EHSP
EUROPEAN HYDROGEN SAFETY PANEL

ehsp.eu

Promoting hydrogen safety knowledge for a sustainable and safe energy transition

The **Clean Hydrogen Partnership** drives **research and innovation** to scale up a **safe, sustainable, and competitive** European **hydrogen value chain**, enabling **innovative solutions** to reach the market efficiently.
Within this framework, the European Hydrogen Safety Panel (EHSP) serves as an **independent knowledge hub** of leading experts.

The European Hydrogen Safety Panel provides the **Clean Hydrogen Partnership** with **independent technical advice, risk assessments**, and **educational resources** at both project and programme levels, ensuring that **safety** is rigorously managed as **hydrogen energy** expands across Europe.

Co-funded by the European Union

Clean Hydrogen Partnership

Support Clean Hydrogen JU Projects
Through expert reviews, guidance, and risk mitigation strategies

Enhance Safety Standards & Regulations
Contribute to EU policies and align with evolving regulatory frameworks

Develop Data-Driven Risk Management
Expand and analyze the European Hydrogen Incident and Accident Database (HIAD)

Enable Safe Market Deployment of Hydrogen Technologies
Address risks in hydrogen production, storage, transport, and applications

Engage Stakeholders & Strengthen Safety Culture
Conduct training, workshops, and educational initiatives for project developers, first responders, and industry leaders

The work is divided between 4 Tasks:

T1
Project Level
Improving hydrogen safety in Clean Hydrogen Partnership projects

T2
Programme Level
Strengthening hydrogen safety across Clean Hydrogen Partnership programs

T3
Data Collection and Assessment
Expanding the European Hydrogen Incident and Accident Database (HIAD)

T4
Communication
Raising awareness and strengthening stakeholder engagement

The European Hydrogen Safety Panel (EHSP)

20 Expert from **13 countries**

+100 Safety plans reviews **since 2021**

+1000 Evaluated H2 related incidents

Practical guidelines for H2 Projects Leaders and Managers

Practical guidelines

Statistics, lessons learnt and recommendations from HIAD analysis

Hydrogen Safety Regulations, Codes, and Standards

Guidance for the Safety Planning and Management in EU H2 projects

EHSP Guidance on Hydrogen Safety Engineering