

FORMACIÓN Y DIFUSIÓN



Proyecto H2-Training



(ES/06/B/F/PP-149461)

Diseño curricular y elaboración de contenidos formativos basados en tecnologías del Hidrógeno y pilas de combustible, validados internacionalmente. Duración de 24 meses.

Nuevo perfil profesional: "instalador y mantenedor de pilas de combustible de Hidrógeno".

10 socios de 5 países europeos dentro del Programa Europeo Leonardo da Vinci: Fundación San Valero (Promotor), Universidad de San Jorge y Fundación Hidrógeno Aragón (España), Agencia de Energía de Graz y Eco4Ward (Austria), Kolping-Bildungswerk y Weiter Bildungszentrum (centros de formación e investigación alemanes), Universidad de Wales (Reino Unido), Environment Park y Asociación Italiana del Hidrógeno (Italia).



Otras actuaciones



Futuras oportunidades de trabajo.

Surgen necesidades a cubrir en las nuevas tecnologías del Hidrógeno:

Publicación del libro: Hidrógeno y pilas de combustible. Estado de la Técnica y sus posibilidades en Aragón.

Cursos de verano: UNED y Universidad Verano Teruel.

Diploma de Especialización en Tecnologías del Hidrógeno y Pilas de Combustible. Universidad de Zaragoza.

Organización del EHEC 2005, Congreso Europeo del Hidrógeno, Zaragoza.





RESEARCH AND DEVELOPMENT

Develop the new technologies related to hydrogen and renewable energy.
Contribute in the industrial modernization and competitiveness enhancement.



ITHER Project

Walqa Technology Park: Huesca (Spain)



ITHER: Technology Infrastructure for Hydrogen and Renewable Energy

High visibility facility for dissemination purposes. Real-scale test bench System and component development and optimization.

Photovoltaic facility (100 kW) and R&D wind farm (835 kW): electrolysis integration and grid simulation.

Green hydrogen generation for fleets.

Cornerstone: Hydrogen Technology Center.

Financed by the Education and Science Ministry and The Government of Aragón. PCTA22266317/2005

October 2005-June 2007



Other actions



Hydrogen Generation from Renewable Energies Project

Financed by the Education and Science Ministry, CTI-120000-2005-07

Partners: CIEMAT, GAMESA Energy S.A., VESTAS Eólica S.A.U., Taim-Tig S.A.

Objective: Characterize the dynamic operation of a polymeric electrolyzer to integrate it with a wind turbine.

January 2006-June 2006

HOGA: Public Software for the optimization of hybrid systems by genetic algorithms.

Own financing

Collaboration with the Zaragoza University.



GOBIERNO DE ARAGÓN

H2-TRAINING PROJECT



H2-TRAINING



H2-Training Project: (2005-2006)
Hydrogen Technologies Transfer Project European Leonardo da Vinci Programme

Curricula design and elaboration of training contents validated on an international scale focused on hydrogen-based technologies and fuel cells.

10 partners from five European Countries: plus participation of public and private entities

Spain: San Vito Foundation (Promoter), San Jorge University and Foundation for the Development of New Hydrogen Technologies in Aragón.

Austria: Graz Energy Agency and EcoAustria

Germany: Kolping-Bildungswerk and Walter Bildungszentrum

England: Wales University

Italy: Environment Park and Italian Hydrogen Association

New emerging professional profile: technician for fuel cell installation and maintenance

Purpose and methods: the professional training for improving the innovation process and the competitiveness in order to develop new job opportunities.

Start up: September 2006

Duration: 24 months



