

HYFACTS

(256823)

Programme Review Day 2012
Brussels, 28 & 29 November 2012

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General Overview

- Project full title: **Identification, Preparation and Dissemination of Hydrogen Safety Facts to Regulators and Public Safety Officials**
- Duration: 2,5 years
- Budget: 1.04 M€
- Partners:
 - TÜV SÜD Akademie GmbH (leader) (D)
 - Air Liquide (F)
 - CCS Global Group (GB)
 - FAST/EHA (IT)
 - HSL (GB)
 - University of Ulster (GB)

- Develop modular material for training of regulators and safety officials
 - Focus on hydrogen safety approaches and standards
 - Main target : safety auditors and permitting officials
- Develop a vision and road-map for permanent training activities
- Impact will be to shorten approval process for *hydrogen installations*

“The HyFacts project aims to develop and disseminate fully up-to-date contemporary material in the form of customized training packages for regulators and public safety experts providing accurate information on the safe and environmentally friendly use of hydrogen as an energy carrier for stationary and transport applications under real conditions.

The training material will focus on the fundamental aspects of hydrogen safety and on the safety approaches and criteria developed in standards and according to which hydrogen systems are engineered for the safe use of hydrogen under all circumstances.”

Deliverables and Milestones

- M1: Kick off meeting (done)
- M2: Steering Group meeting 1 (done)
- D2.1: Outline of content for teaching material (done)
- M3: SG meeting 2 (done)
- D3.1: Database of contacts and training facilities (done)
- D3.2: Online questionnaire (done)
- D5.1 Project website online (done)
- D5.1: Map of existing training activities (done)
- D4.1: Draft teaching material outline (done)
- D3.4: Report on existing training material (pending)
- M7: First short course (Sept 2012, MUC)
- M9: Second short course (Jan 2013, Belfast)
- M10: Third short course (M29)
- D4.3: Final training package (M30)

Alignment to MAIP

MAIP (page 17):

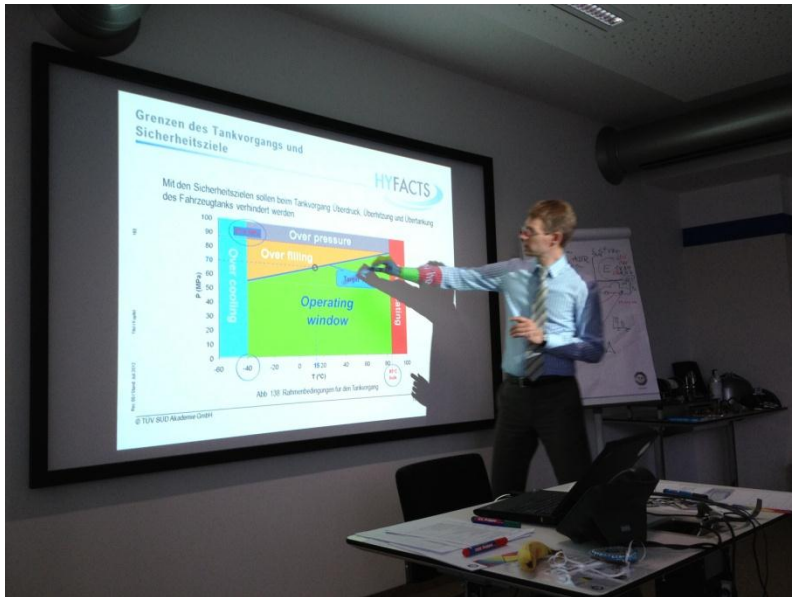
In order to create the human resource base required by a growing industry, educational activities should be undertaken developing training programmes at all levels, in particular for specific target groups such as regulators and technical project managers.

Relation with MAIP targets and Achievements

- Cross cutting issues – Education and awareness
- Supporting deployment in the four Application Areas (Infrastructure, Production & Distribution, Stationary and early markets)
- Achievements to date
 - First set of teaching material has been prepared
 - First short course has been held on 11/12.Sept 2012 in Munich at TÜV SÜD Akademie with 11 participants from German authorities
 - Extensive feedback forms have been completed and evaluated for further improvement of the teaching material
 - Preparation of the second short course (Jan 2013, Belfast) in progress
 - Improvement of material in progress

Cross-cutting issues

- The project addresses and contributes to :
 - Training and Education: YES (directly)
 - Safety, Regulations, Codes and Standards: YES (indirectly)
 - Dissemination & public awareness: YES (directly)



The participants of the first short course

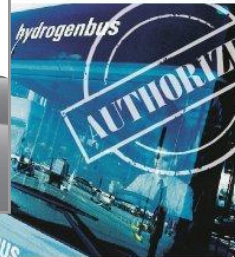
Tom Elliger teaching in the first short course in Munich at TÜV SÜD Akademie

Dissemination



HYFACTS provides
identification - preparation - dissemination
of hydrogen safety facts to regulators and public safety officials

www.hyfacts.eu



Why we are here

Fuel Cells and Hydrogen technologies are relatively new to the public as well as to institutions which are dealing with issues such as building regulations, local regulations, public safety and permission of authorizations.

There is a clear need to supply information on hydrogen and fuel cell know-how to ease the approval for a hydrogen installation and the allowance to use hydrogen applications such as cars, busses or forklifts in public spaces.

