



# World scale efuel Production in Chile

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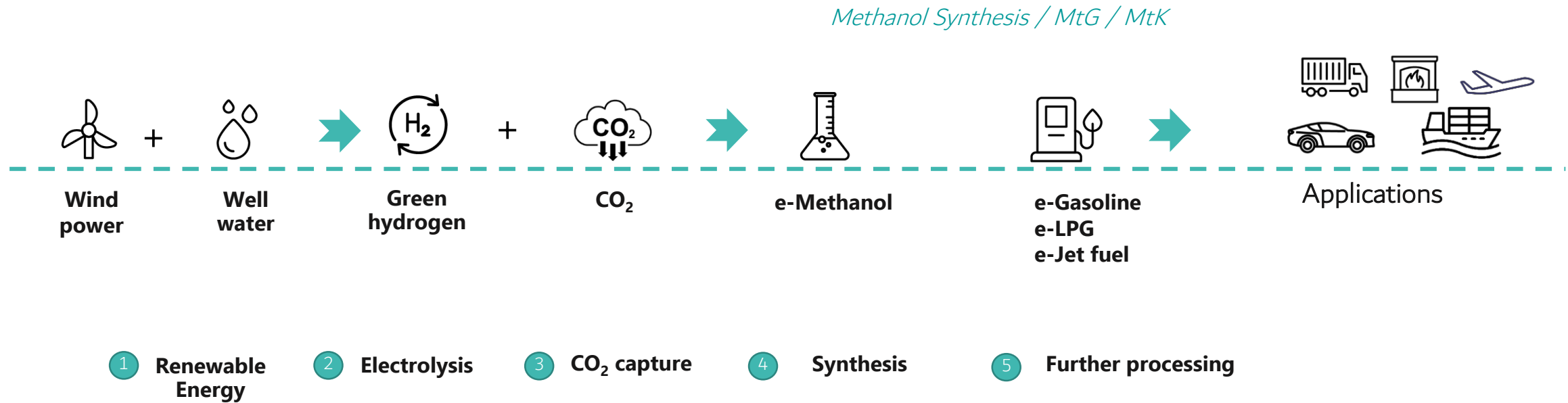
- 1 Introduction to HIF Global
- 2 Project technical and business concept
- 3 HIF Demonstration plant and HIF Global Pipeline



- The world is racing to decarbonize. To achieve net zero by 2050, **electrification alone is not enough**
- Carbon neutral e-fuels allow the world's best quality renewable energy to be packaged, transported to world demand centers and used without changes to existing technology and infrastructure
- HIF Global is seeking to become the **world's first international, industrial scale e-fuels supplier**, producing at least 144,000 barrels per day by 2030
- First mover advantage is critical: first movers will take low-cost production sites with the most competitive renewable energy and reduce capex by repurposing existing fossil infrastructure
- The economics work, long term offtake agreements to secure financeable projects can be closed today, based on proven technology wrapped by credit worthy EPC providers, coupled with low-cost renewables and decarbonization incentives in key markets

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# The e-fuel production process



# e-Fuels applications



**Road transport:** even with aggressive electrification targets, more than 50% of US passenger cars are expected to be Internal Combustion Engine (“ICE”) in 2050<sup>1</sup>. This will be higher in developing countries

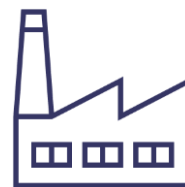


**Shipping:** electrification is not an option for long distance shipping. Companies such as Maersk are positioning for a switch to clean, carbon neutral methanol as a shipping transport fuel<sup>2</sup>



**Aviation:** no clear technology path to move away from liquid fuels in aviation in the medium term. Insufficient supply availability from biofuels alone to meet global demand

