

# VeriFOCS (Fibre Optic Current Sensor)

## Verify your DC Current Measurement

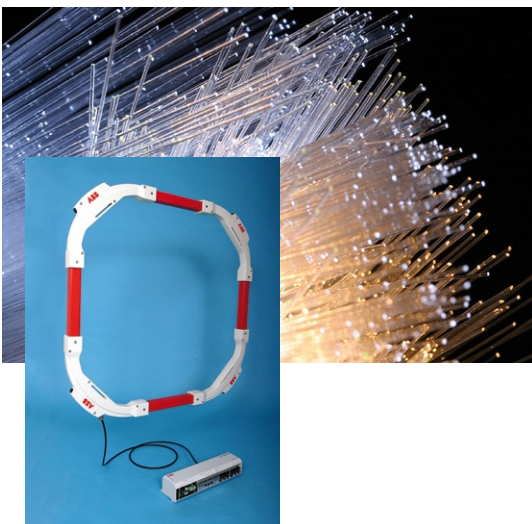
Power Electronics  
Service



### Let us measure your TRUE DC CURRENT!

ABB's VeriFOCS Service Program is a fast and cost effective way to verify the accuracy of your existing DC-metering system.

- Product Lifecycle Services
- Installation & Commissioning
  - Training
  - Support & Remote Services
  - Spare Parts & Repairs
  - Maintenance & Field Services
  - Migration & Retrofits
  - Optimization



#### No plant shutdown

This service can be part of a scheduled preventive maintenance activity or can be performed anytime without a plant shut-down.

#### No opening of busbar

The sensing Fiber of the VeriFOCS can be placed around the Busbar without opening them.

#### No influence by magnetic fields

The signal is determined by the enclosed current, independent of any stray magnetic field distribution, and is not influenced by currents outside the optic-fiber loop. The sensor can thus be placed anywhere along the busbar without fear of interference.

#### Plug-in and verify

There is no need for calibration after installation.



**This service is available for equipment of any brand**

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### **ABB VeriFOCS benefits:**

- Fast and easy installation
  - No civil work
  - No installation of auxiliaries required
  - High accuracy  $\pm 0.1\%$  of the measured DC current
  - Multiple meter readings at various locations in a single day
  - No surrounding magnetic field influences
  - No shutdown required
  - Compact size, little weight, easy to handle
  - Measuring range up to 500 kA available
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### **Scope of Supply**

- Installation of ABB VeriFOCS
  - DC current measurements on site
  - Reporting
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### **Information to be supplied by the customer prior to a quotation**

- Measuring range (kA) to be expected
  - Dimensional drawings of the busbar system
  - Predefinition of the measuring locations
  - Photographs of the busbar system
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### **Pre-conditions for execution, required customer support**

- Busbar system accessible for the installation of the measuring unit
  - High Power Rectifier system available for operation at different loadsteps
  - Availability of 1 electrician to assist
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