

# Pre-normative Research on Integrity Assessment Protocols of Gas Pipes Repurposed to Hydrogen and Mitigation Guidelines

## About the project

PilgrHYM is an ambitious R&D project that aims to establish a pre-normative framework supporting the development of a European standard for the readiness and compatibility of existing natural gas pipelines for the transport of H<sub>2</sub>.

## Objectives

PilgrHYM's ultimate goal is to provide quantified data on more than 70% of the EU grid and refine existing norms, codes, and standards by reducing over-conservatism and ensuring the safety and reliability of flaw assessment methodologies.



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### Aim

- Provide quantified data on more than 70% of the EU grid
- Conduct a comprehensive testing program on small-scale laboratory specimens
- Refine existing norms, codes, and standards



### How

Review of selected specimens by TSOs to address:

- safety concerns, lack of regulations, codes, and standards
- research gaps related to the compatibility of current pipelines with hydrogen

# 8

BASE MATERIALS

# 2

WELDS

# 2

HEAT-AFFECTED ZONES