**US\$5.9 trillion global oil market to transition to net zero by 2050**



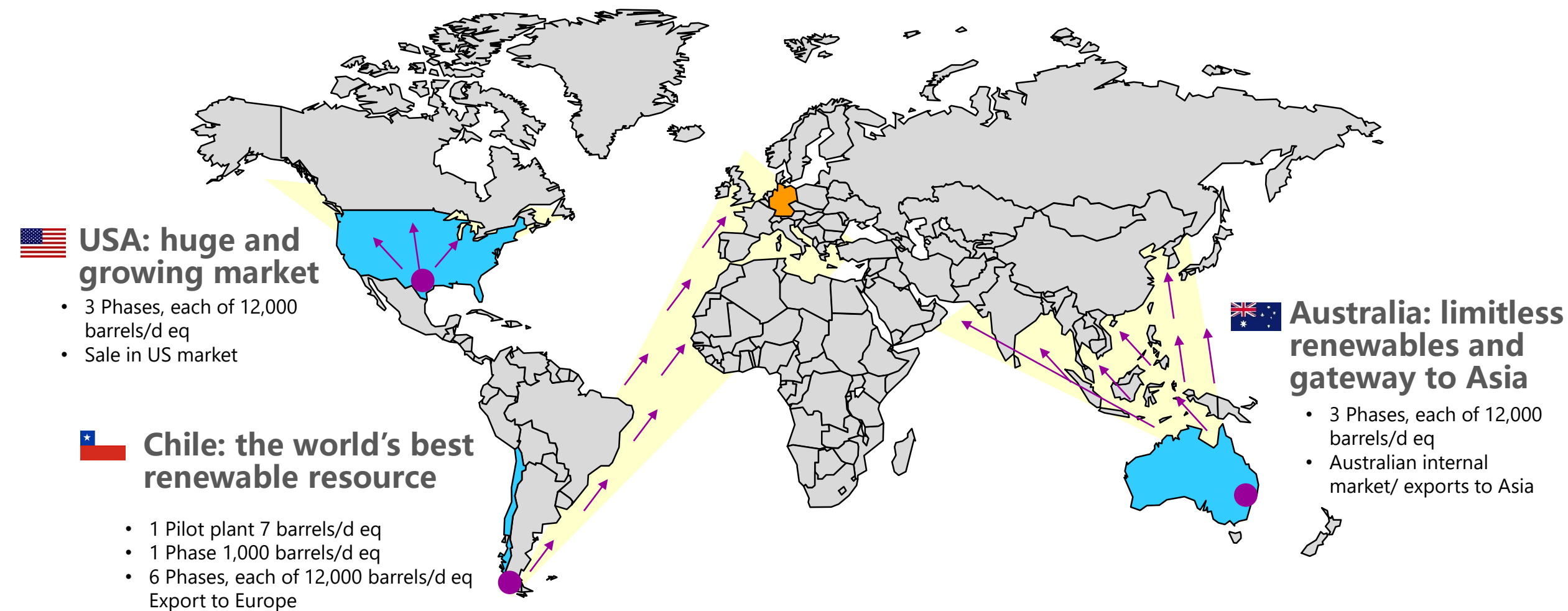
**Petrochemicals:** as pressure to decarbonize increases, solutions will be needed to replace petroleum-based products across the value chain, from plastics to fertilizers with low carbon alternatives

<sup>1</sup>New York Times, 10 March 2021, “*Electric Cars Are Coming. How Long Until They Rule the Road?*”

<sup>2</sup> <https://lloydlist.maritimeintelligence.informa.com/LL1135807/Maersk-to-launch-first-carbon-neutral-ship-within-two-years>

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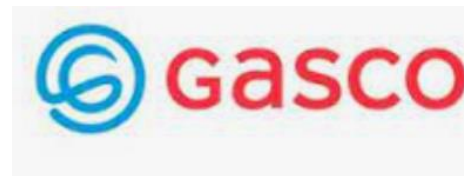
# Global operations to focus on key markets



