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INSPIRE

NEWSLETTER #2

September 2026

INSPIRE moves from planning to implementation!

Following the successful completion of the project's initial activities, INSPIRE has entered a new phase focused on **implementation** and **validation**.

Building on the needs identified by **industry stakeholders** and the development of the project methodology, partners have designed and tested **innovative training resources** that address the emerging competence requirements for **hydrogen pipeline welding inspection**.

This important **milestone** reflects the project's commitment to supporting the **safe deployment of hydrogen infrastructure** by providing vocational education and training that is aligned with **evolving industrial needs**.

Through collaborative development, pilot implementation and continuous improvement,



INSPIRE is laying the foundations for **future training opportunities** that will help prepare **welding inspection professionals** for the **hydrogen economy**.

[Website](#)

[Consortium](#)

A new modular training programme for Hydrogen Pipeline Welding Inspection

The transition towards hydrogen as a **clean energy carrier** is creating new technical challenges for welding inspection professionals.

Existing **qualification schemes** provide a strong foundation, but **additional competences** are required to address the specific characteristics of hydrogen infrastructure, including material behaviour, inspection techniques and safety considerations.

[Get to Know More](#)

[Explore the H₂ CUs](#)

Pilot training completed across Europe

The newly developed **Competence Units** have now been successfully piloted in three European countries, allowing the consortium to **validate both the technical content and the training methodology** under real learning conditions.

The **pilot activities** brought together professionals from the welding inspection sector, providing valuable opportunities to **evaluate the relevance, clarity and applicability** of the developed training materials. Trainers and participants actively contributed to the validation process by sharing **practical feedback** and **recommendations** for further improvement.

[Explore the Pilot Findings](#)

[Project Results](#)

What did we Learn from the pilot training across Europe?

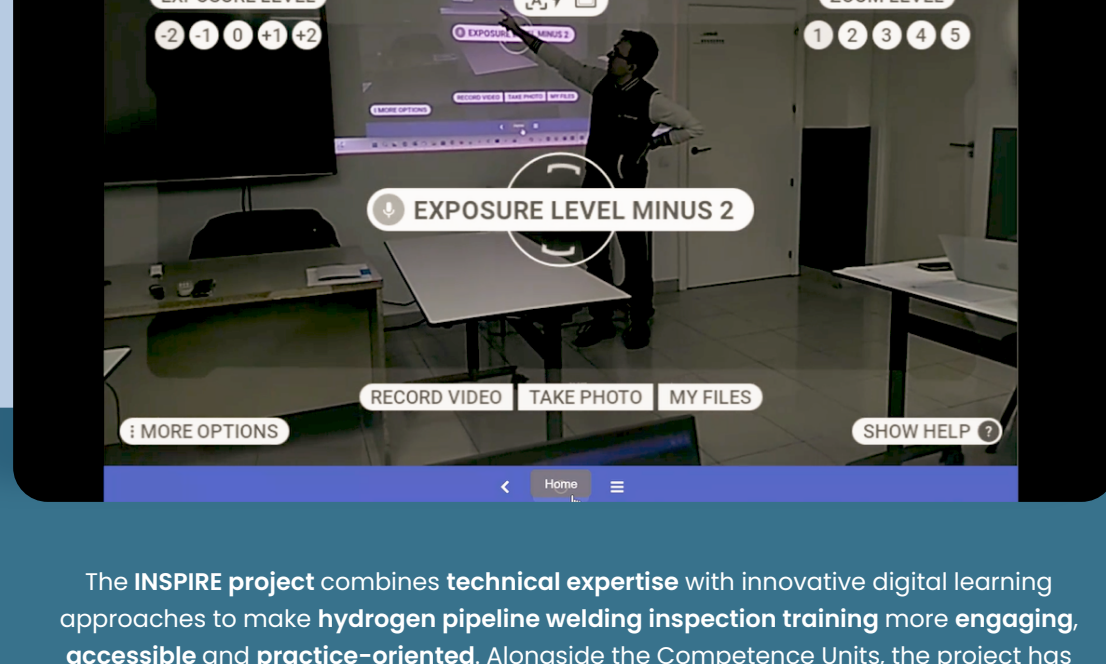
The pilot implementation confirmed the relevance of **hydrogen-specific competences for welding inspection professionals**. Participants particularly appreciated the practical orientation of the training and recognised the importance of addressing the specific challenges associated with **hydrogen transport infrastructure**.

