



ICAO Green Airports

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Our purpose
is to create a healthier
planet for our children.

Disclaimer

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5,500

professionals in 15
countries

World's largest
**Renewable
Diesel**
producer

Producer of
**Renewable
Jet Fuel**

Current renewable fuels
production capacity

**2.9 million
tons**

App. **83%**
of renewable raw
materials are
waste and
residues

In 2018 Neste's
renewable fuels
cut GHG emissions by

**7.9 million
tons**

Neste in 2018

Neste's Renewable products refineries



PORVOO
#1 and #2
135 million gpy

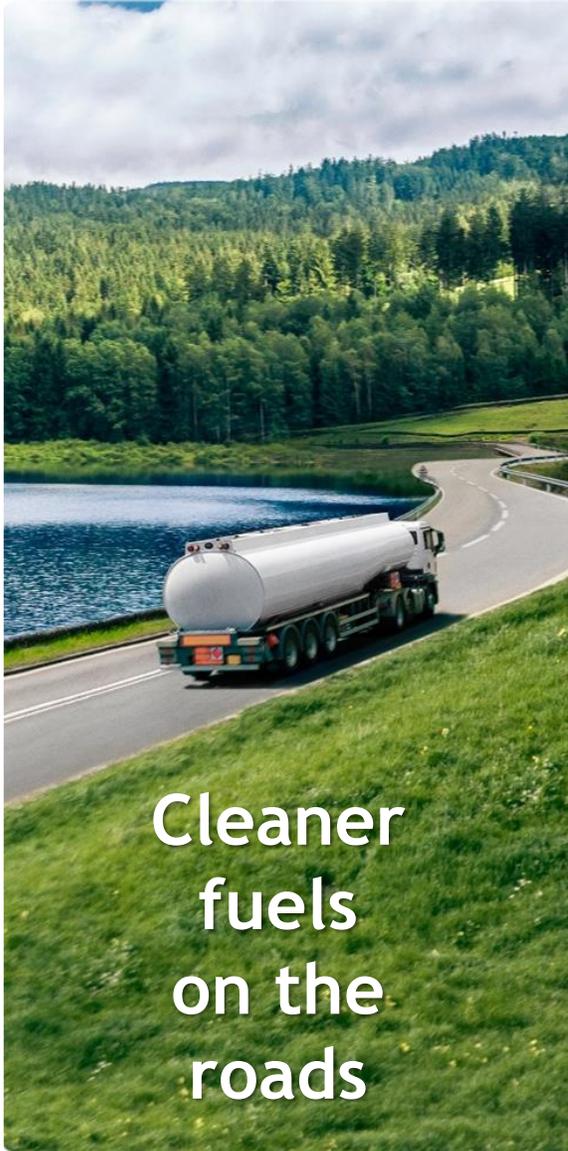
SINGAPORE
405 million gpy

ROTTERDAM
370 million gpy

Singapore
expansion for
additional 440
million gpy in
production by
2022

Stakeholders and Value Creation





Cleaner
fuels
on the
roads



Low-sulfur
bunker
fuel
at seas



Renewable
solutions
for
chemicals
industry



Renewable
jet fuel in
the air



Neste helps aviation stakeholders find the best possible solutions to decarbonize aviation

NESTE MY
Renewable Jet Fuel

NESTE MY
Renewable Diesel

- Sustainability services
- Logistics
- Collection of local feedstocks
- Funding solution design
- Renewable chemicals

Neste MY Renewable Diesel

- The highest quality diesel in the world
- Produced from waste and residue fats from food processing as well as vegetable oils with Neste's proprietary NEXBTL technology
- Using Neste MY Renewable Diesel significantly reduces greenhouse gas and may reduce tailpipe emissions
- Compatible with existing distribution systems and engines
- Meets even the toughest manufacturer requirements



From low quality raw material to high quality products

We are the world's number

1

renewable diesel provider with the capacity of 2.9 million tons

The share of waste and residues is approximately

80%

of our renewable raw materials

Neste renewable products reduced GHG emissions by the amount equaling annual emissions of

