ICAO Green Airports

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Our purpose is to create a healthier planet for our children.
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Neste in 2018

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

5,500 professionals in 15 countries

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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

- **Airport authority**
  - Broader product portfolio
  - Enhanced value proposition to customers
  - Meet obligations
  - Lower their carbon footprint
  - Loyalty program rewards
  - Recognition

- **Local community**
  - Achieve sustainability goals
  - Positive publicity
  - Address fuel issues
  - Airport as a destination
  - Better air quality
  - Engaged and happy community
  - Contribution to fight against climate change
  - Job creation
  - Leader in fighting climate change
  - Addressing concerns of voters
  - Job creation
  - Energy diversification

- **Airlines**
  - CSR goals
  - Satisfied employees, owners and Board
  - Marketing and PR value
  - Enhanced brand value through positive publicity
  - Additional ancillary revenue
  - Stronger passenger value prop
  - Legitimacy for growth

- **Government**
  - Broader product portfolio
  - Enhanced value proposition to customers
  - Meet obligations
  - Addressing concerns of voters
  - Job creation
  - Energy diversification

- **Fuel Suppliers**
  - Broader product portfolio
  - Enhanced value proposition to customers
  - Meet obligations

- **Passengers**
  - CSR goals
  - Satisfied employees, owners and Board
  - Marketing and PR value
  - Enhanced brand value through positive publicity
  - Additional ancillary revenue
  - Stronger passenger value prop
  - Legitimacy for growth

- **Local corporations**
  - Achieve sustainability goals
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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

- 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
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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