



Stainless Electrical Products



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Unmatched Quality

Explore the pinnacle of stainless-steel fabrication with **Stainless Electrical Products (SEP)**
New Zealand's leading innovator in stainless steel Electrical Solutions since 2004

SEP specialise in fabricating high-quality stainless steel electrical enclosures powered by ABB's LV Range of Kabeldon hardware.

Fabricated in our Workshop - SEP LV Racks are fully customisable to your exact requirements



“SEP Assemble, Test & Certify all LV racks installed in Hitachi Energy New Zealand's pad mount mini kiosk distribution transformers supplied to Wellington Electricity Lines” - John Morgan - Hitachi Energy

LV Racks or Purpose-built LV Internal Fit out

Design Applications

- LV Side of 15 KVA to 1500 KVA Transformers
- LV Panels/Kiosks
- LV Modular Cabinets

Features Include

- Tinned copper Busbar
- Touch proof covered busbars improve operational safety.
- Transformer isolator or direct busbar connection
- XLPE Flexible fine stranded conductor cables for easy transformer connection
- Modular design enables easy customisation of mounting, assembly and expansion.
- Accommodates both 1 phase and 3 phase fused disconnectors.
- Optional integrated street lighting and local control is available.
- Frame and mounting are made from 304 Stainless steel for longevity.
- Mounted on Type X insulation board.
- MDI's & CTs rated to suit transformer size.
- LV Racks Available in 3way to 9.5way (0.5 to accommodate 160a Disconnect)



LV Panels/Kiosks and Modular cabinets available as a turnkey solution up to 2500A.

Stainless Steel Enclosures

SEP Commit to excellence and precision in every product. Our engineering expertise ensures that each item not only meets but exceeds industry standards, providing the end user with lasting reliability.

Our range of Custom-built Stainless-Steel enclosures are fabricated to stand the test of time and outlast the lifetime of the equipment inside it.

Scientifically speaking, Stainless steel is a steel alloy that contains a minimum chromium content of 10.5%.

The chromium reacts with the oxygen in the air and forms a protective layer that makes stainless steel highly resistant to corrosion and rust.

This further strengthens our enclosures resistance to corrosion against industrial acids, alkaline solutions and makes it particularly resilient in high saline environments (i.e. those by the sea).



Aitutaki Power Supply Cook Islands.

SEP Modular Distribution Cabinet for the Te Tau Papa o Avarua Project

Pole mounted enclosures

SEP Stainless Steel Modular Distribution Cabinets and Pole mounted enclosures are the only choice where electrical equipment needs to be protected from harsh environments.



SEP has the solution to house components for a variety of heavy-duty outdoor applications including rail, road/traffic management, outdoor data, circuit breakers, lighting systems and other general industrial applications.

Our IP Rated Pole-Mounted Enclosures are designed to protect electrical equipment from extreme outdoor environments.

Pole mounted enclosures can be manufactured so the door is either Hinged with a 3-point cam lock system or by a fixed lid options which is locked by captive security screws.

Enclosures are hand polished to a grain finish to minimise glare and prevent reflection.

To ensure that enclosures fit securely on the pole S.E.P supply heavy duty pole mounting kits. Our kits enable the end user to connect the enclosure onto widths ranging from 245mmW-350mm.

