SAF PROJECT OVERVIEW

- **Technology:** Anaerobic digestion of purpose-grown biomass, followed by methanol synthesis and SAF conversion
- **Output:** 117,000 tons SAF/year
- **Land Use:** 20,000 hectares of degraded pastureland (reclaimed and repurposed)
- **Logistics:** Proximity to an existing export terminal enables 11–12 day transit to Europe
- **Technology partners:** Sauter Biogas, Johnson Matthey, Honeywell (proven, commercial process technology)
- **Status:** Finalizing feasibility phase (June 2025)

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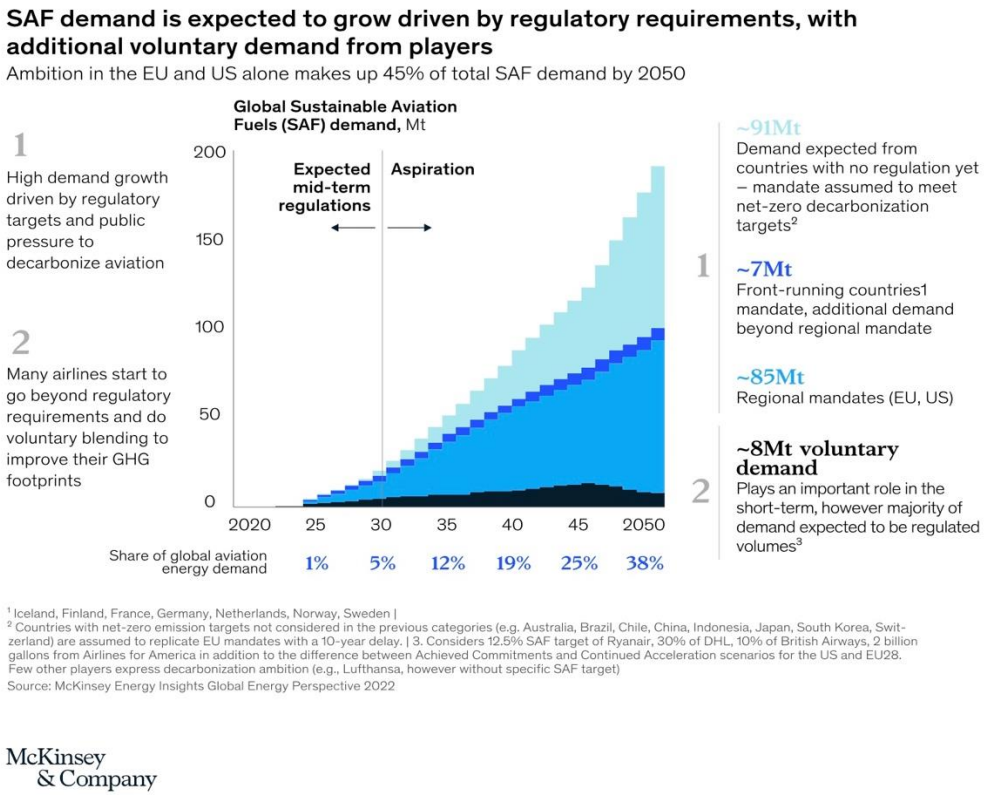
SAF PROJECT STRATEGIC RATIONALE



- **Sustainability Edge:** SAF lifecycle GHG reduction is estimated at 80–95% compared to fossil kerosene. SAF is essential for aviations' decarbonisation journey
- **Strong Market Pull:** EU and global mandates combined with voluntary airline commitments are rapidly expanding SAF demand
- **Demand-Supply Gap:** By 2030, regulators and airlines expect a demand of 17Mt/a, with current capacity (end 2024) of 4.4Mt/a
- **Geographic Advantage:** Brazil's climate, land availability, and policy support enable reliable low-cost biomass production
- **Circular Land Use:** Biomass production converts degraded pasture land into productive use with measurable environmental and social co-benefits