3

million passenger cars

Renewable jet fuel: A solution for sustainable aviation





Proven high level performance

1,187

Lufthansa
flights

**1,600
tons**

of Neste Renewable
Jet Fuel blend
consumed
(50% blend)

**1,500
tons**

reduction in
CO2 emissions

NESTE MY

Renewable Jet Fuel

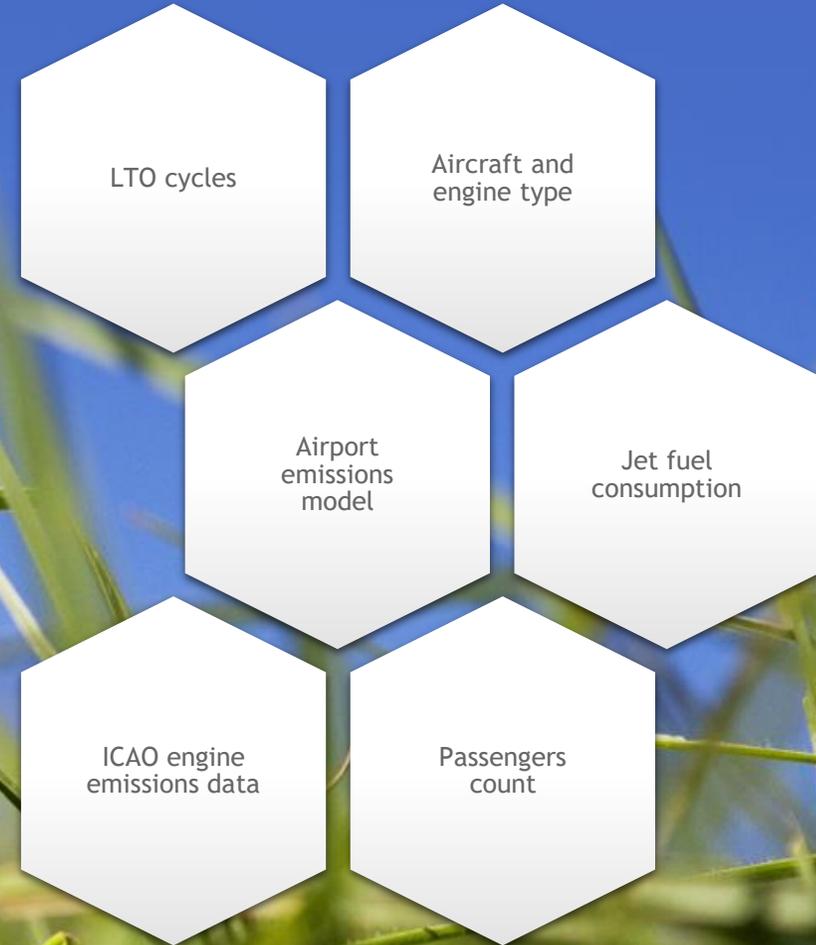
- Offers airlines an easy way to cut their emissions
- Compatible with existing jet engines
- High energy content (MJ/kg), no aromatics, reduces CO₂ and sulfur emissions
- Complies with ASTM D7566 specification
- Already available at industrial scale



SAF is a superior jet fuel: turbine emissions reduction

SAF has the potential to reduce jet turbine emissions including

- **PM, UHC, sulfur**





Cutting-edge research

- Continuous research to expand renewable raw material base and further develop NEXBTL technology
- approx. euro 48 million of R&D costs in 2018
- Cooperation with over 20 research institutions around the world
- Approx. 1,000 people working with research and engineering