HYFACTS fills in these information gaps

What we do

HYFACTS is funded by the European Fuel Cell and Hydrogen Joint Undertaking with 1,400,000€ funding. The project has 6 project partners and will last two and a half years.

HYFACTS develops and disseminates recognized technical materials on hydrogen safety to prepare regulators and public safety officials via:

Modular Short Courses delivered face to face by keynote speakers

Training Packages delivered via our website.

Sign up for a course now on hyfact.eu

Who we target

The project addresses various audiences that need to be trained to facilitate the commercialization of hydrogen and its related systems.

In particular we help officials involved in the installation of hydrogen-related systems in public areas, companies, universities, research centres, fairgrounds and harbour sites

Contact us today!

info@hyfacts.eu

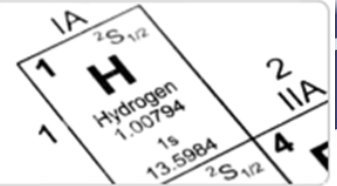
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Dissemination

HYFACTS

Identification, Preparation and
Dissemination of Hydrogen Safety
Facts to Regulators and Public
Safety Officials



Home

HyFACTS project

Training Materials

Education-Training

RCS

Events

Links

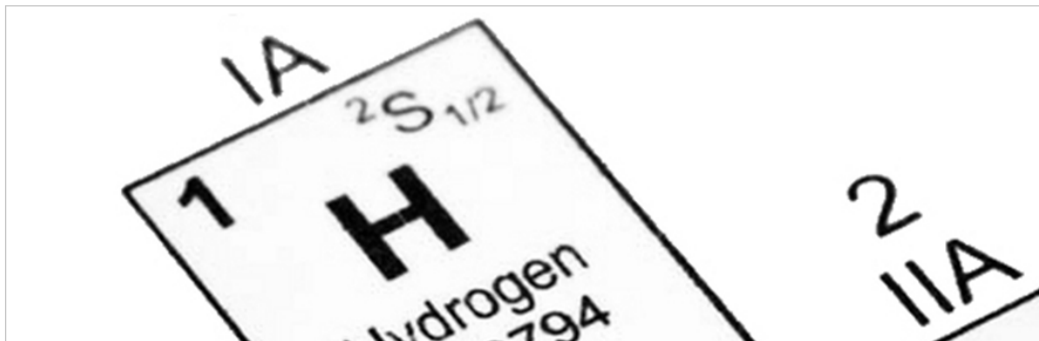
Contact Us

Members Zone

Welcome to the HyFacts project's website.

HyFacts is an EU-funded project aiming to develop training material on hydrogen safety for Regulators and Public Safety Officials, which are responsible persons and work for entities, having to position themselves in the increasing number of upcoming installation of hydrogen-related technologies. The training material will focus on the fundamental aspects of hydrogen safety and on the safety approaches and criteria developed in standards and according to which hydrogen systems are engineered for the safe use of hydrogen under all circumstances.

!! NEW !! The registration for the second HyFACTS Short Course is now open. See more at [Second HyFacts Short Course](#).



Dissemination

2011:

- H2 FC Exhibition, Hannover Fair 4 Presentations during technical forums – Apr 4-8 (Germany)
- Regional Meeting on future demonstration projects – June 13 (Italy)
- H2 IT conference – June 19 (Italy)
- International Conference on Hydrogen Production – June 22 (Greece)
- World Hydrogen Technologies Conference – Sept 16 (Scotland)
- KlimaMobility and Eco Dolomites – Sept 18-23 (Italy)
- F-cell Stuttgart presentation by TÜV SÜD – Sept 27 (Germany)
- Workshop of the Hungarian Hydrogen Association – Sept 29 (Hungary)
- 18th Symposium on renewable Energies and Hydrogen Technologies – Nov 3-5 (Germany)
- Portuguese 4th International Seminar on Advances in Hydrogen Energy – Nov 10-11 (Portugal)
- European Energy Regulators 4th Internal Workshop on 3rd Package Implementation – Nov 24 (Belgium)
- 3rd Polish Forum for Hydrogen and Fuel Cell Technologies- Nov 30 (Poland)

Dissemination

2012:

- Bretagne Pole Hydrogène, Poitiers, February 3 (France)
- Hannover Fair , H2 and FC Group Exhibit, April 23 (Germany)
- EU Sustainable Energy Week, Let Hydrogen Move you. June 21(Belgium)
- SFHC Annual Conference, Inverness, September 27 (UK)
- Latvian Hydrogen Conference, Riga, October 4 (Latvia)
- IPHE Education Workshop, Seville, November 13 (Spain)
- Iberian Hydrogen Conference, Lisbon, November 30 (Portugal)

Cooperation and future perspectives

- Technology Transfer / Collaborations:
 - *A cooperation with TrainHy and HyProfessionals was analysed but not realised*
- Project Future Perspectives:
 - After the project, the teaching material will be used for teaching by various institutions.
 - A possible follow-up could be to develop training material for specific issues like
 - “Hydrogen refuelling stations”
 - “Decentralized Hydrogen production and storage”
 - “Hydrogen knowledge for first responders”
 - Possibility to expand the visibility of HyFacts over the borders of Europe as “guideline” for international cooperations

Thank you!

For more information, please visit our website:

www.hyfacts.eu

or contact the coordinator:

coordinator@hyfacts.eu