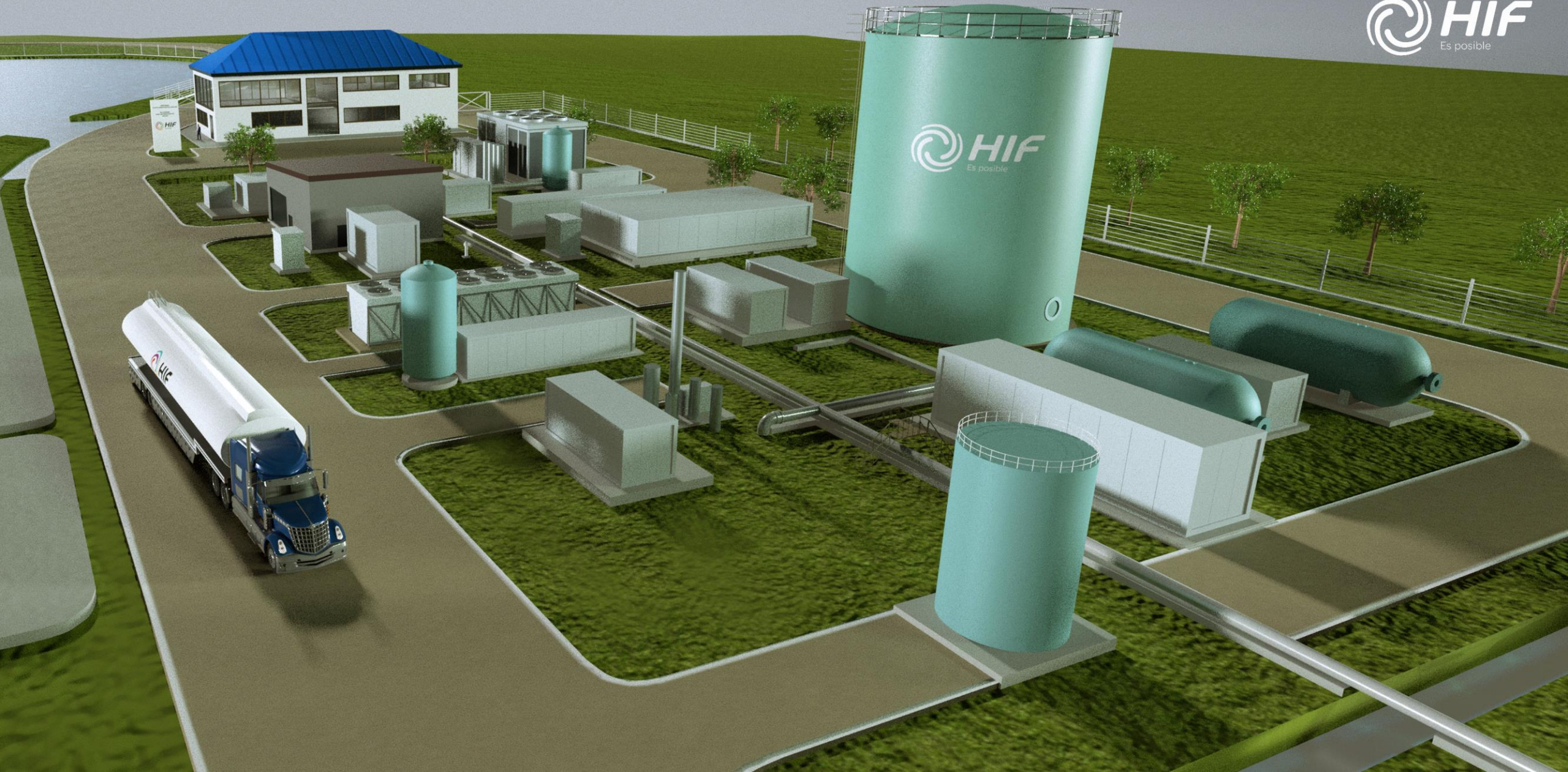
# Demonstration Plant in execution



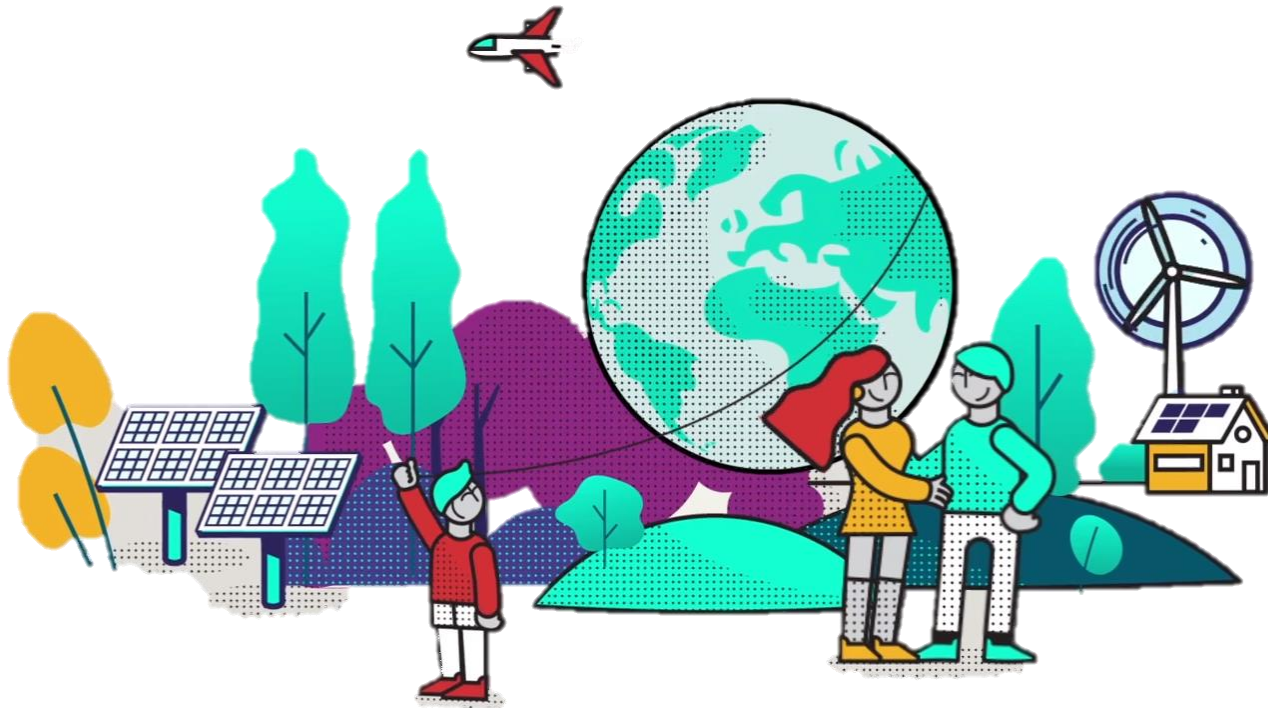
- US\$51 million renewable energy to methanol/gasoline Demonstration Plant already in construction
- Demonstrate the feasibility of production of e-fuels in the Magallanes Region to authorities, communities and stakeholders, potential offtakers and financial institutions
- 100% of the offtake of the Demonstration Plant is contracted to be purchased by Porsche under a 5-year offtake agreement
- Porsche will use the product for high impact promotional purposes (such as Porsche Cup)
- World class project team



PLANTA DEMOSTRATIVA HARU ONI  
PUNTA ARENAS, REGION DE MAGALLANES, CHILE



# Thank You



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