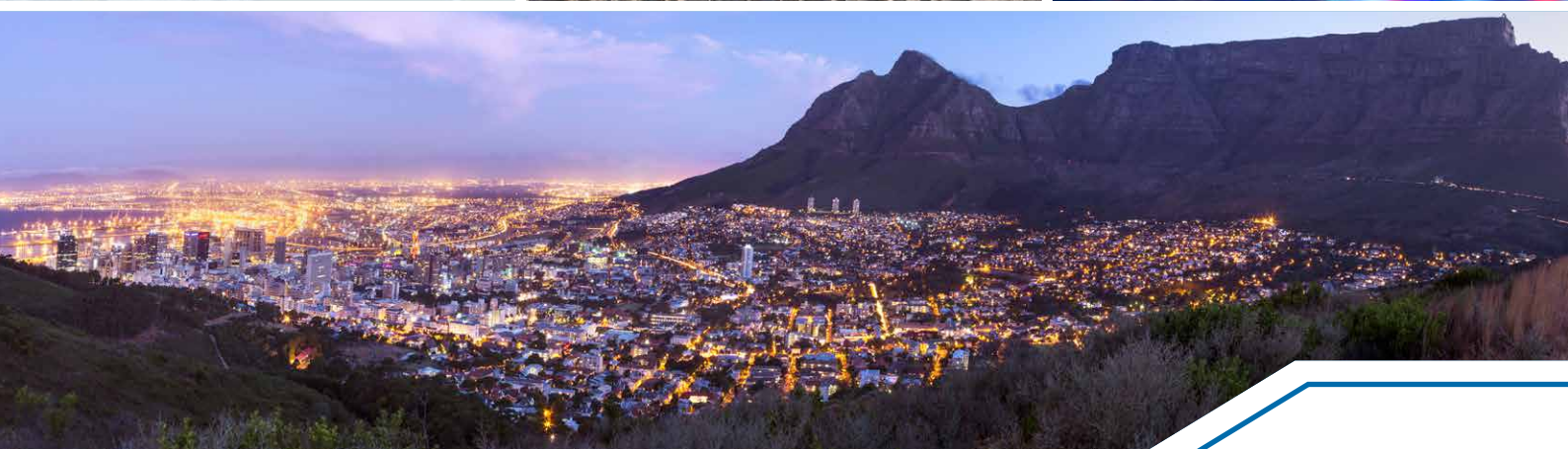


# CORPORATE PROFILE

RPS SWITCHGEAR



RPS Switchgear – the world’s premier manufacturer and supplier of medium voltage electrical switchgear and electrical distribution solutions.



Over 45 years of ongoing product development experience.



RPS Switchgear equipment has an in service life of over 20 years. The ease of maintenance of this equipment is highly valued by operators around the world.



Simple modular robust construction.



Proven current sensing and vacuum interrupter technology provides peace of mind for operator safety.

RPS Switchgear equipment is supplied to Australasia, Africa, Asia, the Middle East, the United Kingdom and Europe through local offices and agents.

## COMPLIANCE

RPS Switchgear comply with these international standards

ISO Certificate

UVDB Certificate Registration



Compliance with relevant British, Australian, IEC and Chinese Standards



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## ABOUT RPS SWITCHGEAR

Helping protect Singapore from flooding, ensuring Hong Kong International Airport can handle its 360,000 flight movements a year and keeping a large portion of the Sydney CBD alight, is no mean feat. It’s everyday stuff for RPS Switchgear. The company makes customised medium-voltage switchgear – essentially giant power switches in sub-stations – which distribute power to suburbs and big industrial complexes such as hospitals and mining sites.

The switchgear uses intelligent monitoring equipment to detect faults or surges in the 11,000-volt circuits and automatically opens and closes safety protection devices to prevent damage. The switchgear incorporates vacuum circuit breaker technology (introduced by RPS in the 1980s as a safer alternative to oil-filled breakers), now in common use around the world. Approximately 75% of its business is overseas and it frequently sends its own teams to do the installation work.