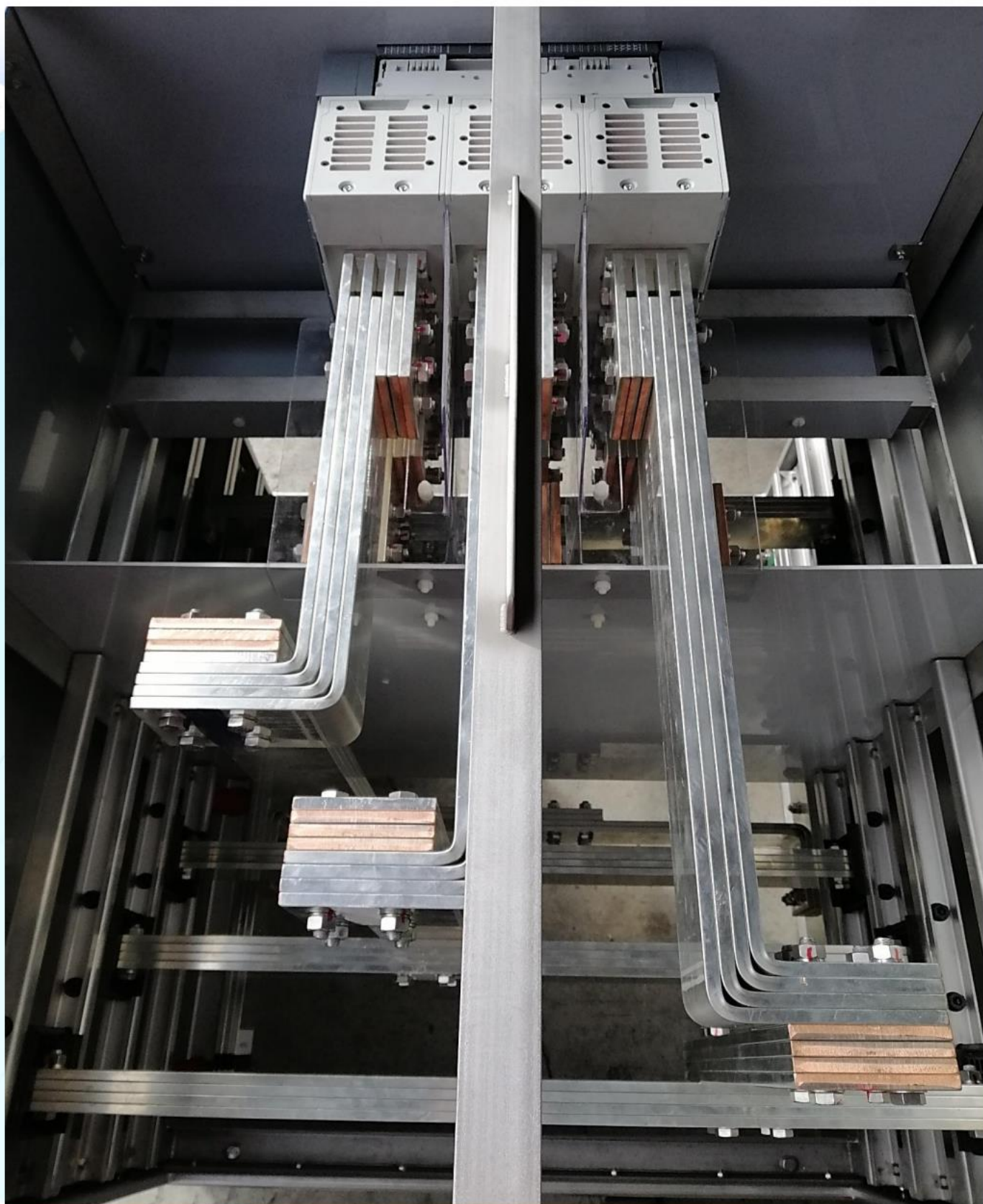
- Optional Accessories
- Vented or Non-Vented Enclosure
- Wall mounting option available
- Custom made Antenna Brackets
- Dulux Powder coated finish
- Perspex viewing windows installed

“The installers really liked using the mounting brackets. Said that they were easy to use and catered for all locations they could potentially have for the installation.” - WEL Networks

“Had great feedback from the guys in the field. They are finding the enclosures easy to use” - WEL Networks

SEP manufactured Busbar system utilising ABB Busbar accessories. Precisely machined to reduce contact resistance.

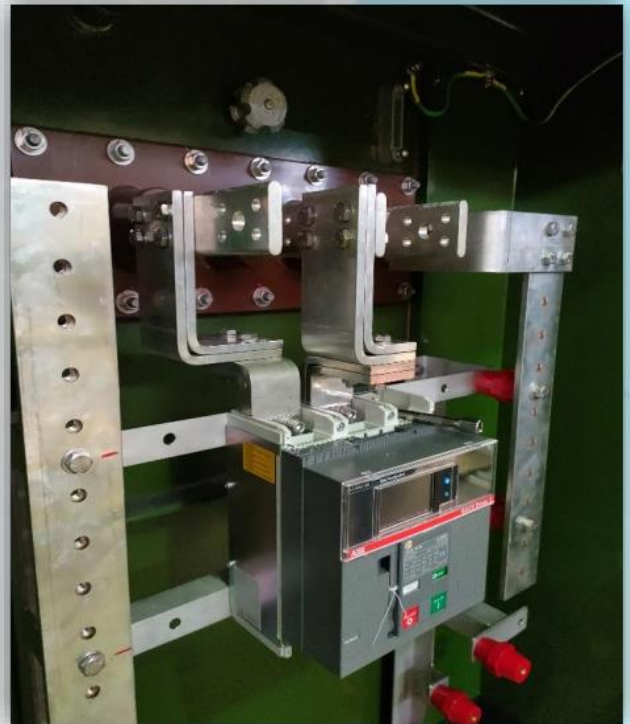
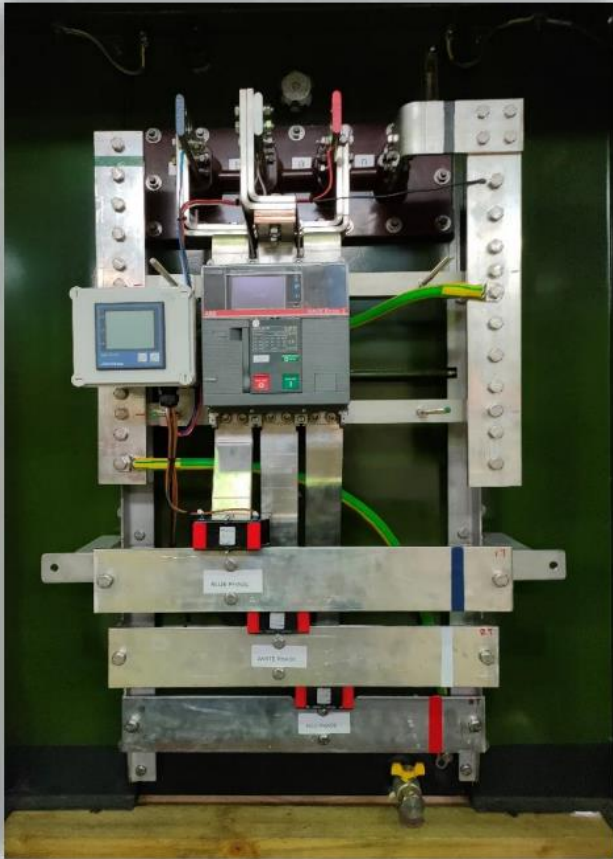
SEP
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SEP Manufactured Busbars



