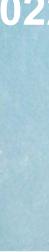
Wind meets Gas ...and SAF

A route to net zero for European aviation

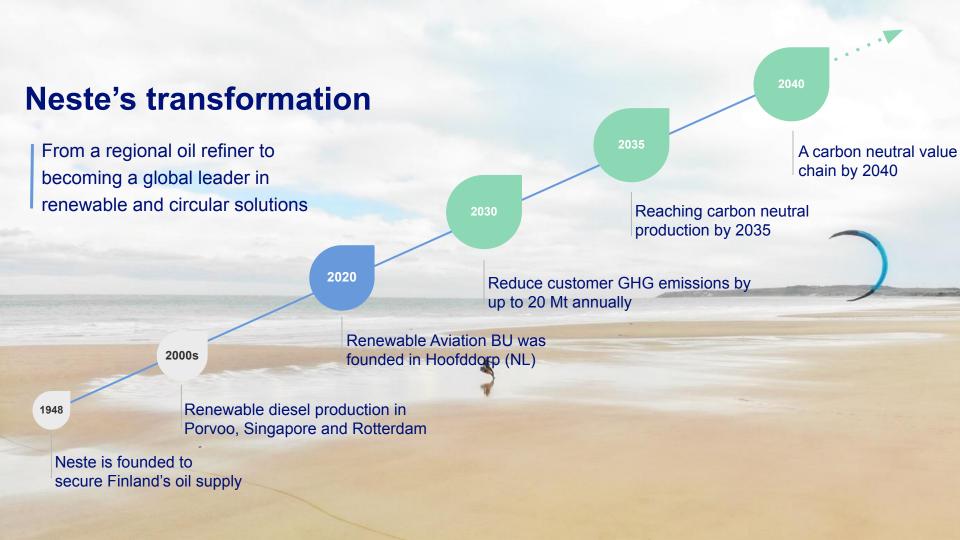
Gabriël Koetsier - Key Account Sales Manager Europe, Renewable Aviation Groningen Airport Eelde 07.10.2022 Question of the day

How many of you flew on SAF or compensated for your flights in 2022?











Aviation has committed to achieving net-zero emissions by 2050

- Aviation accounts for 2-3 % of global carbon emissions growing to >20%
 by 2050 if action not taken
- In addition, non-CO2 effects, like contrails, have 2x higher climate impact
- Sustainable Aviation Fuel (SAF) has been identified as one of the key elements in helping achieve these goals
- Despite pandemic challenges, the outlook for SAF is increasingly clear



Driven by our purpose

We are

#1

Producer of Sustainable Aviation Fuel & Renewable Diesel In 2021, our customers reduced

10.9 Mt

greenhouse gas emissions (CO2e) with our renewable products

Our innovation team, makes out

25%

of Neste's total workforce



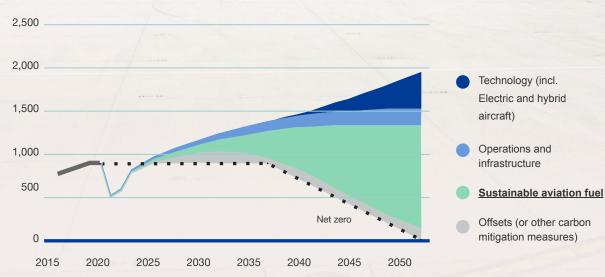




https://youtu.be/pbE5oQQ15IQ

Aviation needs growing volumes of sustainable aviation fuels to cut emissions

Aviation CO₂ emissions trajectory and reductions by measure (Mt CO₂e)



Aviation continues to rely heavily on liquid jet fuel, even with efficiency improvements and emergence of (short-haul) electric planes in the future.

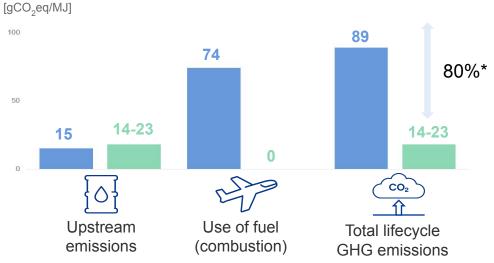
Sustainable Aviation Fuels will be the most important tool in the aviation sector's transition towards net zero.

Source: ATAG Waypoint 2050



SAF can reduce GHG lifecycle emissions up to 80% compared to fossil jet fuel

GHG emissions of fossil jet fuel vs Neste My SAF



Fossil jet fuelNeste MY SAF from waste and residues

* According CORSIA LCA methodology



Sustainable Aviation Fuel

Made from

100%

waste and residues, such as used cooking oil

Drop-in solution requiring

zero

additional investment in infrastructure





Neste's SAF production capacity is expected to reach 1.5 million tons by 2023





Neste is supplying SAF globally













































The growth path of sustainable aviation fuels is based on continuously expanding raw material base

Current



Used cooking oil
Waste oil from food
cooking



Animal fat Food industry waste



Near future 5 - 10 years



Lignocellulosic



Future > 10 years



Algae



Strong growth in sustainable aviation fuel market with opt-in schemes, incentives and SAF mandates



EUROPE

ReFuelEU ensures SAF account at least 2% by 2025 and 6% by 2030 of aviation fuels at EU airports



AMERICAS

Opt-ins schemes continue to drive market growth and additional long-term policy frameworks for SAF expected (e.g. SAF BTC)



Regulation in **early phase**, but Neste well-positioned with regional production in APAC



Passengers are looking for tangible solutions to make flying more sustainable

50+% of leisure travelers are concerned about CO₂

45%
are trying to travel as environmentally friendly as possible

42% are willing to pay more for environmentally friendly travel

The time for action is now!



