

## STIPEL Installatie- werkverantwoordelijke (HS + LS) \*\*\*\* (H-IVVW)

### Short Description

The course consists of two modules. The first module, lasting 2 days, covers the topics tested in the STIPEL basic test, with an emphasis on technical aspects. The second module, lasting 4 days, covers the topics tested in the certification test, focusing on safety aspects, knowledge of standards and regulations, and the safe execution of operational procedures, safety measures, and tasks based on work plans and operational plans. Day course, spread over several weeks and consisting of theoretical and practical lessons. Duration: 5 weeks.

### Objectives

After completing this training, the participant will have:

- knowledge of relevant standards and legislation for the safe operation of electrical installations;
- knowledge of power supply systems;
- knowledge of the structure and function of the installation;
- knowledge of the theoretical background of electrical energy technology required to work safely in high and low voltage installations;
- knowledge of the consequences of overloading and short circuits in electrical installations;
- knowledge of the tasks and responsibilities of the Installation and Work Responsible Person as laid down in NEN 3140 and 3840.

After completing this training, the participant will be able to:

- avoid electrical risks that can lead to serious bodily injury due to electric shock and arc flashes caused by short circuits;
- recognize components in high and low voltage installations and identify their applications;
- assess how and with what tools operational and safety procedures should be carried out and perform these procedures based on work and operational plans;
- recognize and use tools, aids, and personal protective equipment to work safely and avoid risks;
- write work and operational plans.

### Target Group

Installation and Work Responsible Person HV/LV (full) Persons who are designated as Installation and Work Responsible Person in accordance with NEN 3140 / 3840 and do not yet have a STIPEL certificate.

### Content

The topics in this course are:

- ARBO legislation and the standards NEN 3140 and 3840;
- tasks and responsibilities of the Installation and Work Responsible Person;
- structure of the national electricity grid;
- network structures and neutral point treatment in industrial and public networks;
- switching equipment;
- transformers;
- reading and interpreting electrical diagrams;
- thermal and dynamic short-circuit strength and consequences of overloading;
- operation of fault indicators and protection relays;
- switching in high and low voltage installations;
- taking the correct safety measures;
- structure and function of high and low voltage installations;
- work and operational plans.

### Prerequisites

Electrical engineering knowledge at MBO level 4 and practical experience with work in electrical installations.

### Note

#### STIPEL Exam

The program is fully aligned with the requirements described in the STIPEL certification schemes for the Installation Responsible Person for high and/or low voltage. See <http://www.stipel.nl/elektrotechniek> for more information. Participation in the STIPEL exam is not mandatory but is recommended. The costs for the exam are not included. Exam candidates must register separately for the STIPEL exam. See the IBEX site under downloads: <http://diensten.kiwa.nl/bouw/examens-basis-stipel>.

#### Combined High-Low Voltage Exam

Siemens Training primarily focuses on individuals designated for high voltage installations. Given the overlap in the certification schemes for high and low voltage and the way the subjects are covered in this course, participation in the combined high-low voltage exam is recommended.

### Type

Face-to-face training

### Duration

6 days

### Language

nl

**Fee**

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4,000 EUR