

Development of H₂ Safety Expert Groups and due diligence tools for public awareness and trust in hydrogen technologies and applications



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Partner: FAST

Status: F

(D-Draft, FD-Final Draft, F-Final)

Dissemination level: PU

(PU-Public, RE-Restricted, CO-Confidential)



EXECUTIVE SUMMARY

The objective of the demo, conference and trade fair kit is to create an awareness of the project and showing the project results in a format that the partners can easily exploit in different events, conferences, online and in written and electronic communications. FAST has developed the kit (brochure, banner, presentation and a video targeting the public). The dissemination book is developed; the task led by MATGAS. The brochure and banner are made available to the partners in an electronic format, which the partners can print at their own premises. All the materials are available on H2TRUST website.



Figure 1 H2TRUST banner

Free Online Web Portal

- ➊ Easily accessible knowledge base on H₂ safety
- ➋ Validated H₂ diligence safety and risk assessment tool
- ➌ European H₂ safety forum for stakeholders and experts

Useful for:

- ➔ RCS professionals
- ➔ Industry users / Regulators
- ➔ Future funding programs
- ➔ Educators
- ➔ Health and Safety workers
- ➔ General public / Media



Contact

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Partners



Coordinator:


Third Party:


H₂TRUST

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H₂ Safety Expert Groups
 and due diligence tools for
public awareness and trust
 in hydrogen technologies
 and applications





About H₂TRUST

H₂TRUST is a safety project designed by a team of European FCH industry leaders to foster a smooth and well managed transition to full scale commercialisation of FCH applications in Europe and, from a safety perspective, to aid the process by which all industry stakeholders are informed, prepared and confident.

H₂TRUST shall help assure mechanisms are in place to inform all stakeholders, including the general public, adequately about H₂ related safety issues.

H₂TRUST project aims to ensure that non-technical barriers to the deployment of Fuel Cell and Hydrogen (FCH) technologies are properly addressed.


The H₂TRUST general objective is targeted at increasing and securing trust within European society that all the necessary work has been and is being done to guarantee the maximum level of safety for an accelerated deployment of the hydrogen economy in Europe.


Objectives

- ➊ Assess industry efforts to assure FCH technology is safe and that there is an adequate regulation, hazard awareness, incident readiness and ability to respond to public concerns.
- ➋ Identify hazards and risks in the FCH industry in each of the main application areas (Hydrogen Production, storage and distribution, vehicles, non-vehicles and power generation and RCS).
- ➌ Systematically map safety issues and assess how they are addressed.
- ➍ Compile information demonstrating safety due diligence and best practices.
- ➎ Seek input from previous, on-going and upcoming Fuel Cells and Hydrogen Joint Undertaking (FCH JU) projects and from similar international activities).
- ➏ Make recommendations for further safety efforts by FCH community.
- ➐ Develop communication networks to manage public reaction to incidents and give documented responses.

Methodology

- ↓ **Research:** analytical framework
- ↓ **Analysis and Recommendations:** Stakeholders' data collection + Literature research = Report + recommendations
- ↓ **Dissemination and advocacy**






H₂TRUST is a Coordination and Support Action project supported by the Fuel Cells and Hydrogen Joint Undertaking (FCH JU) 

Figure 2 H₂TRUST triptych brochure



Figure 3 H2TRUST dissemination book (cover)