



Protection Relays



Power Quality Analysis



Dry Transformers



Substation Automation



Time Synchronisation



Voltage Regulators



Low Power
Instrument
Transformers



Ring Main Units



Cable Seals



Hardened Ethernet



Transformer Condition Monitoring



Outdoor
Switchgear



Metering Units



Neutral Earthing Resistors

HV Power

A hands-on Supplier!

A critical advantage is obtained by working with a local supplier whose staff have a thorough understanding of the products and their application.

HV Power understands that customers often cannot wait for a New Zealand supplier to rely solely on overseas principals to sort out problems. At HV Power, our staff have practical industry experience, together with the right equipment and bench test tools to allow us to duplicate customer setups, diagnose and resolve problems.

We pride ourselves on fully understanding the applications, product specifications, settings and operation of all our products. Our team at HV Power won't sell a product until we're confident that it does what it claims, and we can fully support it – locally.

HV Power – we're hands-on, simply more than a supplier!

Product Gallery

SIEMENS (SIPROTEC & REYROLLE Protection Relays)

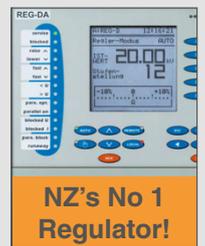
The SIPROTEC family of Protection Relays has full IEC 61850 capability besides supporting all other major communication protocols, for seamless integration. The latest generation of technology, SIPROTEC 5, brings scalable and retrofit table hardware to fit customers' needs, together with multiple protocol support and security features required in today's communication environments.



A.EBERLE

REG-D and REG-DA voltage regulators are the most widely used tap changer controllers in New Zealand. Local lines companies implement these 'one box' solutions for automatic voltage regulation and temperature control of their substation transformers.

A.Eberle also have a range of power quality analysers for portable field use and models for permanent monitoring.



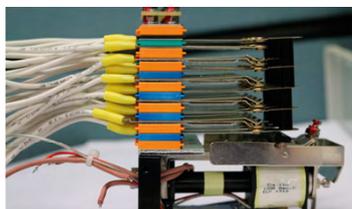
Neutral Earthing Resistors

HV Power supply complete MegaResistors neutral earthing resistors, plus also use their resistor stacks as part of our larger customised NER solutions, for example up to 1000 A and up to 220 kV grid exit points. Both stainless steel resistor elements and enclosures are used for long-life.



Metering Units

HV Power's dry-type outdoor metering unit provides a convenient solution where metering needs to be installed on 11 kV or 22 kV networks (on circuits up to 600 A). The stainless steel enclosure assures a long service life.



Mors Smitt (RMS)

Mors Smitt (was Relay Monitoring Systems) is a company dedicated to the design, manufacture and distribution of high-quality protective relays and accessories including:

- Auxiliary and tripping relays
- Single and multi-function protection relays
- Trip circuit supervision relays
- Arc fault protection relays

Low Power Instrument Transformers

We offer Low Power Instrument Transformers, and our expertise can help you in the design and specification of these cost and space saving technologies. We offer quick delivery from supplier with excellent quality.



Cable Seals

We offer solutions for gas and watertight building cable entries. The standard wall inserts and retrofit products cover most applications, with customised solutions available for special applications. Earthing points are also available for encasement in concrete.



SIEMENS

SIPROTEC Protection Relays
SICAM PAS Substation Automation

REYROLLE

Siemens Protection Devices
Reyrolle Protection Relays

a-eberle

Transformer Regulators
Power Systems Analysers

MegaResistors

Neutral Earthing Resistors

MICROCHIP

Time Synchronisation

Product Gallery

SIEMENS (RUGGEDCOM)

RUGGEDCOM® products offer extreme temperature range, Zero-Packet-Loss technology with immunity to high levels of electromagnetic interference. RUGGEDCOM products can be found in mission-critical networks used in electric power, transportation and oil and gas industries.



SIEMENS (Power Systems Automation Devices)

PAS (Power Automation System) is the ideal product to support IEC 61850 or where conversion to DNP or other protocols is required.

The A8000 is a highly versatile building block. It can be a small station RTU, a protocol converter, or an automation controller. The -40 to +70 degree C temperature range makes it ideal for field applications.



A8000



Dry Transformers

Siemens Energy GEAFOL series of cast resin dry-type transformers can be sized up to 50 MVA, and up to 52 kV (secondary voltages are typically 415 V, but can be 690 V to 33 kV). We can supply these with a range of enclosures and secondary monitoring.