In addition to the massive responsibility behind keeping Hong Kong Airport operating and the Sydney CBD alight, one notable project is Singapore’s Marina Barrage. This is one of the world’s biggest pumping substations and the switchgear is used to protect giant pumps that drain threatening storm waters away from downtown Singapore, at the equivalent of an Olympic-size swimming pool each minute.

Managing Director Geoff Hay says people are the key to the business. “We’re a specialist company in a niche part of the electricity industry and the people we’ve got here are not easily replaced. They work really, really hard to meet some quite unusual and sometimes short lead-time demands and we get great support from them.”





## OUR HISTORY

Throughout our pioneering history, RPS Switchgear has supplied its customers with superior power transmission and distribution solutions.

We began as a Reyrolle company nearly 100 years ago. Internationally, Reyrolle has been an iconic name for switchgear for decades.

In 2019 we will have been manufacturing in New Zealand for 50 years.

No other switchgear manufacturing company offers as much experience as RPS Switchgear.

1886

1920

1959

1960

1969

1990

1992

2004

2008

2015

2016

Alphonse Reyrolle established A. Reyrolle and Company in Newcastle, UK. The company was largely responsible for the electrical systems in the UK and Commonwealth countries until the 1960s.

The Reyrolle company began trading in NZ using a local agent.

A. Reyrolle and Co. (NZ) Limited was established in New Zealand and imported medium voltage switchgear from the Reyrolle group in the UK.

Reyrolle (UK) develop LMT oil circuit breakers.

Reyrolle NZ opens its manufacturing facility in Petone, Wellington. We are still here today.

Reyrolle Pacific Switchgear (NZ) develops its first vacuum circuit breakers.

ISO 9001 certified.

Reyrolle Pacific Switchgear was sold out of the Reyrolle group to become a wholly owned private New Zealand company.

We formed a new brand name "RPS Switchgear".

RPS Switchgear developed Assure Range.

ISO 14001 certified.  
Assessed by ENA United Kingdom.

## SERVING YOU AROUND THE WORLD

RPS Switchgear serves its customers globally... in Africa, Asia, Australasia, the Middle East and the United Kingdom.

In New Zealand, the business is centered around the manufacturing facility in Petone, Wellington. Engineering, R and D, manufacturing, assembly, project management, sales and marketing all operate from this facility.

In Australia, we have an office in Sydney providing sales, engineering and service functions.

RPS Switchgear has a sales office in the UK to service Europe and the Middle East and an office in South Africa to service our customers in the African Countries.

In addition, we complement our manufacturing operations with a complete range of customer services including product development, design, installation and maintenance servicing throughout the Asia-Pacific region.

## APPLICATIONS

RPS Switchgear equipment is widely used in applications such as Transformer Incomers, Motor Feeders, Capacitor Switches, Distribution Feeders, Metering (Current & or Voltage Transformer) Panels.





# EXPERIENCE

Whether you are an Electricity Utility, Industrial Manufacturing or processing company, you will demand the same reliability and safety from your switchgear.

We have supplied over 15,000 vacuum circuit breakers and panels to our valued customers throughout the world.

Our client base includes a number of utilities and manufacturing companies. A detailed list is available on request.

## AUSTRALASIA

BHP – Major mining company  
 Rio Tinto – Major mining company  
 OneSteel – Australian Industrial  
 Bluescope Steel – Australian Industrial  
 Adelaide Brighton Cement – Australian Industrial  
 Australian Paper – Australian Industrial  
 Ausgrid – Australian Utility  
 Endeavour Energy – Australian Utility  
 SAPN – Australian Utility  
 Powerco – NZ Utility  
 Orion – NZ Utility  
 Wellington Electricity – NZ Utility

## AFRICA

Anglogold Ashanti GH Ltd – Africa  
 NFC Africa Mining – Africa  
 Escom Ltd – Malawi

Our Switchgear is in service in Power Stations, Distribution Substations, Mobile Substations, Chemical Factories, Mines (Steel, Copper, Diamond, etc), Residential Buildings, Hospitals, Airports, Docks, Sewage Treatment Plants and Drilling Rigs.

