



World's First Commercial Ethanol-to-SAF Plant



Freedom Pines Fuels

Soperton, GA



- The first and only SAF company to have funded and constructed a commercial ethanol-to-SAF biorefinery
- Located in Soperton, GA 100 miles West of Savannah, GA
- Total SAF / RD production of 10M GPY (90% SAF / 10% RD)
- Multiple ethanol feedstocks including sugarcane ethanol, cellulosic ethanol, and wastebased ethanol

Georgia Plant Important to Global, Commercial Deployment

2010-2015



Lab Bench & Pilot

2016-2020



ASTM Approval & Commercial Flights

2025+



Global Technology Deployment

Lab Demo



2014-2016

Commercial Plant



2020-2024

WORLD'S FIRST

LanzaJet Freedom Pines Fuels Construction Exceeded Industry Benchmark

September 2022



Grand Opening Ceremony January 2024





LanzaJet Freedom Pines Fuels and the Soperton community



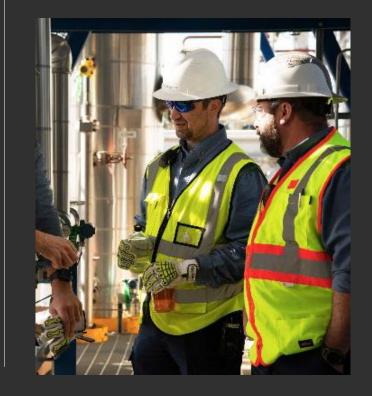






Revitalizing rural America with 250 direct construction jobs at peak construction activity and 60-80 direct and indirect jobs during operation.

Outreach programs to improve community awareness and engagements



Publicly Announced LanzaJet Projects

LanzaJet Publicly Announced Project





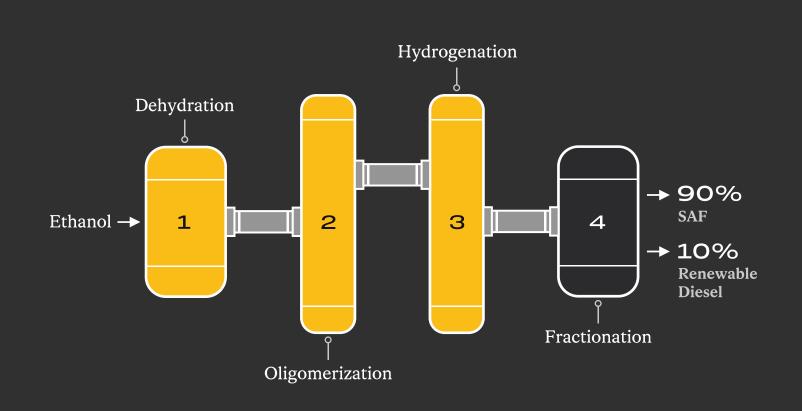
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Someday is now.

ON THE CUTTING EDGE

Ethanol Alcohol-to-Jet (ATJ) Technology

High selectivity to SAF, high carbon conversion, abundant feedstock, and platform versatility



30B gallons of ethanol available today (140 million MTA)

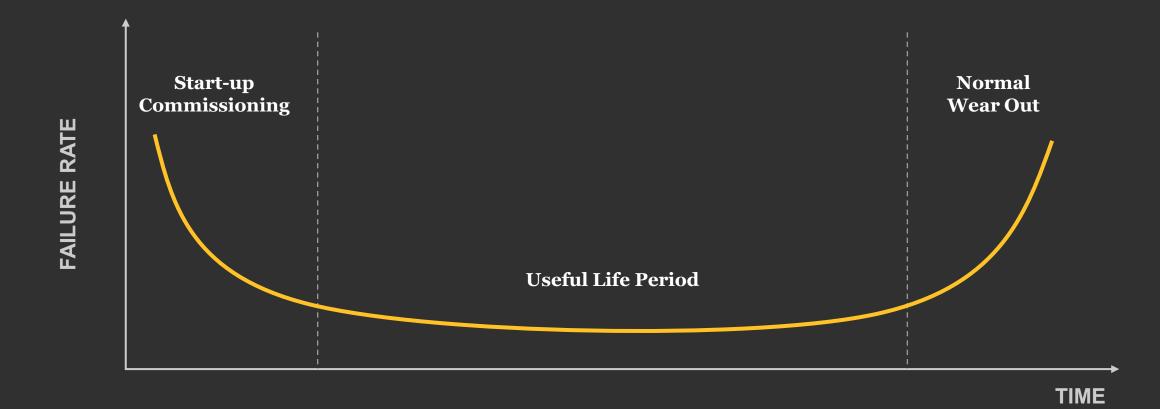
Leveraging & transitioning existing ethanol supply

- Existing low-CI ethanol production
- Cellulosic ethanol
- Waste-based ethanol

Unlimited potential

Building new waste-based ethanol supply

- Industrial / landfill off-gasses
- Agricultural waste and residues
- Municipal Solid Waste (MSW)
- Corn fiber cellulose / sugarcane bagasse
- Direct Air Capture (DAC) CO2 + H2





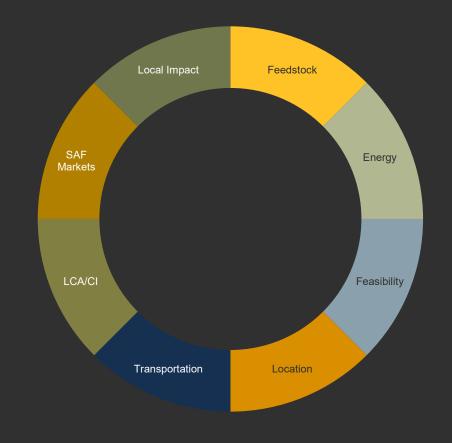
Cost of Production



World's first commercial-scale production of ATJ at LanzaJet Freedom Pines Fuel

LANZAJET

- Ethanol feedstock comprises of 60-70% of the COP
- Per IATA¹, main cost drivers of SAF production are:
- Feed composition
- Capital Cost
- Overall Yield Conversion
- Quality and Composition of the Produced SAF
- Operating Expenses
- Financial Requirements
- Logistics
- Initial Resources



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