

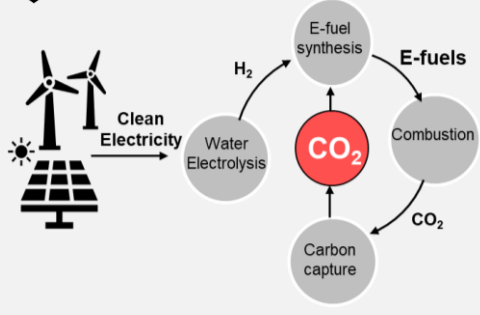
# FutureBridge

## E-Fuels

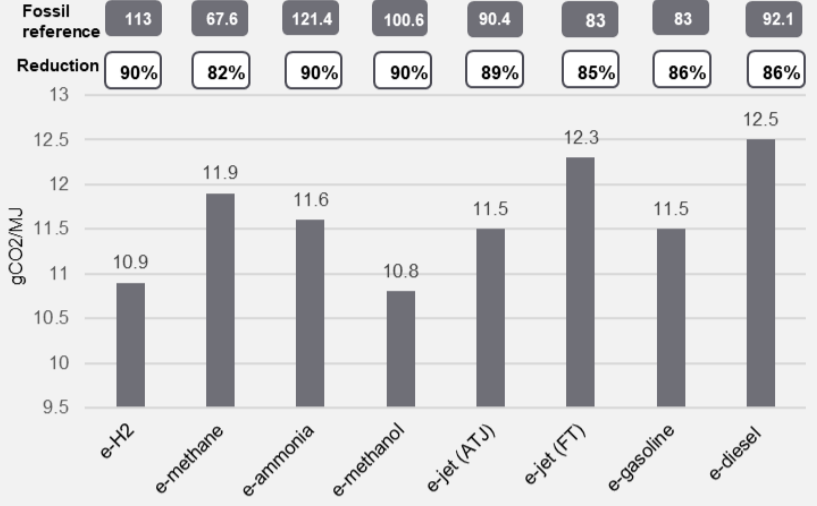
The Sustainable Alternative to Conventional Fuels!

E-fuels redefine the future of sustainable energy, merging green hydrogen and captured CO2 as alternatives to conventional fuels. They are compatible with existing engines and aid in decarbonizing challenging industries for a cleaner future.

**E-fuels significantly reduce CO2 emissions by 80%-90% from cradle-to-gate, leading the way to a greener future.**



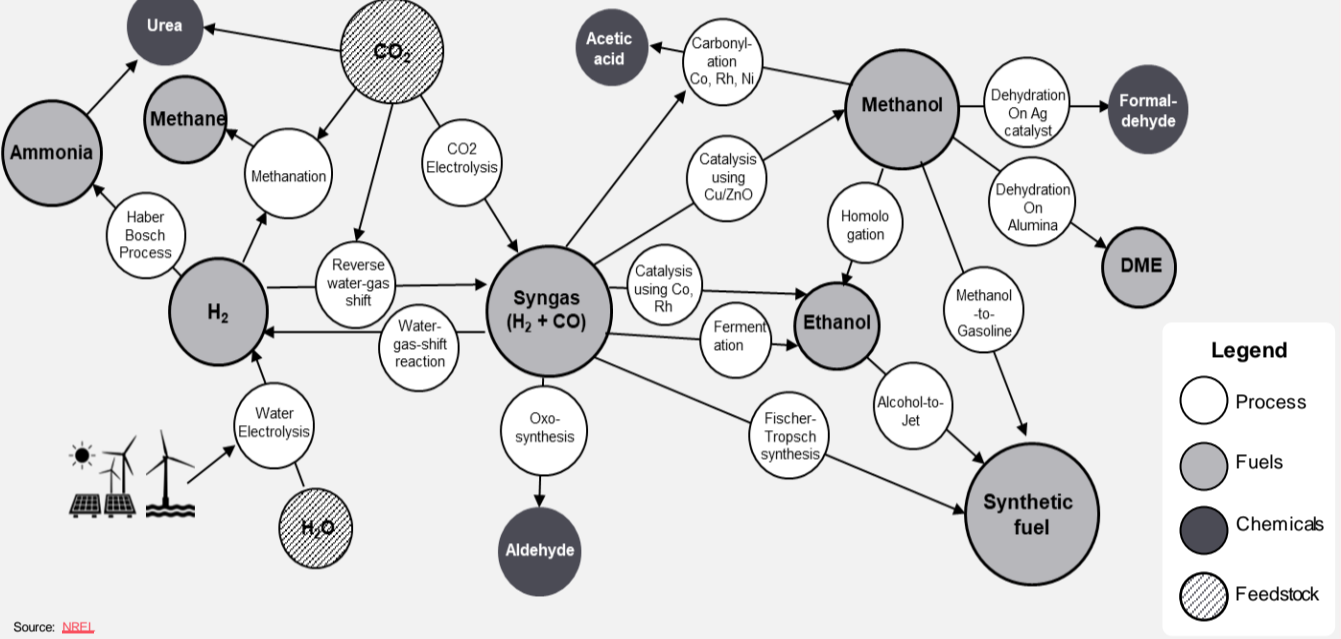
CO2 Abatement Potential: Cradle-to-Gate Analysis of E-fuels versus Fossil Fuels



