



**In order to increase knowledge in Europe about hydrogen and fuel cells, a number of e-learnings is developed in the context of an EU-funded project. In the Micro Fuel Cells e-Learning, you will become familiar with miniature fuel cells which are applied in equipment used in environments not connected to the mains.**

## **Training information**

In recent years, very small fuel cells have come onto the market. For example, to provide laptops or tablets with power where there is no available mains supply. These mini fuel cells are for instance used for recreational purposes (outdoor activities) and in military equipment.

In order to increase knowledge in Europe about hydrogen and fuel cells, a number of e-learnings is developed in the context of an EU-funded project. In the Netherlands, these modules are offered by Kiwa Training (in Dutch or in English). In addition to this module, they are the core module Introduction to Fuel Cells and Hydrogen and the modules Fuel Cells for Transport Applications, CHP Installations with Fuel Cells, Hydrogen: Production and Treatment and Generators Based on Fuel Cells.

# Practical information

## Course content

This e-learning includes the following topics:

- The benefits of micro fuel cells in comparison to 'normal' batteries;
- The various types which are available now or in the near future;
- The applications of such fuel cells;
- The structure and function and the required micro- or nanotechnology;
- Design and Maintenance aspects

## Previous training

This module is intended for participants with a technical MBO education (intermediate vocational education) and a basic knowledge of chemical processes and electricity. The participant must have previously done the Introduction to Fuel Cells and Hydrogen core module, or have mastered the basic knowledge taught in this course in a different manner.

## Course duration and study load

You can do the e-learning in your own time and at your own pace. Bear in mind a total study load of 40 to 60 hours per module.