Expanding our raw material portfolio

Short term



Waste animal fats,
waste oils, residue
and side streams

Long term



Biological
pathways



Thermo-catalytic
pathways



Photo-
synthesis

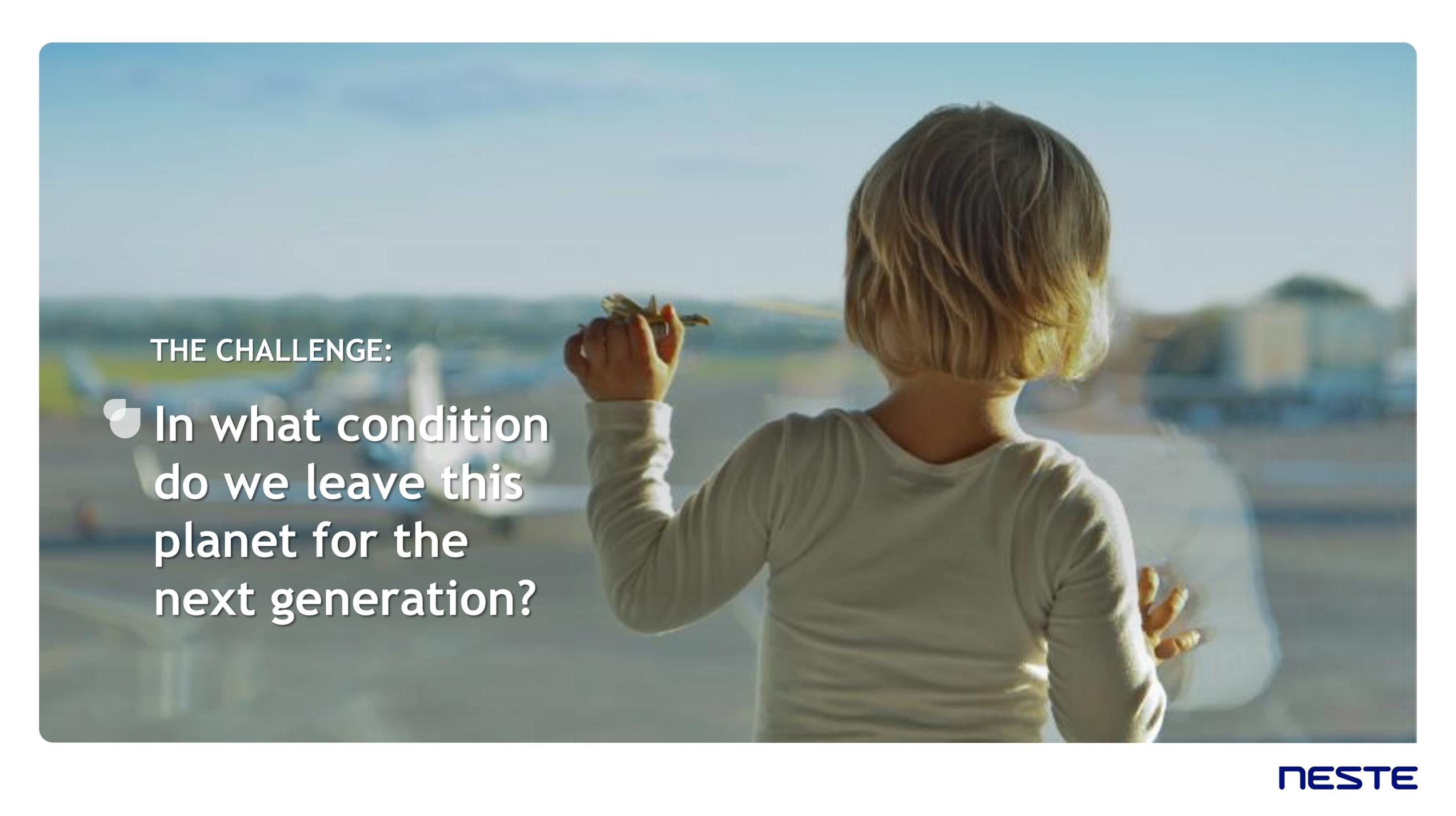


CASE

Driving circularity

Neste aiming to use waste plastic as a raw material for fuels, chemicals and plastics

- Accelerating circularity in refining and chemical industries
- Reducing crude oil dependency
- Reducing ecological footprint
- Developing new low-carbon business to accelerate circular economy
- Neste's target is to process annually more than one million tons of waste plastic by 2030



THE CHALLENGE:

• In what condition do we leave this planet for the next generation?



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