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Technical Distributor



Stainless Electrical Products

In 2010 we were approached by ABB Ltd, New Zealand to manufacture and install LV racks into transformers for ABB clients. We now manufacture a range of LV racks fitted into transformers, standalone customer manufactured stainless steel enclosures (complete with copper Busbars) or supplied as a prebuilt rack only.

We are also an appointed Technical Distributor to support the ABB Low Voltage Fuse gear range for the utilities sector. We carry full stock of InLine II Disconnects, Metering Products and OT switches.

We can offer you a complete solution from the supply of the LV rack components to a complete assembled solution designed and built to your specific requirements

Our equipment of choice is the Kabeldon Range by ABB

ABB

- Inline II Fuse Switch Disconnectors
- Easyline XLP Fuse Switch Disconnectors
- Currents Transformers (CT'S)
- Load Break Switches
- Air Circuit Breakers (ACB's)
- Moulded Case Circuit Breakers (MCCB's)

Kabeldon

- SLD Fuse Switch Disconnectors
- FD 3300 Disconnectors
- KSFS Busbar System
- CDC Series- Cable Distribution Cabinet





SEP
Stainless Electrical Products
NZ MADE



ABB Technical Distributor

In Summary

SEP are the preferred LV Rack Manufacturer and installer for Hitachi Energy NZ

SEP the Technical Distributor for ABB

We commit to excellence and precision in every product.

Our engineering expertise exceeds industry standards providing customers quality products with lasting reliability.

From complex electrical setups to straightforward enclosures, our skilled team delivers exceptional support and meticulous attention to detail in every project.

As we look to the Electrical Future, SEP's focus will be working with network companies to develop a turnkey solution to enable electrical storage capabilities for all New Zealanders.

“Partner with S.E.P. for your stainless-steel Electrical needs and benefit from a partnership that values quality, customer satisfaction, and innovative solutions.”



