



MAHANGA HOLDINGS LIMITED

Power Consultants Ltd

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## Power Points - News letter

We are the local agents for the following products, and thought it timely for a reminder for your perusal.



The Leading Manufacturer of RTV Silicone Coatings and Sealants **CSL Silicones Inc** is an ISO 9001 Certified manufacturer of standard and custom silicone products including lubricants, coatings, compounds & adhesives.

With over 25 years of experience in the manufacture of Room Temperature Vulcanizing (RTV) silicone products, CSL Silicones Inc. continues to exceed the highest standards for quality. We produce silicone sealants, lubricants, coatings, compounds & adhesives that perform reliably in extreme temperatures, seal aggressively and perform predictably in mechanical, chemical, thermal and electrical applications.

### High Voltage Insulator Coatings



Power outages due to dirty insulator flashover are an expensive nuisance to industries that require a reliable power supply. Leakage current and flashovers cause hours of machine downtime and unnecessary maintenance expenses. **PREVENT AND ELIMINATE THE EXPENSE OF INSULATOR FLASHOVERS WITH Si-COAT High Voltage Insulator Coating (HVIC)** Insulator flashover results from contamination that settles on the insulator surface. When combined with environmental moisture, leakage current develops which can lead to flashover. Older methods to prevent flashover such as frequent water washing or greasing are time consuming. Instead, coat your insulators with Si-COAT HVIC; the coating that has proven itself to give the best extended-term flashover protection, even in the most adverse of conditions.

#### Products

- Si-COAT® 570hs™ | High Solids High Voltage Insulator Coating  
High solid content, one-part room temperature vulcanizing (RTV) polysiloxane coating that is a solution to the problem of insulator flashovers.
- Si-COAT® 570™ | High Voltage Insulator Coating  
One-part room temperature vulcanizing (RTV) polysiloxane coating that is a solution to the problem of insulator flashovers.



RITZ Instrument Transformers offers a wide range of innovative high quality products, allowing a precise measuring of currents and voltages.

Since the founding by Dr. Hans Ritzin Hamburg Ritz think and act customer-oriented, they are reliable and act with foresight.

With their production locations, RITZ can guarantee worldwide the consistent utilization of synergies within the entire value chain and therefore achieve flexible action, high efficiency and best quality.

**MEDIUM VOLTAGE INSTRUMENT TRANSFORMERS**

**Voltage Transformers**

Voltage Transformers are transformers which convert high voltages into measurable and standardized voltages. These are then proportional and in-phased to the primary signal.

Voltage Transformers have only one magnetic iron core with an attached secondary winding(s). Voltage Transformers can be provided either as single pole or double pole insulated designs.

An additional winding can be provided for Single Pole Insulated Transformers (da-dn) if necessary for an open delta circuit.



Voltage Transformer  
Single pole



Voltage Transformer  
Double pole

**MEDIUM VOLTAGE INSTRUMENT TRANSFORMERS**

**Current Transformers**

Current Transformers are transformers which convert high currents into measurable and standardized currents. These are then proportional and in-phased to the primary signal.

**Current Transformers Outdoor Application up to 72.5 kV**



Current Transformer  
Indoor Application



Current Transformer  
Outdoor Application



## Fisher Pierce Indicators, Sensors & Controls

Fisher Pierce® Faulted Circuit Indicators (FCIs) for both overhead and underground applications are cost-effective tools to more quickly locate faults thereby reducing outage duration and customer complaints.

### Features

**Adaptive Logic:** Fisher Pierce FCIs use adaptive trip reset logic to eliminate the need for replacement as the load changes.

**Find Temporary Faults:** A Fisher Pierce option is temporary fault detection to eliminate pesky, time-consuming intermittent failures.

**Highly Visible:** Fisher Pierce options include highly visible strobe, LED and fluorescent orange flag indicators, so you won't miss a problem.

SCADA ready for remote communication.



CAPACITOR  
CONTROLS



CELLULAR RTU'S  
AND RECEIVERS



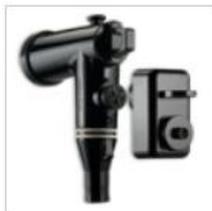
CLAMP TYPE  
FAULTED  
CIRCUIT  
INDICATORS



CURRENT  
SENSORS



OVERHEAD  
FAULTED  
CIRCUIT  
INDICATORS



TEST POINT  
INDICATORS



UNDERGROUND  
FAULTED  
CIRCUIT  
INDICATORS



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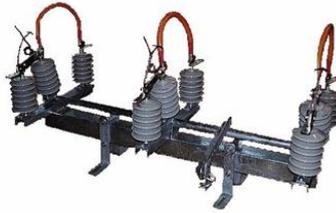
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Home of the Mahanga ABS and Specialist PF products.



### Air Break & Load Break Switches

11kV, 22kV & 33kV 600amp ABS with flickers or Load Break Interrupters  
Adjustable phase spacing or custom design  
Top mount, side mount, vertical or horizontal  
New Zealand designed and manufactured



### HV 11-33kV Pole Top Capacitor Banks

11kV - 33kV Systems  
Switched or Unswitched  
Arrestors  
Bird Caps  
Galvanized Frame



### HV Power Factor Cabinet

11kV - 33kV Systems  
Joslyn VSV Switching  
GE Capacitors  
Inrush Reactors  
Galvanized Base  
Powder Coated Aluminium Panels



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