

# Transformation towards a low carbon future

Our company's purpose

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# Creating a healthier planet for our children

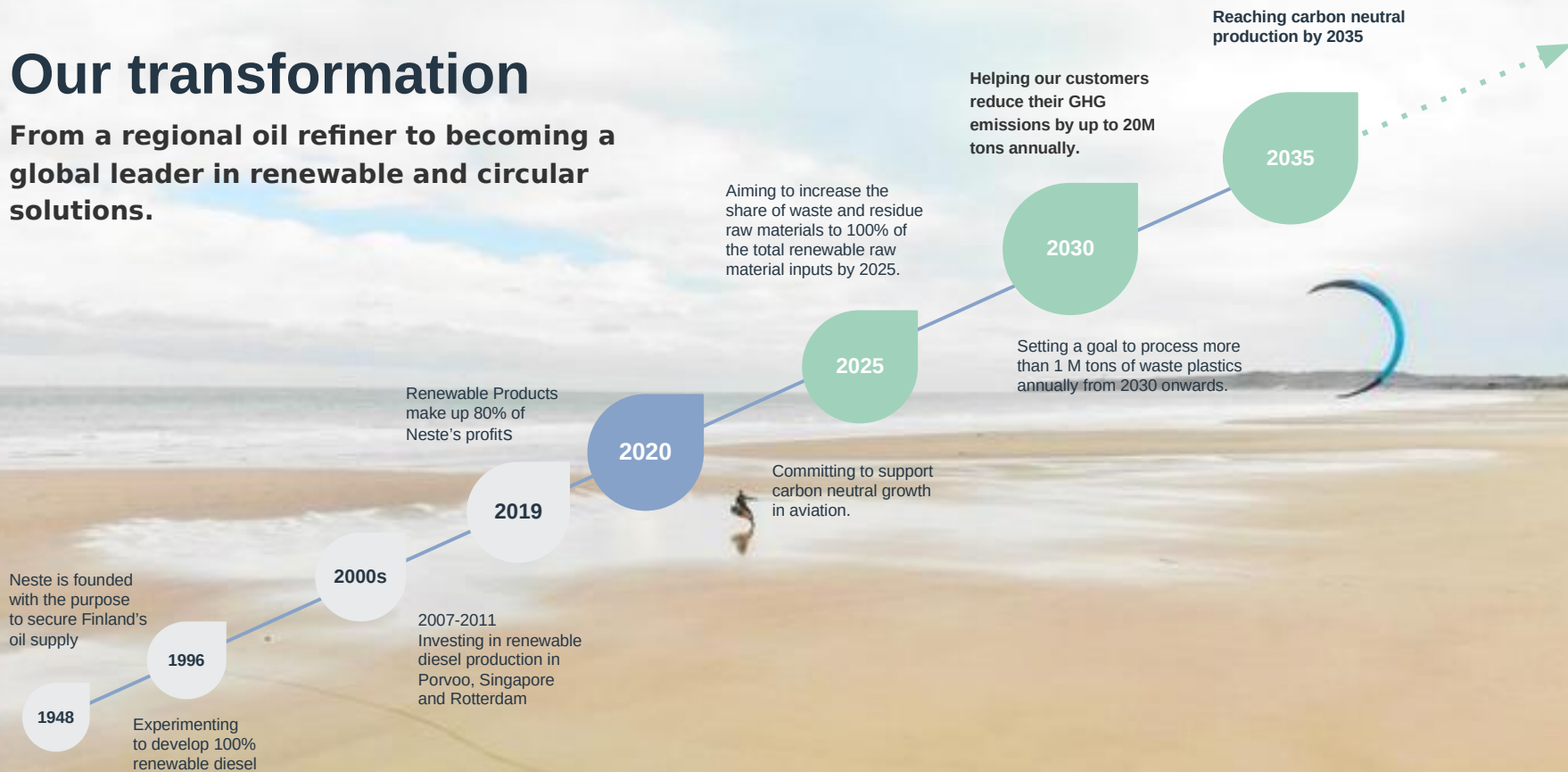
Neste's transformation

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From a local oil refiner  
towards a global leader in  
renewable and  
circular solutions,  
with **limitless curiosity**

# Our transformation

From a regional oil refiner to becoming a global leader in renewable and circular solutions.



