

COURSE DESCRIPTION

INTCV185

Gas Insulated Switchgear (GIS)



The goal

The goal of the course is to improve the ability of Personnel from Power Utilities, Power Generation, transmission companies & industries and Consultants responsible for engineering, commissioning, operation and Maintenance of GIS to use, maintain & select Gas Insulated Switchgear in better way.

Learning objectives

Upon completion of this course, participants will be able to:

- Understand the use of GIS and its application.
- Appreciate the design principles and critical elements of GIS.
- Understand the critical elements of operation & maintenance of GIS.
- Understand the do's and don'ts for GIS.

Participant profile

The Personnel from power utilities, power generation, transmission companies and industries and consultants responsible for engineering, commissioning, operation and maintenance of substations

Prerequisites

Degree or diploma in engineering, basic knowledge of power system

Topics

- Evolution, Basic Design, Basics of SF6.
- History & Development stages of GIS.
- Comparison of different arc interrupting principles.
- Comparison of AIS V/s GIS.
- Basic Concepts of GIS System Engineering.
- GIS Components – Circuit Breaker, Current Transformer, Voltage Transformer, Isolator, Fast acting earth Switch, Enclosures, and Insulators.

- Salient features.
- Different Interconnection arrangements in GIS
- Day to day care.
- Operation and Maintenance.
- Troubleshooting.
- Specifications and standards
- Site Testing & care

Course type

This is an instructor led seminar with practical demonstrations of product and guided tour to GIS Factory. The language of the course is English.

Laptop or tablet is required to have access to the e-documentation. Please bring your own device.

Duration

The duration of the course is two days.

Safety

Participants must wear safety toe shoes or boots while entering the labs.

To Register:

LMS:-[MyLearning](#)

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Search: please enter course number INTCV185 into the search field. (Please check the language filter EN)

The latest version of the course portfolio, and course schedule can be found on our

ABB PowerTEC Webpage :

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