The **modular structure of the Competence Units** was also positively evaluated, offering flexibility for integration into existing vocational education and professional training programmes.

The pilots also provided valuable recommendations regarding **technical depth, learning sequence** and **supporting materials**.

These suggestions have been carefully analysed by the consortium and incorporated into the refinement of the final training resources, ensuring that the INSPIRE framework **responds effectively to both industrial needs and learner expectations**.

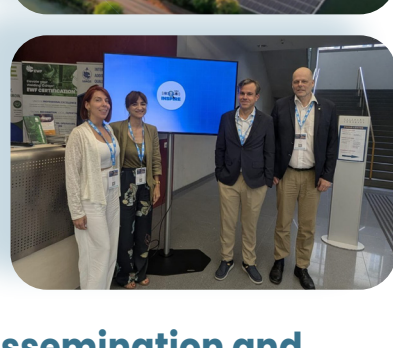
Digital Learning and Augmented Reality for Safer Hydrogen Infrastructures



The INSPIRE project combines **technical expertise** with innovative digital learning approaches to make **hydrogen pipeline welding inspection training** more **engaging, accessible and practice-oriented**. Alongside the Competence Units, the project has developed **Augmented Reality (AR)** learning resources that allow learners to explore inspection scenarios in an interactive environment.

[Read More](#)

Our Project Relevant Events



INSPIRE in Action Across Europe: Validation, Dissemination and Collaboration

INSPIRE continues to engage with the **European welding and vocational education community** through **pilot implementation, dissemination activities** and participation in **international events**.

During the past months, the consortium has shared project progress with **industry stakeholders**, validated the newly developed **Competence Units** through pilot courses in **three countries** and promoted the project's innovative approach to **hydrogen pipeline welding inspection** through conferences and online communication channels.

As the project moves towards its **final phase**, dissemination activities will continue to support the **uptake and long-term exploitation** of the INSPIRE training framework.

[Pilot courses](#)

[33rd International Welding Conference](#)

[IIW International Conference 2026](#)



INSPIRE: Looking Ahead - Join the INSPIRE Community

As INSPIRE enters its **final project phase**, the consortium is preparing a series of **dissemination events** that will bring the project's **results** closer to the **European welding and vocational education community**.

[Read More](#)

[INSPIRE Final Conference](#)



INSPIRE in numbers



6
Project
Partners



5
European
Countries



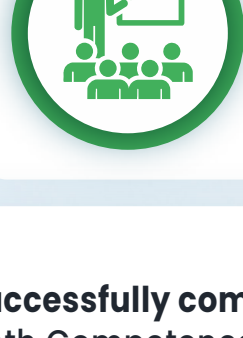
2
Hydrogen
Competence
Units



3
Pilot
Courses



97
Professionals
Trained



6
Trainers Trained
(Train-the-Trainers)



83.5% Successfully completed
both Competence Units

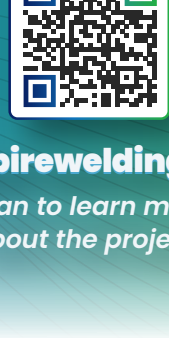


216%
of the original
participant target
achieved

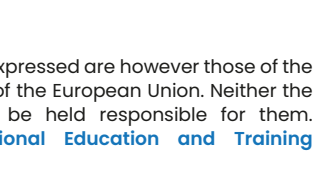
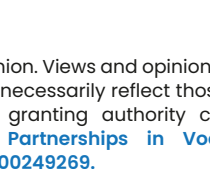
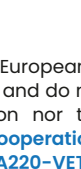


97
participants
vs target of 45

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[inspirewelding.eu](#)
Scan to learn more
about the project!



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