

# SCS Synchronous Controller Level 3 Field Service Engineer Training

DTB TRAINING CENTER GREENSBURG, PA- COURSE DESCRIPTION

Hitachi Energy pleased to offer the following 2-day training course consisting of classroom and hands-on instruction at Hitachi Energy's Greensburg, PA Training Center. The course is aimed to provide a general understanding of operations and maintenance of Hitachi's Switching Control Sentinel (SCS) for HV circuit breakers. The course will cover a variety of voltage classes, depending on the equipment types the course attendees encounter in the field. During the classroom portion, experienced instructors will share their knowledge and expertise through interactive, engaging classroom instruction. To add further understanding, each main category of instruction will be followed by hands-on activity where students can interact with the units first-hand.

PREPARED BY	STATUS	SECURITY LEVEL			
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APPROVED BY	APPROVAL DATE				
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OWNER	DOCUMENT KIND				
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TITLE					
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US-Mount Pleasant-2657-Field Service		Α	en	1/3	
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## Course goal:

The course is an in-depth training and teaches profound knowledge on the operation, commissioning and troubleshooting procedures of the SCS (Switching Control Sentinel).

## Who would benefit:

- Hitachi Energy Technicians/ Engineers
- Hitachi Energy Channel Partners

#### Included:

- SCS information manuals
- 1 2 continental breakfasts
- ❖ 1 2 lunches
- 1 group dinner
- certificate of completion

# Main learning objectives:

- Understand the functions of all SCU components
- Perform retrofit Procedures of SCU
- Perform a complete commissioning test using the SCS CB insight software.
- Make necessary setpoint adjustments for POW switching for optimal performance of DTB or LTB

## Certification:

A confirmation will be issued after successful participation in this course, as part of the certification process.

Within a 12 months period, an on-site assessment must be carried out along with a final review to complete certification.

# Prerequisites:

- ❖ L2 training or experience on DTB/LTB
- Ability to read and speak English
- Understand wiring diagrams and drawings of control circuits
- On-site experience on DTB Installation and/or Commissioning procedures.
- Attended the local required Health & Safety Training
- First aid course with certificate
- ♦ Own PPE
- Enhanced computer skills with admin rights.

#### **Duration:**

2 days

### **Enrolments:**

Send your request to

us-dtb training@hitachienergy.com

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Point-on-wave control

nous closing

 Transient control with synchronous closing

Advancement in technology

- Synchronous Closing design goals
- Interrupter issues
- Control Algorithm- compensation
- Control Algorithm- adaptation
- Control Hardware Requirements
- Timing Considerations

Introduction to the SCS Devices

- Sensors
- Hardware
- Monitoring concepts

- Setup and configuration
- Factory test
- Responding to alarms
- SCS Communication concepts

Classroom

Classroom and Practical

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