

# CHS249

## Fiber Optic Current Sensors Introduction

### Course goal

The course is focused on introduction of the FOCS technology, product and its application.

The FOCS-LTB current sensor device is a technology enabler that may lead to a large impact on high voltage devices, substation design, and substation automation. This course aims to accelerate the development of new integration projects, substation designs and new substation automation products based on the new optical sensing technology.

### Participant profile

ABB employees, customers

### Prerequisites

None

### Topics

- What is a Fiber Optic Current Sensor
- FOCS LTB420 – main components, integration concept, basic functionality
- Operating Principle and Response Characteristics of FOCS
- Advantages and Benefits of FOCS-Technology

- Instrument Current Transformers and their applications: protection, metering, other functions
- ABB position in conventional Instrument Transformers and in NCIT (product portfolio)
- Basic information about competitors

### Course type and methods

Presentations and practical demonstrations

### Duration

1 day

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