## ASIA

China Light & Power – Hong Kong Utility  
 Public Utilities Board – Singapore Utility

## MIDDLE EAST

BAPCO – Bahrain  
 Qatar Petroleum – Qatar  
 SEC – Saudi Arabia

## UNITED KINGDOM

UK Atomic Energy Association – UK Industrial  
 Pfizer Ltd – UK Industrial  
 EDF – UK Utility  
 CE Electric – UK Utility  
 Sellafield – UK Industrial

# OUR PRODUCTS

## LMVP 12kV SWITCHGEAR

Vertically isolated and horizontally withdrawable switchgear.

There are 5 current ratings of circuit breaker available, having ratings of 630/800 Amp, 1250 Amp, 2000 Amp, 2500 Amp and 630 Amp cap switching.

Maximum panel rating of 2500 Amps, busbar rating of 3000 Amps and fault rating of 31.5kA.

For more information please ask for our LMVP 12kV Indoor Switchgear brochure.



## 12kV RETROFIT VACUUM CIRCUIT BREAKERS

RPS Switchgear offers a retrofitting service to upgrade your “LM” type and Westinghouse Email panels with the latest fully interchangeable RPM vacuum circuit breaker. Retrofitting with RPS Switchgear has many advantages over replacing an existing switchboard.

- **COST** – Financial savings favour switchboard life extension versus replacement.
- **AUTOMATION** – Upgrade to provide remote control and monitoring or high speed auto-reclose.
- **HEALTH, SAFETY AND ENVIRONMENTAL** – Elimination of oil or SF6.
- **DISRUPTION** – Minimal disruption of supply.
- **PERFORMANCE** – Improved performance and reliability.
- **RATINGS** – Both current and fault level rating can be increased.

RPS Switchgear provides a quality, cost effective alternative to increase the life of your existing switchgear with very little or no disruption of supply while the work is being carried out.

For more information please ask for our Retrofit Brochure.



## LM SWITCHGEAR SPARE PARTS

RPS Switchgear stocks a comprehensive range of spare parts to support the product range. We still support the older Reyrolle LMT range of breakers and switchgear.

## ASSURE 17kV SWITCHGEAR

RPS Switchgear's Assure range of Horizontal Indoor Switchgear is fully type tested and certified to international IEC Standards. With an impressive internal arc rating of 31.5kA for 1 second A-FLR to IEC 62271, it will more than satisfy the most demanding of network owners' requirements.

The Assure range is suitable for any medium voltage application requiring safe and reliable, low maintenance operation, with long service life.

With its industry leading narrow footprint, the 1250A panel is only 600mm wide and the 2000A is 800mm wide

The T600 and T800 panels are metal-enclosed air insulated switchgear with the following characteristics:

- A Control cubicle in which low voltage relays and instruments are fitted.
- Compartments segregated by metallic partitions.
- Designed and tested to IEC standards.
- Highly effective use of space.
- Comprehensive mechanical and electrical safety interlocks.
- Smart grid compatible.
- Flexible CT and VT specifications.
- Panels are fitted with a 31.5kA fault current rated earth switch.
- Assure Switchgear is manufactured to a very high standard and every panel is inspected and tested to ensure that it meets our high quality standard before being dispatched to our customers.



## SERVICES

### INSTALLATION AND PRE-COMMISSIONING

RPS Switchgear offers a complete installation and commissioning service:

- Preparation of installation and test plans.
- Complete switchgear installation to manufacturer's requirements.
- High voltage pressure tests.
- Millivolt drop (ducter) tests.
- Secondary wiring insulation tests.
- Full mechanical checks.
- Full functional tests on protection and control schemes.
- Complete set of test results of all work carried out during the commissioning process.



### MAINTENANCE

RPS Switchgear has a wealth of experience with many types of switchgear. You can benefit from this experience through our service repair, preventative maintenance and scheduled maintenance programs that will be designed to meet your specific needs.





## RESEARCH AND DEVELOPMENT

We have made significant advancements with our 12kV Vacuum Circuit breaker technology and 17kV Assure switchgear design. Our focus is now on new medium voltage product ranges.

