

Training

Fundamentals of Fuel Cell and Electrolyser Technology

As part of the **Interreg NWE Green SKHy** project, the companies PLANET, Future.Solutions and Deutsche WindGuard offer a series of training courses on hydrogen, fuel cell and electrolyser technologies.

Through hands-on experiments, we will familiarise you with the future technology of hydrogen. In various experiments, we will introduce the principles, materials and components used to produce hydrogen and convert it back into electricity. We will also show you how to use selected commercial devices as examples.

The course is aimed at:

- Technicians
- Engineers
- Teachers at vocational schools
- Teachers at general education schools
- Technically trained individuals

You can familiarise yourself with the basics in an **online introduction** beforehand:

- Why hydrogen is important for the energy supply of tomorrow (online)
- Chemistry and physics of hydrogen use (online)
- Safety and hydrogen (online)
- Current state of the art and global developments (online)

During the training and laboratory sessions, you will carry out the following experiments:

- Principle of water electrolysis
- Principle of the fuel cell
- Behaviour of the electrolyser and fuel cell under load (recording characteristic curves)
- Principles and operation of small fuel cell systems

Additional course content in the 2-day training:

- Materials and components of the electrolyser/fuel cell, their functions and properties
- Operation of a methanol fuel cell
- Components of electrolyser and fuel cell systems
- Demonstration of commercial devices

Practical Information

This course is part of the publicly funded Interreg NWE Green SKHy project. Thanks to this support, participation is offered at a significantly reduced cost. Without this support, course fees would be much higher.

The course will take place on **2 and 3 December 2025** as a one-day training, depending on the type and number of registrations. Repetitions are planned for 2026, dates are not yet fixed.

The training will be held at the **YMECA Training Room (UPSA, GIM, 2 Roues), Av. des Sciences 17, 1400 Yverdon-les-Bains.**

A **participation fee of CHF 100 per person per day** is required to cover project costs:

- **1 day: CHF 100**

Lunch and drinks are not included. Participants are responsible for organising their own lunch, for example by bringing their own meal or visiting one of the nearby restaurants.

The number of participants is **limited to 16**. Places will be allocated on a *first come, first served* basis. You will receive a **confirmation email** as soon as your place is secured.

Registration is mandatory.

The course will be held in **German and English**, and each participant will receive a certificate of attendance. Together with partners, we are currently working on the introduction of a recognised certificate with a final examination.

Organisateur et contact :

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Please send the email to:
info@future.solutions



Registration Form

Green SKHy

Training – Fundamentals of Fuel Cell and Electrolyser Technology

I hereby register definitively for the following course(s):

- ☐ 2 December 2025 (1-day course), 09:00 – 17:00, CHF 100 – **language GERMAN**
- ☐ 3 December 2025 (1-day course), 09:00 – 17:00, CHF 100 – **language ENGLISH**

Registration becomes valid once confirmed by the organiser.

A minimum of 8 participants is required for a course; otherwise, we reserve the right to adapt the offer.

I acknowledge that **lunch is organised individually** (e.g. bringing your own meal or going to a nearby restaurant).

☐ I am not available on the dates above but would like to be informed about the 2026 offer.
The following dates/times would suit me:

I am interested in:

- ☐ 1-day training courses
- ☐ 2-day training courses

First name, last name:

Institution (if applicable):

Billing address:

E-mail:

Telephone:

Place, date, signature:

Contact for questions about registration or course content:

Dr Birgit Thoben – Tel. +41 78 911 95 22 – E-mail: info@future.solutions