SIEMENS (Switchgear)

In New Zealand, the Siemens range of MV switchgear, including Ring Main Units and outdoor circuit breakers are distributed by HV Power. HV Power takes standard 'basic' Siemens panels from the factory and customises these with the options and enclosures specified by the customer. We can supply from 'simple' street side RTR ring main units, through to switchboard solutions.

We cover applications of 11 to 66 kV and up to 5000 A.



MICROCHIP

Microchip Technology Incorporated is a leading provider of smart, connected and secure embedded control and timing solutions. In New Zealand, HV Power offer the Tekron brand of GPS clocks and time synchronisation devices for the power industry who need to maintain time for control, sequence-of-events and protection.

MTE HYDROCAL

Transformers are the most cost-intensive single component asset in power transmission/distribution and should therefore be supervised with special care. Analysis of the gases dissolved in transformer oil is recognised as the most useful tool for early detection and diagnosis of incipient faults in transformers.

HV Power support MTE's range of HYDROCAL brand, maintenance-free online DGA and moisture in oil detection solutions.



The Company

Founded in 1994, HV Power is a privately held technology company that operates as the exclusive New Zealand distributor for several foreign and one local manufacturer. Our range of Intelligent Electronic Devices includes protective relaying, substation automation, transformer tap changer and temperature controls. We're also involved in time synchronisation, power quality monitoring, electrical metering products and transformer DGA monitoring. Plus we provide primary and secondary medium-voltage distribution equipment to the electrical industry (such as circuit breakers and ring main units).

HV Power has built a solid reputation for providing comprehensive technical and practical hands-on support to our customers amongst the New Zealand power utility companies, their engineering consultants and contractors. The HV Power team holds many years of industry experience and knowledge on the application of the various technologies we supply. Examples of our team's practical hands-on success include providing the first IEC 61850-based substation automation systems in Australasia in early 2005.

More recently we've worked with customers using cellular technology for remote control of Ring Main Units. Our people often work with utilities to develop network standards for transformer controls and the roll-out of new technologies.



In June 2021, HV Power and CSL (Cuthbert Stewart Limited) created a joint company 'Gridworks' to focus on solutions for network lines and cables. Gridworks now offers the following 'HV Power' products:

- Siemens Energy Surge Arrestors and Line Regulators
- Siemens Fusesaver, Compact Module Recloser and 3AD Recloser
- MV Technology/Horstmann Fault Passage Indicators
- RE+DS Resonant Earthing Devices

See Gridworks.co.nz for more information.

Technical Support 0800 HV CALL (0800 48 2255)

The HV Power front line



Mike Strong

/ CEO and Director

Mike joined the company in 2003 bringing practical experience from working for NZE, contracting companies and a local network lines company. Mike's role is to lead the team and to co-ordinate and manage the company and its resources. He is well known to our customers for leading 'from the front', being actively involved in sales of switchgear and other product lines.



Warwick Beech

/ General Manager and Director

Originally qualified as an electrical/electronic technician, Warwick then moved into test and measurement product sales. After working internationally for a decade as a Product Manager in the power quality industry, Warwick returned to set up a Wellington office for HV Power.



Marcus Ling

/ Product Specialist

Marcus has for many years been associated with the sale of primary plant to the local PTD sector. His role has been to develop opportunities for our RE+DS Resonant Earthing and Earth-fault Detection products. He's heavily involved in all aspects of the sales and support of Siemens MV switchgear at HV Power.



George Stoltz

/ General Manager – Switchgear

George has been with HV Power since 2019 after relocating from South Africa to New Zealand. His knowledge and experience of working for switchgear and engineering companies means he is the perfect person to head up our Switchgear division.



Mohit Phadnis

/ Support Engineer

Mohit has worked for HV Power since graduating in 2012. His primary focus is providing application and technical support to customers.

Mohit is now our technical lead support engineer for A.Eberle REG-D / REG-DA Voltage regulators for New Zealand and Australia.



Mark Millar

/ Sales Manager

Mark joined HV Power in 2022. His extensive sales management background working in the telecommunications, IT and power industries are proving to be a real asset in his current role as Sales Manager for HV Power.



Brian Young

/ Sales Engineer - Switchgear

Brian has been part of the HV Power team since 2021. He brings over 30 years of experience working in the electrical utilities industry in New Zealand and South Africa. He enjoys expanding his knowledge of the industry so he can help our customers with the best solution for their needs.



Howard Wardley

/ Sales Engineer – Protection

Howard has significant industry experience locally and abroad in the roles of protection relay sales, support and power systems engineering. He joined HV Power in 2017 as 'Sales Engineer – Protection' to focus on the sales and support of Siemens SIPROTEC relays, RMS and other IED products in the lower South and upper North Islands.



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