



*Training Course:  
Authorization Training for Working on 11 KV and  
132 KV Systems*

*6 - 10 July 2025  
In-House*

## Training Course: Authorization Training for Working on 11 KV and 132 KV Systems

Training Course code: EN235982 From: 6 - 10 July 2025 Venue: In-House - Training Course Fees: € Euro

### Introduction:

High-voltage electrical systems such as 11 kV and 132 kV networks are critical components of modern power distribution and transmission infrastructure. Working on or near these systems requires not only technical competence but also strict adherence to safety regulations, procedural control, and regulatory compliance. This training program, designed by [Global Horizon Training Center](#), is tailored for experienced electrical professionals who are being prepared or refreshed to act as [Senior Authorized Persons SAP](#) for high-voltage operations.

The program focuses on the practical and theoretical aspects of operating, isolating, testing, and issuing safety documents in HV systems. It provides a comprehensive understanding of electrical safety rules, switching procedures, risk assessment, and emergency response. It ensures that candidates demonstrate the competence and confidence required to manage work safely and effectively on live and de-energized HV systems up to 132 kV.

### Objectives:

By the end of this training, participants will be able to:

- Understand the responsibilities of a Senior Authorized Person SAP
- Identify and interpret safety documentation for HV systems
- Apply correct procedures for switching, isolation, and earthing
- Assess risks and implement appropriate controls
- Issue and cancel permits and safety documents
- Respond appropriately to HV incidents or emergencies

### Target Audience:

- Senior Electrical Engineers and Technicians
- Electrical Supervisors working with 11 kV to 132 kV systems
- Professionals seeking Senior Authorized Person SAP status
- Substation Operators and HV Safety Officers

### Outlines:

#### Day 1:

##### HV Systems Overview and Safety Responsibilities

- Overview of 11 kV and 132 kV systems and network architecture
- Key components: switchgear, transformers, circuit breakers, relays
- Role and responsibilities of a Senior Authorized Person
- Regulatory frameworks and codes of practice
- Understanding isolation boundaries and safety zones

#### Day 2:

##### Electrical Safety Procedures and Permit Systems

- HV operational safety rules and procedures
- Electrical permit-to-work systems
- Safety documents: permit to work, sanction for test, limitation of access
- Lockout/Tagout procedures
- Risk assessments and method statements

#### Day 3:

##### Switching, Isolation, and Earthing Techniques

- Switching sequences and switching programs
- Correct isolation and earthing procedures
- Application of earth devices and proving dead
- Interlock systems and safety checks
- Case study: switching incident analysis

#### Day 4:

##### Practical Operations and Fault Scenarios

- Step-by-step HV operation simulations
- Fault finding and system restoration

- Reading and interpreting HV diagrams and single-line schematics
- Managing multiple permits and safety documents simultaneously
- Emergency response protocols

#### Day 5:

#### Assessment, Final Evaluation, and Certification

- Practical test on issuing and cancelling permits
- Scenario-based role play as SAP in a switching operation
- Final written examination
- Course review and Q&A

## Registration form on the Training Course: Authorization Training for Working on 11 KV and 132 KV Systems

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

### Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....  
 Position: .....  
 Telephone / Mobile: .....  
 Personal E-Mail: .....  
 Official E-Mail: .....

### Company Information

Company Name: .....  
 Address: .....  
 City / Country: .....

### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....  
 Position: .....  
 Telephone / Mobile: .....  
 Personal E-Mail: .....  
 Official E-Mail: .....

### Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
- ☐ Please invoice me
- ☐ Please invoice my company

### Easy Ways To Register

Telephone:  
+201095004484 to  
provisionally reserve your  
place.

Fax your completed  
registration  
form to: +20233379764

E-mail to us :  
info@gh4t.com  
or training@gh4t.com

Complete & return the  
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to: Global Horizon  
3 Oudai street, Aldouki,  
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