

48 months from September 2023 to August 2027



19 partners from France, Germany, Greece, Italy, Spain, Sweden and Switzerland



The project is co-funded by the European Commission with nearly €10 million



2 pilot sites in Valencia and Thessaloniki to demonstrate the value chains based on e-methanol as fuel for shipping

PARTNERS



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Funded by the European Union

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PROPULSION OF SHIPS WITH E-METHANOL IN FAVOUR OF THE DECARBONISATION OF NAVAL TRANSPORT



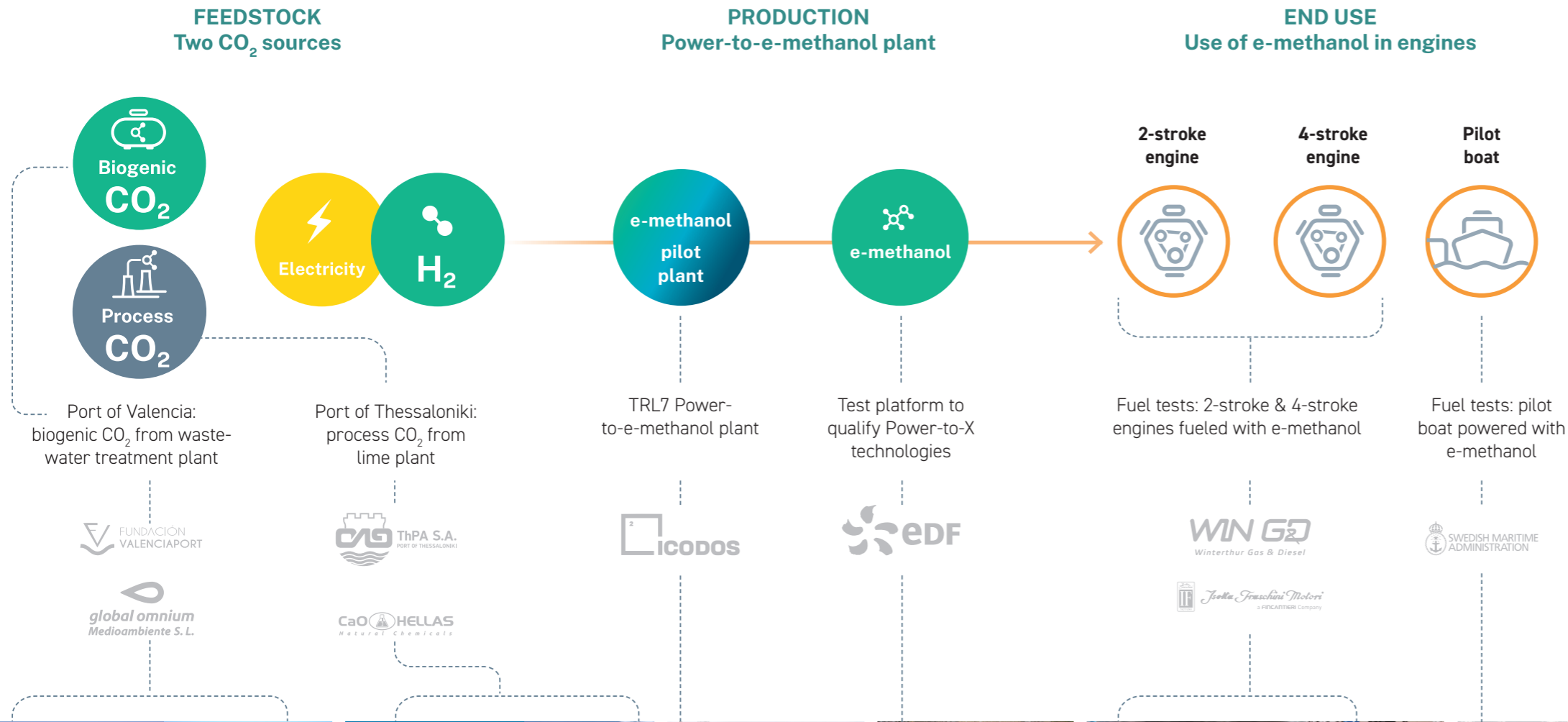
PROJECT GOAL & OBJECTIVES

The overall goal of the POSEIDON project is to prepare the future implementation of value chains based on e-methanol as fuel for ships in the ports of Valencia and Thessaloniki.

MAIN OBJECTIVES ARE:

1. Build and test an innovative e-methanol pilot plant at technology readiness level (TRL) 7
2. Establish two communities of practice in Thessaloniki and Valencia
3. Assess the impacts of the value chain implementation through detailed studies
4. Develop an EU roadmap to best deploy renewable and low carbon fuels in the EU maritime sector
5. Promote public acceptance of POSEIDON solutions





EXPECTED IMPACTS

- **Efficient renewable fuel technologies:** more cost efficient and performant technologies for e-methanol production, storage, distribution and end-use based on EU research and innovation
- **Value chain implementation:** two value chains implemented in the ports of Thessaloniki and Valencia based on POSEIDON research outputs
- **Deployment of e-methanol as fuel for vessels:** new built maritime ships equipped with 2-stroke and 4-stroke e-methanol engines
- **Ports as e-methanol hubs:** deployment of an infrastructure for e-methanol production, storage and distribution in the main EU ports
- **Enabling environment:** favourable regulatory framework and new standards for the use of e-methanol onboard ships and the safe production, transport and distribution of renewable fuels in EU
- **Social acceptance:** EU citizens are better informed about the benefits of e-methanol as renewable marine fuel thanks to a targeted communication campaign

