



Muneeb Ahmed

Evolving Energy: Focus on SAF

Who is buying SAF today?

What is Sustainable Aviation Fuel (SAF)?

A drop-in fuel. Can be used in any jet-fuel powered aircraft.



Made from used cooking oil, fats, grease and other sustainable feedstocks

Instead of refined petroleum!



Mixed with traditional jet fuel

Usually about a 30/70 mix (30% "Neat" or pure SAF)

What is Sustainable Aviation Fuel (SAF)?

A drop-in fuel. Can be used in any jet-fuel powered aircraft.



Safe for all aircraft

ASTM D-1655 (jet fuel) certified

No modifications to the aircraft or fueling infrastructure

Half a million flights on SAF



Reduces CO2 Emissions

Fuel is made in a 'cleaner' way

The airplane flying with it will still have emissions when in the air, but overall there is a decrease in the fuel's overall lifecycle



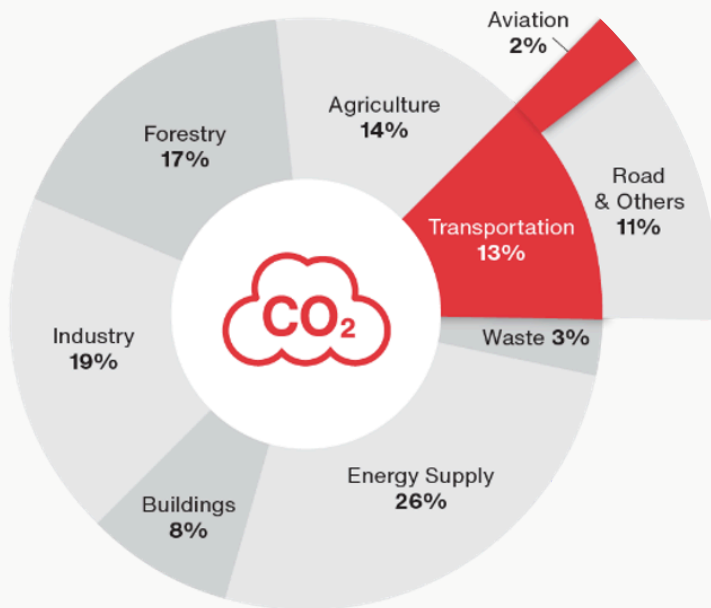
Aviation committed to
attain net zero by 2050.

SAF is the single most effective solution to
meeting net zero goals.

SAF and the Green Promise

Aviation & SAF

We're a small piece of the pie, but we're doing our part



16 years of SAF

Long road to adoption and sufficient production

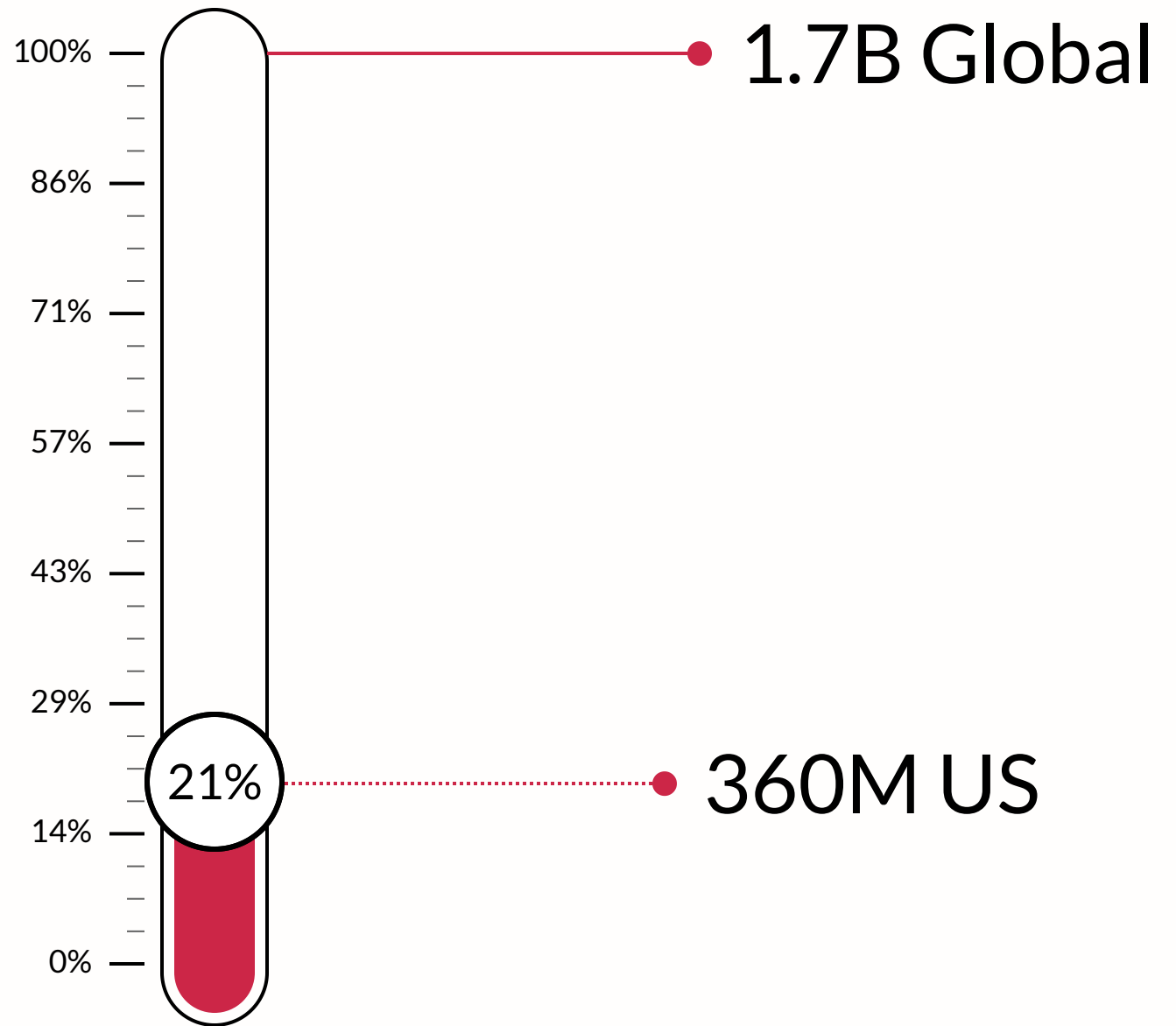
SAF makes the biggest impact on reducing CO2 output

