

Research Center for Hydrogen Technology

Research Center for Hydrogen Technology carries out R&D activities in the field of:

- hydrogen generation, application and storing especially in the area of gaseous hydrogen tanks,
- cryogenics,
- innovative electrode materials for electrolysers and hydrogen fuel cells and
- heterogenous catalysis technologiesin the low-carbon fuel industry.



## We are part of **Hydrogen Europe Research**,

in which we represent European scientific community committed to the development of a new hydrogenbased industrial ecosystem and the promotion of the transition to a zerocarbon circular economy.



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## Training Hydrogen Technology



The trainings are aimed at specialists and managers who work with hydrogen technologies or want to introduce them in their organization, employees of R&D departments, engineers, employees of biogas plants, public administration, associations and universities.

### **Training topics**

Considerations of the hydrogen economy, production and use of hydrogen, as well as the issues of hydrogen storage and distribution along with the legal environment for the implementation of hydrogen technologies in the economy.

Production, distribution and applications of green hydrogen.

PEM, AEM and AWE electrolysis explained - differences, limitations and new technologies in water electrolysis.

Hydrogen storage technologies/ Hydrogen and biomethane storage technologies.

Technological challenges in hydrogenpowered aviation.

Hydrogen fuel cells.

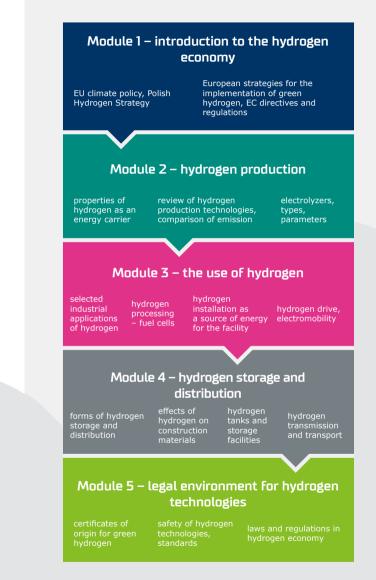
New technologies for producing hydrogen from biomethane.

Heterogeneous catalysis and its applications in biomethane processing technologies.

Technologies for purification and separation of CO2 from biogas.

Identification of transformations occurring during heating of materials used for hydrogen storage. Challenges in interpretation of research results.

# Sample framework training program



#### **5** thematic modules

The scope of information provided within the modules can be tailored to the customer's needs.