

SAF competitiveness and scale-up

Jimmy Samartzis

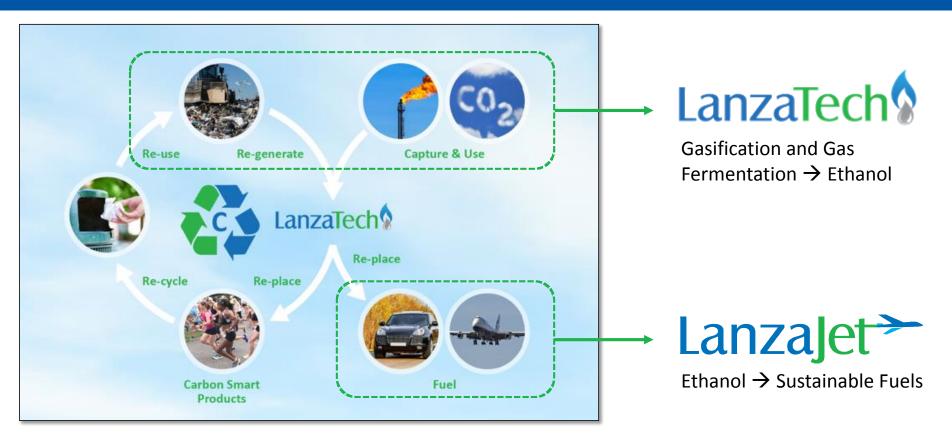
CEO – LanzaJet







We recycle carbon and produce valuable, sustainable fuels and chemicals



De-risking Deployment



Disrupting Feedstock

A flexible feedstock platform, enabling ethanol from any sustainable source to be produced locally and converted at a central facility



Disrupting Technology

A scalable alcohol-to-jet technology capable of producing SAF that **lowers emissions** and reduces contrails

De-risking Commercialization



Disrupting Financing

A dual-tranche financing mechanism to call cash for commercial facilities upon Freedom Pines Fuels success



Disrupting the **Status Quo**

A qualified drop-in fuel with **100** million GPY production operational by ~2025

Founded

LanzaTech founded in

New Zealand with focus on

recycling carbon to produce

valuable fuels and chemicals

ICA0

LanzaJet has been on an intentional development path for 10 years



Partnership with **US Dept of Energy**

LanzaTech partners with Pacific Northwest National Lab (PNNL) to develop alcohol-to-jet technology

ASTM Qualification & First Commercial Flight

Ethanol added as an approved feedstock to ASTM D7566 Annex A5; SPK from LanzaTech ethanol completed all required property and fit for purpose testing. First commercial transatlantic flight using Carbon Capture & Utilization (CCU) SAF.



Launch of LanzaJet, Inc.

Innovative and disruptive structure and financing to accelerate commercialization of sustainable fuel production technology; four refineries planned to be operational by 2025











100M GPY by 2025

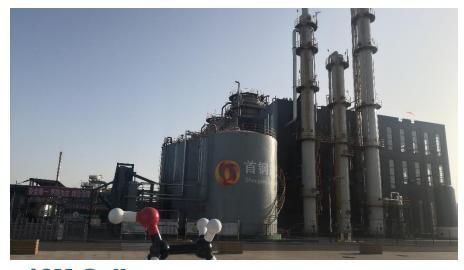


Leverage proven commercialization experience to produce sustainable aviation fuel from ethanol



Feedstock type	Conversion process
Ethanol	Alcohol-to-Jet

Versatile feedstock; Disruptive financing; Scalable technology; Accelerated commercialization



>16M Gallons Ethanol Produced in China





CO₂ reductions per flight

Over **70%***



Level of finance required

Up to **\$120M**



Timeframe

2022 10M GPY

2025 100M GPY



Main challenges

Enabling Policy

*GHG savings relative to conventional jet

Thank You

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