



Villa María New Energy

Strategic Insight for the Market Development of E-Fuels Production in Argentina

PROJECT FACTS

Duration:

07/2026 – 02/2027

Country:

Argentina

Partners:

eab New Energy GmbH & SEG Ingenieria

Outputs:

- Critical Feedstock Assessment
- Techno-Economic Assessment of Renewable Energy and Methanol Production
- Market Intelligence and Strategic Positioning for Green Methanol Applications
- Communication and Know-how transfer



PROJECT OVERVIEW

Argentina has a strong opportunity to develop a competitive e-fuels industry by combining abundant renewable energy resources with an established agro-industrial sector that generates large volumes of biogenic CO₂. These emissions can be captured and used as a sustainable carbon feedstock, creating new value from existing industries while supporting decarbonisation.

Building on this potential, the Villa María New Energy Project plans to develop a renewable-based e-methanol facility in Córdoba, integrating wind and solar power, green hydrogen and locally available biogenic CO₂. The project foresees a 200 MW electrolyser, producing around 20,000 tonnes of renewable hydrogen per year, and approximately 110,000 tonnes of green methanol annually for the chemical, maritime and aviation sectors.

Through the H2Uppp public-private partnership, eab New Energy and SEG Ingenieria will examine the key conditions required to advance the initiative. The PPP will assess feedstock availability, renewable energy supply, plant configuration, logistics and export routes, production costs, regulatory and sustainability requirements, and market conditions. By translating Argentina's renewable energy and agro-industrial potential into actionable technical and market intelligence, the PPP will help accelerate the development of a competitive e-fuels industry and strengthen the country's participation in emerging low-carbon value chains.

OBJECTIVES & EXPECTED RESULTS

- Identify demand, off-takers and value chain opportunities for green methanol and hydrogen derivatives.
- Reduce uncertainty for future e-fuels investments through key technical, economic, regulatory and sustainability inputs.
- Position Argentina as a reference case for e-fuels development

ABOUT H2UPPP

H2Uppp paves the way for companies to develop the global green hydrogen market through project identification, project development, support and trade.

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Responsible: Regine Dietz

Contact: h2uppp@giz.de, +49 61 96 79-0

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