# Our growth and transformation is rooted in innovation and technology

25% of our personnel work with innovative research, product development and engineering

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We invest the majority of our annual R&D expenditure to research and testing future raw materials



**Decarbonizing transport  
requires several  
sustainable solutions**

**Global oil consumption today  
4,525 Mtoe/a (2019)**



**Global oil demand  
for transport  
2,668 Mtoe/a (2019)**





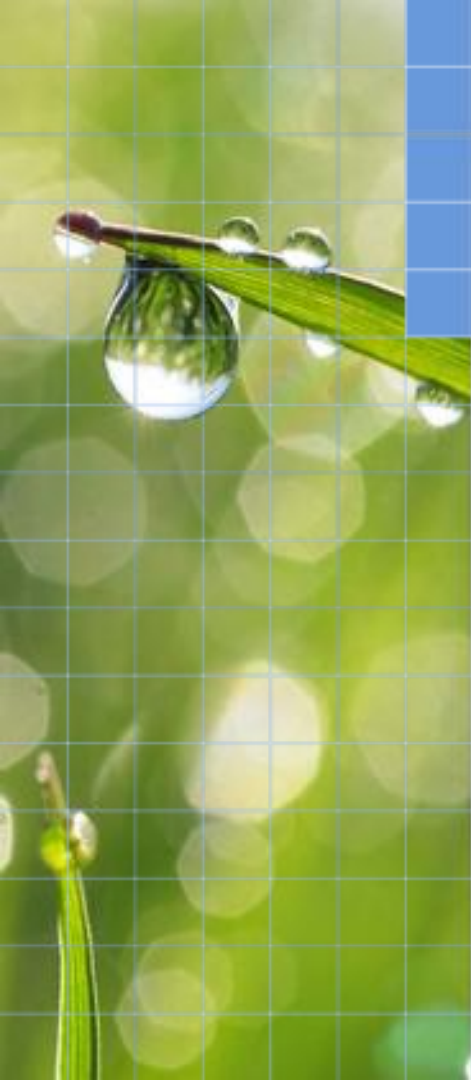
# 2020

**10 million electric vehicles  
6 Mtoe/a oil displacement**



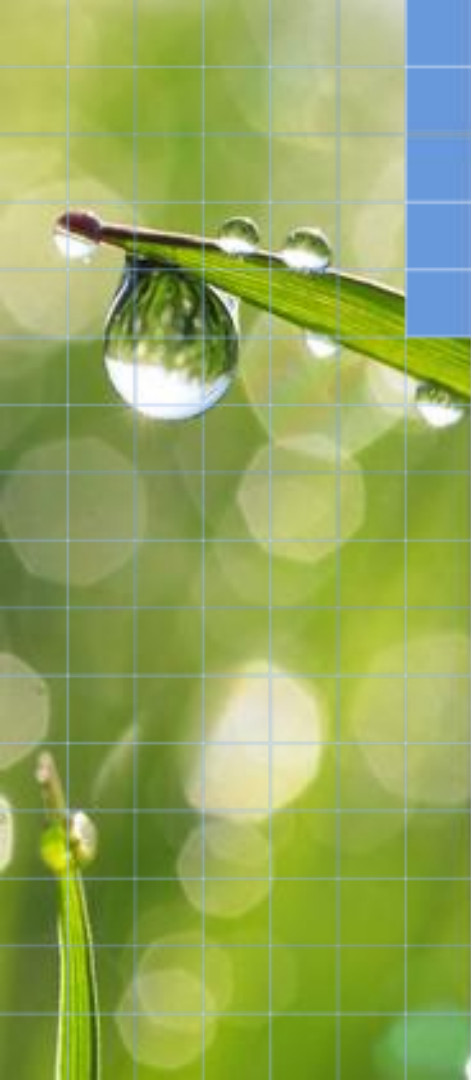
# 2040

**600 million electric vehicles**  
**360 Mtoe/a oil displacement**



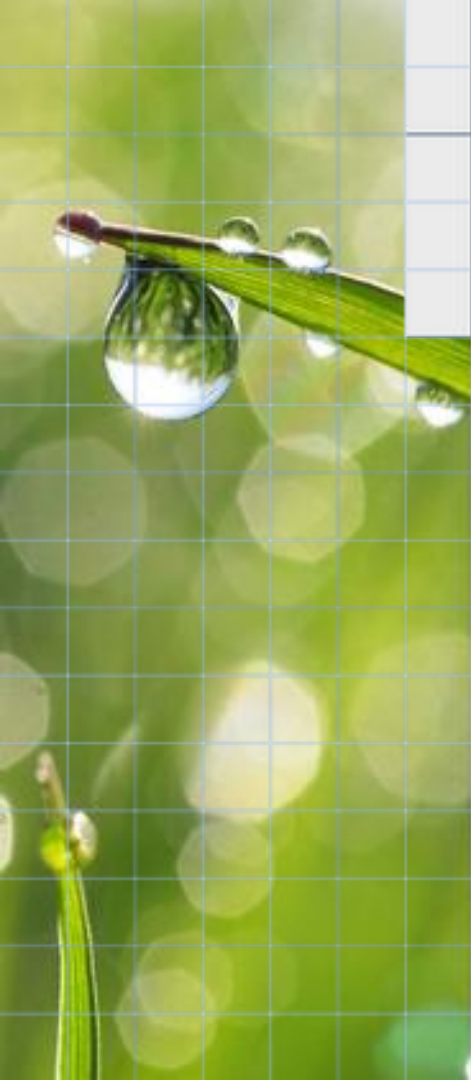
# 2019

**Global renewable consumption  
98 Mtoe/a oil displacement**



# 2040

**Feedstock\* availability  
for renewable fuel production  
1071 Mtoe/a oil displacement**



# 2040

**EVs and renewable fuels\* can substitute more than 50% of crude oil in transportation**

**Smart regulation is needed to make it happen!**

Source: Neste based on IEA World Energy Outlook 2019, World Economic Forum / McKinsey (2020)

\*Fatty acids, cellulosic, municipal solid waste based

**NEST**

# A multitude of renewable and circular solutions, with a strong focus on innovation



## CARBON SOURCES

Lignocellulosic waste



Municipal solid waste



Algae



Renewable H<sub>2</sub> and CO<sub>2</sub>



5–10 years



> 10 years

## RENEWABLE AND RECYCLED HYDROCARBONS



Road transportation

Aviation

Polymers and chemicals

# Sustainability at the core of our transformation

## Harvard Business Review

The Top 20 Business Transformations of the Last Decade

### 12. Neste (Finland)

Renewable fuels: **70%**



CAGR since 2010: **24%**  
OMX Helsinki 25: **7%**

In 2019, Harvard Business Review identified 20 global companies that have achieved the highest-impact business transformations over the past decade.

*The Voice for Clean Capitalism*

## Corporate Knights

### 2020 Global 100 results

4	Neste Oyj	Petroleum Refineries	Finland	83