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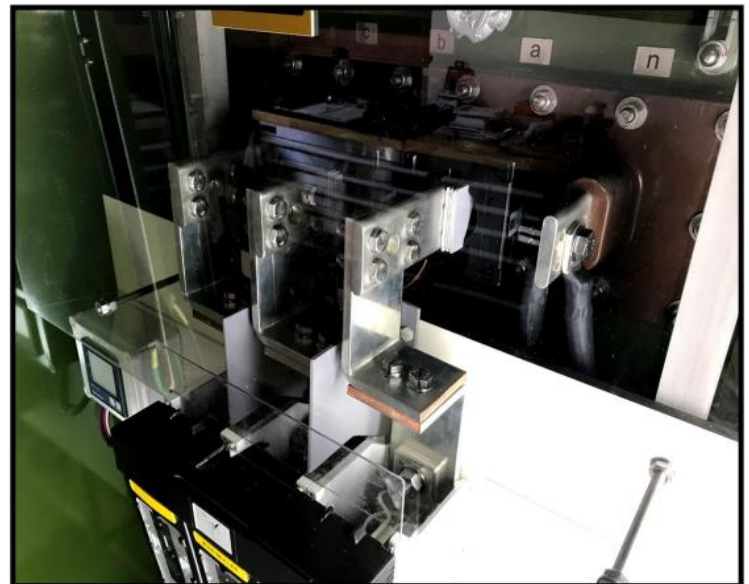
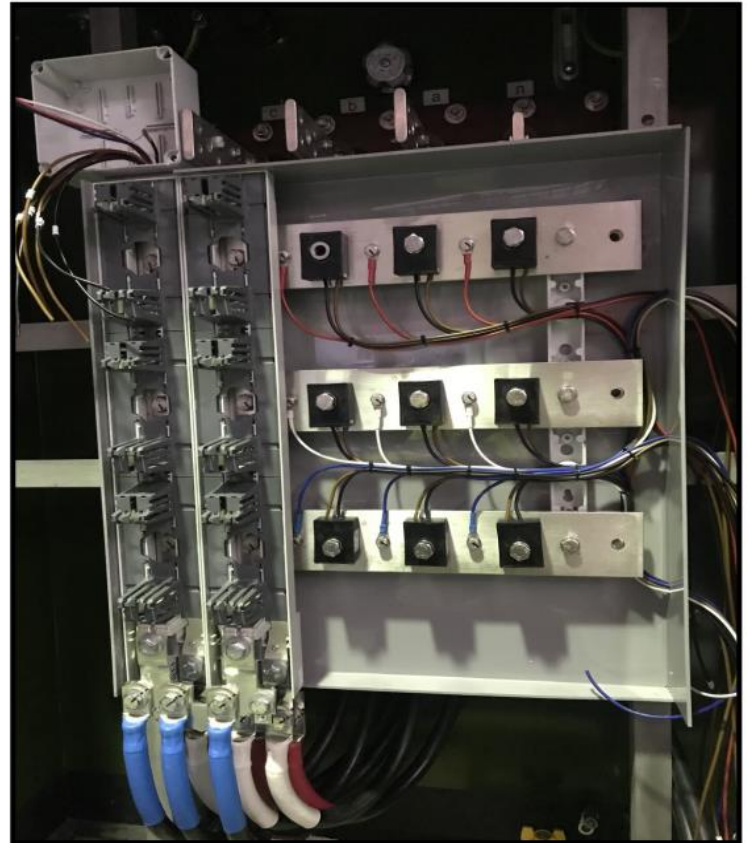
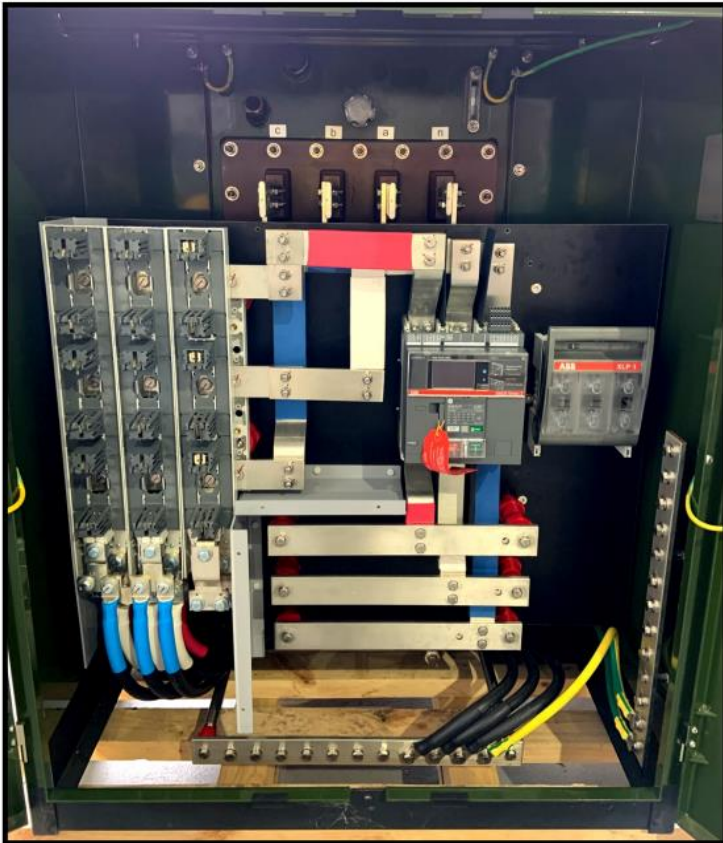
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750kVA LV RACK EXAMPLES





1600 AMP ABB ACB



JEAN MULLER 10 WAY LV RACK



1600 AMP ABB ACB WITH FLEXIBLE INCOMERS



1600 AMP ABB ACB WITH 3 WAY LV RACK