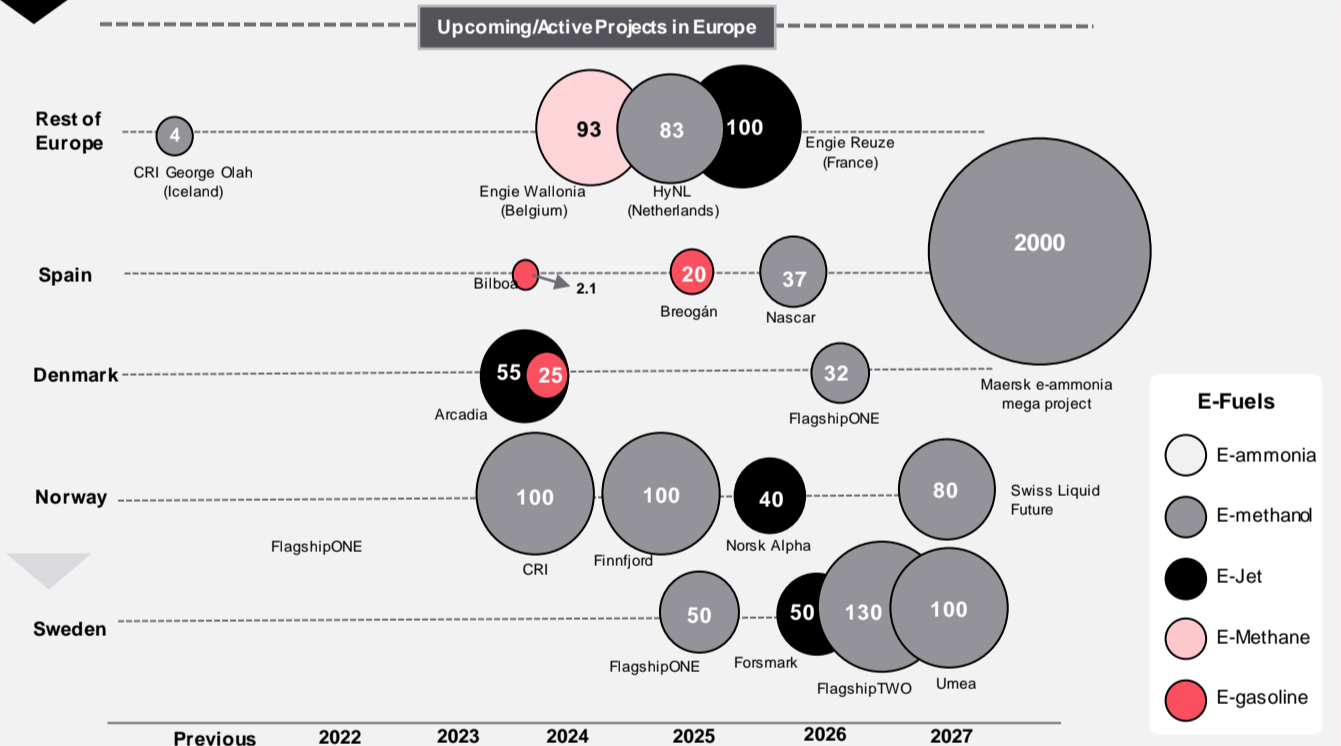
E-fuels are **carbon-neutral fuels** produced by combining green hydrogen and CO2. An **alternative to conventional fuels** it cuts down carbon emissions in transportation sectors.

