

## Course description

# G932\_1

## Service training for motors and generators for hazardous areas – Additional requirements for HV Motors

### Course goal

The goal of the course is to update the knowledge of ABB's AC High Voltage induction and synchronous motors and generators, for people who already attended the G932 Service training for motors and generators for hazardous areas. The purpose of the training is to enlarge the knowledge of ABB's HV Ex Motor design and their related Service Requirements

The training will cover the following motor protection types: flameproof, increased safety, pressurized, non-sparking and dust ignition proof.

### Learning objectives

Upon completion of this course, students will:

- have updated knowledge of repair methods and practices for Motors and generators
- have a complete overview on the design of ABB Ex HV Motors.
- be able to describe which the permitted maintenance and repair actions are, specifically for ABB HV Motors.

### Participant profile

This training is dedicated to service and maintenance technicians, who already have attended the G932 Service training for motors and generators for hazardous areas.

### Prerequisites

The student should have basic knowledge on G932 Service training for motors and generators for hazardous areas.

Student is recommended to take the G932 student binder to the seminar.

### Topics

- ABB's hazardous area LV Motor and HV Motors product range and design / Ex Terminal boxes design
- Service requirements for Hazardous area HV Motors
- Main Maintenance and Repair actions on ABB HV Motors

### Course type and methods

The training will be based on the IEC 60079-19 and ABB requirements, for Service on Ex Motors. Training contents are considered to be an update of the material and information of the G932 Service training for motors and generators for hazardous areas.

In the end of the training a brief test will be held to ensure that the student has acquired the qualifications required.

### Course duration

The duration of the course is 1 day.

### Language

The language of the course is English

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## Agenda

### Day 1

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8:30 – 12:00	Welcome
	Brief general review of the Ex Concepts
	Ex-products (LV and HV)
	Repair Methods on HV motors (and refresh on LV requirements)

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12:00 – 13:00	Lunch
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13:00 – 17:00	Maintenance and repair on Ex Motors
	Certification exam
	Summary of the training – Certification

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17:00	Finishing the day
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**BU Motors and Generators training**

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