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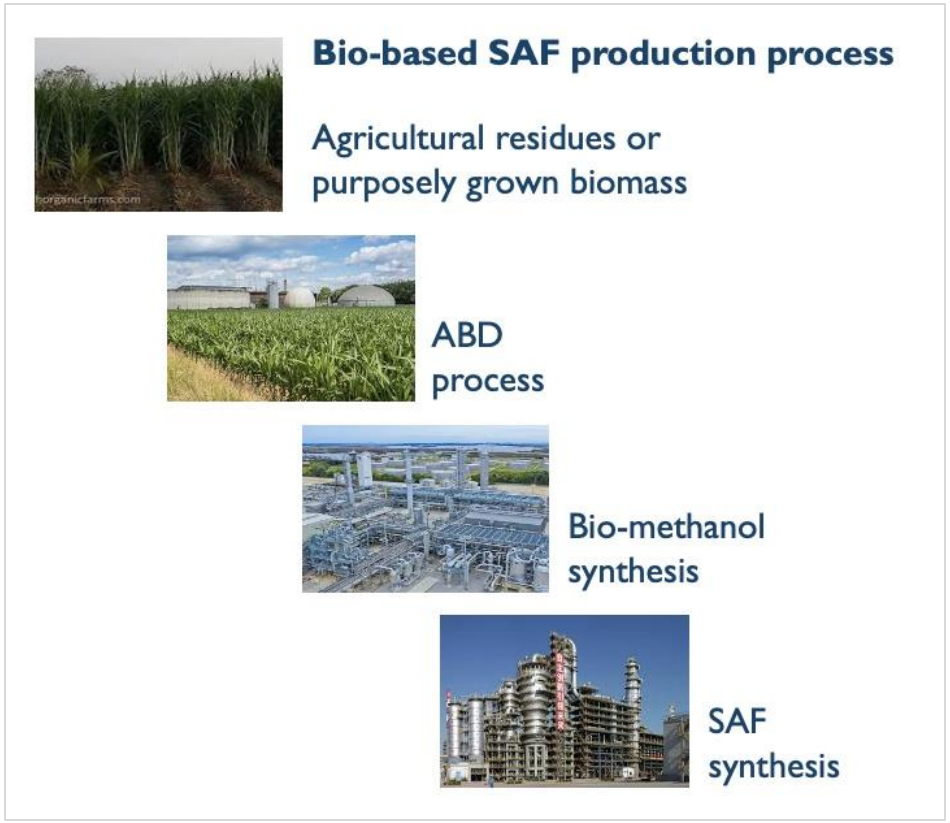
SAF PROJECT COMPETITIVE LANDSCAPE



- **Global SAF Sector**: Dominated by companies, applying HEFA, AtJ, G-FT and most recently PtL production models
- **Current Constraints:** Costly feedstocks (e.g., used oils, ethanol), high CapEx (PtL) and limitations on scaling possibilities prevent meeting mandates for the use of SAF in 2030 and beyond
- **MVAventures' advantages :**
  - Proven anaerobic biodigestion process technology
  - Low-cost, scalable biomass from non-food, non-forest land
  - Lower unit costs than HEFA, AtJ, G-FT and PtL models
  - Fully integrated value chain from land to port
  - Close proximity to the main European markets

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SAF PROJECT IMPACT AND LOCAL BENEFITS

- **Climate Impact:** ~360,000 tons GHG reduction anually
- **Poverty Reduction:** ~300 full-time agricultural and industry jobs (and more in construction phase) in low income region
- **Regenerative Land Use:** 20,000 hectares of degraded pasture land revitalized for sustainable biomass cultivation
- **Tax Revenue:** Stable local and federal tax contributions over a 20+ year operating horizon for a low income region in Brazil
- **Global Leadership:** The Brazilian and Dutch governments are actively pursuing joint initiatives to fight climate change and develop a collaboration model to establish global leadership

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SAF PROJECT INVESTMENT AND ECONOMICS

- **Total Project Investment:** ~$900 million for full development and implementation of the project
- **Revenue Model:** SAF exports under long-term offtake agreements to EU-based airlines/fuel suppliers
- **Cost Competitiveness:** SAF via anaerobic digestion offers higher cost efficiency versus other production models
- **Risk Mitigation:** Controlled biomass supply, established port access, mature process technology
- **Financial Returns:** Project financials indicate a strong NPV and an IRR, supported by attractive SAF pricing outlook and strong policy incentives

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ABOUT MVA VENTURES

Wilson Bricio

Mark van Andel

Francisco Pellegrini

- We initiate, develop and implement **renewable energy projects in Brazil**, leveraging the abundance of natural resources the country is offering
- The three partners share **over 30 years experience** in C-level positions in the process-, supply chain-, transportation-, marine-, aviation, automotive and consulting industries in Brazil and Europe
- We believe in aligning social and environmental impact with sound business practices to **drive profitable and lasting impact** in the communities that we serve

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PROFITABLE IMPACT

AMSTERDAM

SAO PAULO

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