TH₂ICINO

Towards H₂ydrogen Integrated eConomies In NOrthern Italy



Administrative boundaries: © EuroGeographics © UN-FAD © Turkstat Cartography: Eurostat - IMAGE, 03/2025

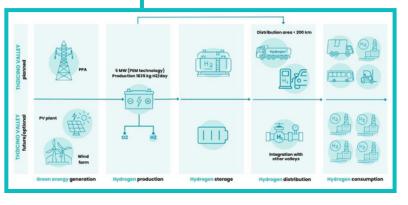
H₂ Production Solution Solution H₂ production H₂ production H₂ Storage and distribution CGH₂ aboveground storage H₂ end uses Transport Long-haul trucks

TH₂ICINO

http://th2icino.eu

Finances





PROJECT TIMELINE Phase Project concept developed Phase Feasibility study ongoing Phase Pre-FID development Phase Post-FID 5 development Phase Under construction TH_aICINO aims at creating and demonstrating a In operation

TH₂ICINO aims at creating and demonstrating a comprehensive ecosystem comprising six replicable use cases, each corresponding to a stage in the hydrogen value chain. The project's outcomes will involve the validation and testing of a Master Planning Tool (MPT). The project's primary focus is to establish a hydrogen valley in northern Italy, concentrating on four key areas of the hydrogen value chain: hydrogen production, storage, distribution and consumption.

PROGRESS, MAIN ACHIEVEMENTS AND RESULTS

COMMUNICATION AND DISSEMINATION

 A dissemination and communication strategy has been prepared, to engage stakeholders, raise awareness about hydrogen technologies, and disseminate project updates; materials such as brochures, flyers, social media content and newsletters.

SAFETY AND RISK ASSESSMENT

- Initial steps have been taken to outline the hydrogen safety planning framework, ensuring adherence to stringent safety standards and protocols throughout the project lifecycle.
- Safety protocols and risk assessment procedures have been developed to mitigate potential hazards associated with hydrogen production, storage, and transportation.

MODELLING

 The modelling phase for the extended valley has begun, aiming to simulate and optimize various aspects of the hydrogen ecosystem, including production, distribution, and utilization.

FUTURE STEPS AND PLANS

 Continuing collaboration with off-takers (started March 2024) to refine project strategies and align objectives with off-taker. Engaging with off-takers will enable the refinement of project strategies, alignment of objectives, and validation of technological solutions tailored to meet endusers' needs.

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