

STIPEL Vakbekwaam persoon (HS + LS) (H-VP)

Short Description

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

Objectives

After completing this training, the participant will:

- Have knowledge of the relevant standards and legislation for the safe operation of electrical installations.
- Have knowledge of the electricity supply.
- Understand the structure and function of the installation.
- Have knowledge of the theoretical backgrounds of electrical power engineering needed to work safely in high and low voltage installations.
- Understand the consequences of overloading, short circuits, and arc flashes in electrical installations.
- Be aware of the tasks and responsibilities of the Competent Person as outlined 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 from short circuits.
- Identify components in high and low voltage installations and describe their applications.
- Assess how and with what tools operational and safety actions should be performed, and execute these actions based on work and operational plans.
- Recognize and use tools, aids, and personal protective equipment to work safely and avoid risks.
- Draft work and operational plans.

Target Group

Competent Person HV/LV (full).

Persons who are designated as Competent Persons 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 authorities of the Competent Person
- Structure of the national electricity grid
- Network structures and neutral point treatment in industrial and public networks
- Switchgear
- 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 2 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 Competent 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

3,600 EUR