## E-fuel Types and Production Pathways

The ecosystem of e-fuels operates as a complex and interconnected system, encompassing diverse processes that enable the production of multiple clean fuels and chemicals using only water, CO2, and electricity.

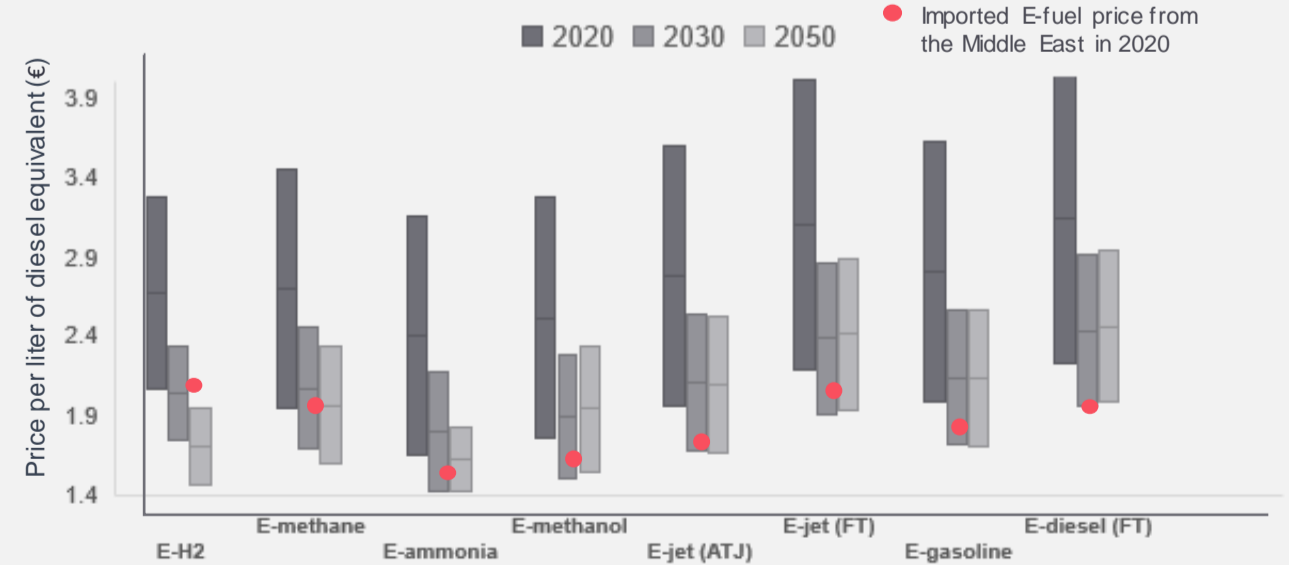


## Europe: A Hotspot for Commercial-Scale E-fuel Projects



## Competitive Pricing and Future Cost Predictions of E-fuels

E-fuels in Europe's southern region benefit from lower production costs due to abundant renewables, creating price competitiveness comparable to Middle East imports. As the industry progresses, prices are anticipated to decline further over time.



## Conclusion

- E-fuels provide a **renewable** and **carbon-neutral** alternative to traditional fossil fuels, helping to **lower the carbon footprint** and reduce greenhouse gas emissions
- Europe** is a prominent **hub for commercial-scale e-fuel projects**, driven by ambitious carbon reduction targets and strong policy support
- Advancements in **technology** and **economies of scale** are expected to **decrease e-fuel prices** over time, fostering wider adoption and market competitiveness

## About FutureBridge

FutureBridge tracks and advises on the future of industries from a 1-to-25 year perspective.

We keep you ahead on the technology curve, propel your growth, identify new opportunities, markets and business models, answer your unknowns, and facilitate best-fit solutions and partnerships using our platforms, programs, and access to global ecosystems and players.