We are committed to an ongoing R&D programme and working with our customers to meet these needs of the industry:

Reliability | Low/No Maintenance | Economical | Compact

### PARTIAL DISCHARGE MONITORING

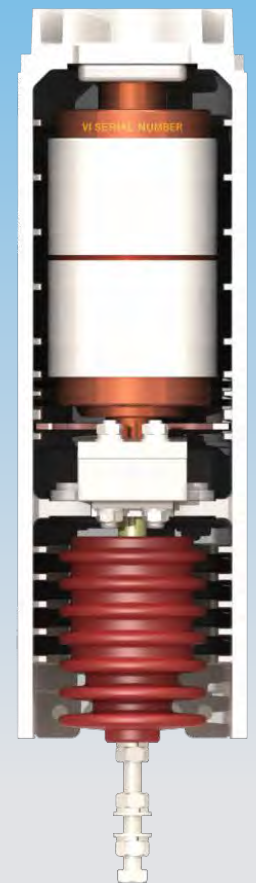
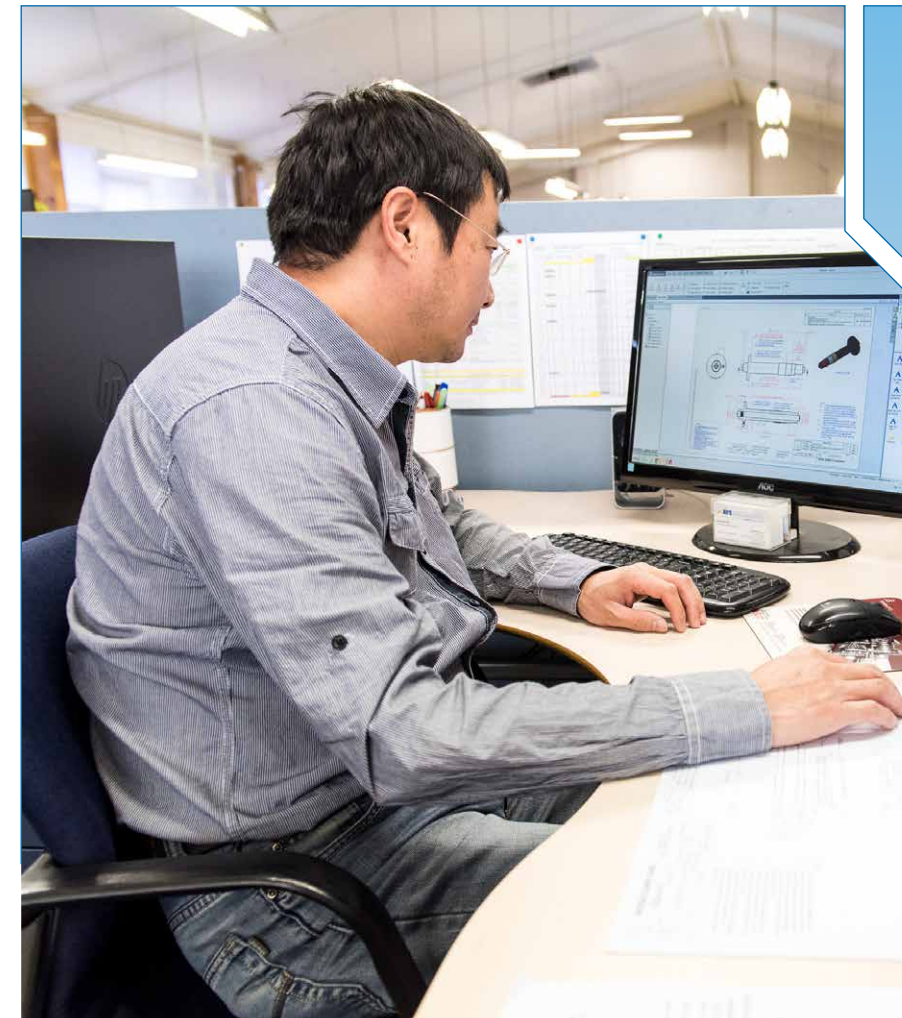
Using the latest PD testing equipment, our trained technicians can offer both online and offline PD testing on any type of switchgear.

### PROTECTION UPGRADES

If system protection is a concern, then contact us for advice on your options.

### SYSTEM UPGRADES

To meet today's requirements in control and monitoring, RPS Switchgear can upgrade your equipment with instruments and PLC control systems from the world's leading suppliers.



# CONTACT US

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