

Skilled Person Low Voltage + End Groups High Voltage - 3 stars

Duration 4 days - theory and practice

Target group The course Qualified Person LS and Terminal Groups HS - 3 Stars is meant for employees who have or will get the designation of Qualified Person and are charged with installing and maintaining electrical installations according to NEN-EN 50110/NEN 3140/NEN 3840. In doing so, they occasionally work on high voltage end groups. The course is interesting for personnel working in industry. Think of power plants, food industry, blast furnaces or wind energy.

Prerequisites To attend the course you need to have an electrotechnical professional education at level EQF 2. EQF stands for European Qualification Framework. This level corresponds to a secondary electrotechnical education (lbo/lts-e or mbo level 2), but you can also achieve it with sufficient knowledge and experience from practice.

Objective The course Qualified Person LS and Terminal Groups HS - 3 Stars of RelyOn Quercus focuses on working safely on and near electrical installations. The course is supplemented with specific knowledge from the high-voltage directive NEN 3840 on the commissioning and decommissioning of high-voltage motors and machine transformers.

For good operational management, the employer must ensure that his employees have sufficient electrical expertise to carry out the work adequately and safely. This course also covers the difference between high and low voltage with respect to business operations.

The STIPEL assessment requirements for personal certification of electrotechnicians according to STIPEL 2000:2024 form the basis of this course. A designation Vakbekwaam Persoon LS and End Groups HS - 3 Stars, is increasingly required.

Contents The course Vakbekwaam Persoon LS en Eindgroepen HS - 3 Sterren includes the following topics:

- Hazards of electricity
- Relation NEN 3140 and NEN 3840 with Occupational Health and Safety Act and European standards
- Liability
- Operation of low-voltage electrical installations NEN 3140/NEN 3840
- Personal protective equipment (PPE)
- Overcurrent protection
- Power systems and automatic disconnection
- Protection against contact
- Switching equipment
- Currents and power
- Mains structure, transformers, generators and three-phase motors
- Switching and securing HS end groups, such as a high-voltage motor or machine transformer
- Power systems

Exam

You can complete the Skilled Person LS and End Groups HS - 3 Stars course with a theory and practical exam. There are two ways to complete the course:

RelyOn Quercus certificate
Certificate of Participation.