

# Project Partners



Discover more about TH<sub>2</sub>ICINO

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Towards H<sub>2</sub>ydrogen  
Integrated eEconomies  
In NOrthern Italy



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# The project

**TH2ICINO** paves the way for the deployment of micro hydrogen economies by conceptualizing and demonstrating **an ecosystem, comprised of six replicable use cases:**

1. **Renewable Hydrogen Production**
2. **Transport via pipeline**
3. **Transport via tube trailers**
4. **Hydrogen Refueling Station**
5. **Direct refueling from the tube**
6. **Retrofitting of some airport ground units**

The implementation of the use cases will serve as a validation mechanism for a Master Planning Tool (**MPT**), which will be designed to offer support in the techno-economic development of Hydrogen Valleys across the EU.

## TH2ICINO in numbers



**Duration**  
1/09/2023 – 31/08/2027



**Partners**  
9 from 4 EU countries



**Budget**  
18,5 M€



**EU contribution**  
7,4 M€

# Objectives & Impacts

TH2ICINO will demonstrate a hydrogen ecosystem at the heart of **Malpensa Airport** to foster sector coupling with the surrounding area, creating synergies among strategic players of the energy transition such as airports, hard-to-abate mobility and industries of Varese, towards net-zero.



500 t/y of  
Renewable  
Hydrogen

**CLEAN ENERGY**



Decarbonize  
at least 2  
segments

**DIVERSIFICATION**



1500 cars'  
CO2-yearly  
emissions savings

**AIR QUALITY**



“Hydrogen  
Airport” Testbed  
for innovative  
solution

**LEARNING**



## Expected results

**A thriving robust hydrogen ecosystem**

A network able to increase capacity and extend its boundaries.

**Master Planning Tool for H2 valleys**

Introducing a cutting-edge tool to multiply the number of successful H2 valleys across Europe.

**Innovative business models**

Innovative and adaptive models tailored to the evolving hydrogen market landscape.

**Training and insights**

Valuable insights from real-world retrofitting experiences.