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Neste ranked the 4th most sustainable company in the world on the Global 100 Index 2021 by Corporate Knights. Neste has been selected to the Global 100 Index 14 years in a row.

# 94% of Neste's profits\* come from renewable businesses



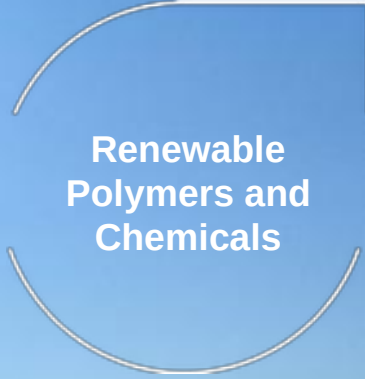
## Renewable Road Transportation

Over the life-cycle, Neste MY Renewable Diesel reduces greenhouse gas (GHG) emissions by up to 90% compared to fossil diesel.



## Renewable Aviation

Over the life-cycle, Neste MY Sustainable Aviation Fuel has up to 80% smaller carbon footprint compared to fossil jet fuel.



## Renewable Polymers and Chemicals

Neste RE Renewable and Recycled™ is Neste's solution for the plastics and chemicals sectors to help them reduce crude oil dependency while also tackling climate change and plastic waste challenge.

\*Comparable operating profit



NESTE



# Already available, sustainable alternatives for the transportation and aviation industries

## Renewable diesel

Made from 100% renewable raw materials, up to 90% less greenhouse gas emissions over the fuel's life cycle when compared with fossil diesel.

- Sold at almost 500 fuel stations




## Sustainable aviation fuels (SAF)

Immediate solution for reducing the direct climate emissions of flying. With possible additional investment, Neste's current capacity of 100,000 tons to grow to 1.5 million tons by 2023.

- Already in commercial use by over 10 airlines

All Neste's renewable products are fully compliant with the RED II regulation.



**There is not only room for  
all alternative solutions – there is  
a gigantic need for all of them**



NESTE

Change runs on renewables

An aerial photograph of a winding asphalt road that curves through a dense green forest. The road has white dashed lines and a few cars are visible. To the left of the road, there is a field of tall grass or reeds. A white line graphic starts from the top left, curves over the road, and then turns into a vertical line on the right side. The overall scene is lush and green.

# Change runs on renewables

image here and send to back

Andreas Teir | Vice President | Renewable Road Transportation

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