Largest emissions reduction potential = worth investing in

Large corporations = Quickly adopting

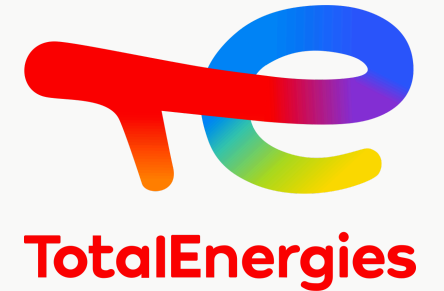
Airlines, business operators, and corporations are all adopting SAF to meet net-zero goals.

SAF (Blended)
Supply in 2024:
360M Domestic
1.7B Global



Who's producing it today?

NESTE



Who's buying it today?

NETJETS®



LUFTHANSA
GROUP

Southwest®



virgin
atlantic



FLEXJET

QATAR
AIRWAYS القطرية



AIR FRANCE KLM

SAS



jetBlue®

Alaska®
AIRLINES



Emirates



Emissions Regulations *Enacted*



Canada

Clean Fuel Regulations:
SAF Credits



United States

CA - Climate Disclosure Laws
NY - Climate Leadership Act
WA: Climate Commitment Act
NAIC: Insurance Climate Risk Disclosure



Brazil

RenovaBio: SAF pathways, 10% SAF
target by 2030 under discussion



United Kingdom

Jet Zero Strategy: 10% SAF by 2030



European Union

RefuelEU Aviation: 2% SAF in
2025 - 6% in 2030 - 70% by 2050



Japan

10% SAF target by 2030



ICAO (Global)

CORSIA: Carbon offsetting &
SAF adoption scheme



Singapore

Madate: 1% SAF by 2026 >>
3-5% by 2030



Looking Ahead: Second-Generation Sustainable Biofuels

Focus on SAF that doesn't compete for food supplies,
prime agricultural land or freshwater

AIR COMPANY

Turning CO₂ into
things we use



Vodka



Perfume



Jet Fuel

What's the cost?

- Cost fluctuates regionally (Europe, US, Asia)
- On a blended basis, ~\$1-2 per gallon more
- Expensive >> we encourage customers to create a long term strategy



I want SAF

But only at the price of Jet

Three Purchase Options



SAF

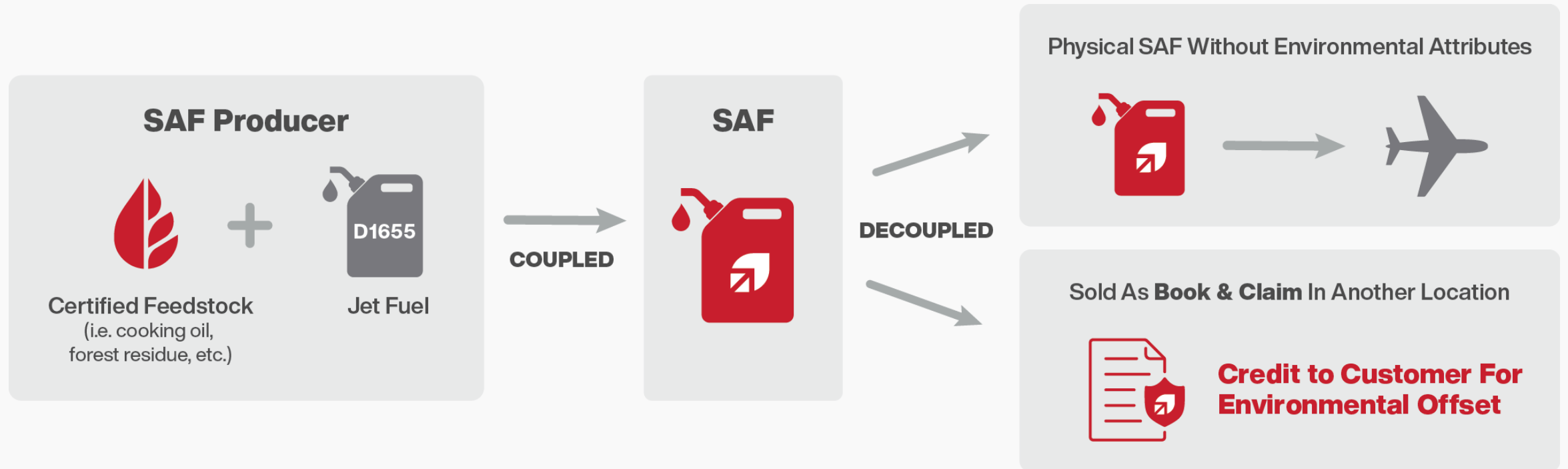


Book & Claim



Carbon Credits

Book & Claim



Carbon Credits

Every carbon credit you purchase offsets
approximately 100 gallons of jet fuel



Global SAF Supply Points & Hubs



Connect
with us.



Learn More!

Muneeb Ahmed

Jim Coleman

