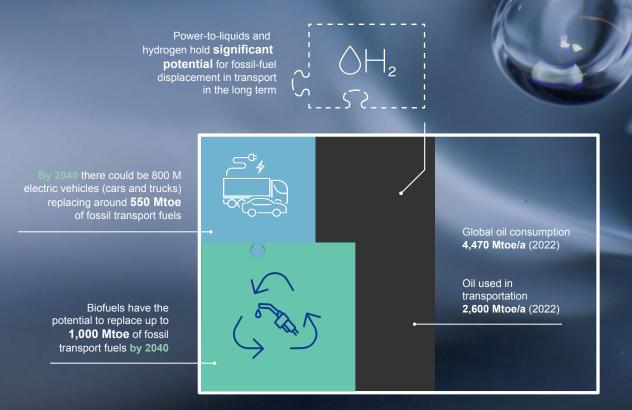
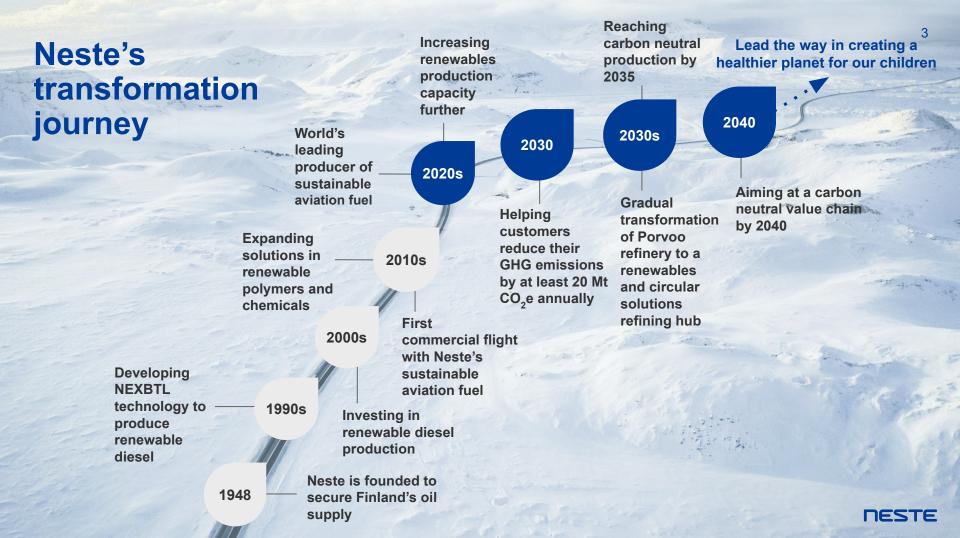
THIS IS NESTE

Change runs on renewables

Mats Hultman | Head of OEM Partnerships SMTF Göteborg, Oct 6th 2025

We need all solutions to combat climate change





Operations on five continents



Production

- Porvoo, Finland
- Rotterdam, the Netherlands
- Singapore
- Martinez, CA, the U.S. (joint operation)

Other locations

Europe

- Finland
- Belgium
- Estonia
- Germany
- Ireland
- Latvia
- Lithuania
- Netherlands
- Spain
- Sweden
- Switzerland

Asia and Australia

- Australia
- China
- India
- Singapore

Americas

- U.S.
- Brazil



Focused on refining waste and residues into renewable products

Renewables production on three continents

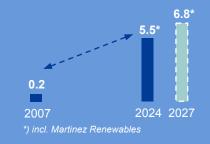
- Rotterdam, the Netherlands
- Singapore
- Porvoo, Finland
- Martinez, CA, U.S. (joint operation)

Our Rotterdam refinery capacity expansion project will further increase the total production capacity of renewable products to

6.8 million tons

in 2027

Renewables production capacity growth, Mt



Waste and residues

90%

of our annual renewable raw material inputs globally





Neste Renewable Products business area helps customers reduce greenhouse gas emissions



Aviation

Neste MY Sustainable Aviation Fuel™ is a solution for replacing fossil jet fuel to reduce aviation related emissions.



Road transportation and other segments

Neste MY Renewable Diesel™ is a lower-emission solution to replace fossil fuel in all diesel-powered engines.



Turning renewable raw materials into renewable products



Raw materials

A wide variety of different renewable raw materials are sourced around the world

Waste and residues account for approx. 90% of our renewable raw material inputs globally.

Pretreatment

Pretreatment of the renewable raw materials ensures impurities are removed before refining.

Refining

Pretreated raw materials are hydrotreated with Neste's own NEXBTL™ technology or other hydrotreatment technologies.

Oxygen is removed from raw materials with hydrogen. The created pure hydrocarbons are isomerized to tune the end product properties.

Output

5.5 million tons of Neste renewables per year

 \rightarrow Increasing to 6.8 million tons in 2027





New solutions

We help our B2B and B2C customers reduce greenhouse gas emissions - also with the EV charging services for electric vehicles.

Neste Charge[™]

Electric vehicle charging service and related smart charging solutions for logistics companies and their subcontractors in Finland.

Neste MY Renewable Charge™

is a public high-power charging (HPC) service for light and medium-duty vehicles.

We opened dozens of new HPC stations in 2024 along the main roads in Finland and our service expanded also in Baltics.

In 2024 Neste opened its first HPC charging station for the heavy duty vehicles along the main highway 3 in Janakkala Finland.











What makes renewable diesel a different solution?

	Conventional fossil diesel	Renewable Diesel (HVO)	Biodiesel (FAME)
Raw material	Crude oil	Waste and residue vegetable oil	Waste and residue vegetable oil
Chemical composition	C _n H _{2n+2} + aromatics	C _n H _{2n+2}	O II H ₃ C-O-C-R
Oxygen (wt-%)	≈ 1 (in B7)	0	≈ 11
Cetane number	> 46	70- 90	> 51
Aromatics (vol-%)	< 4.8	0	0

Chemical composition

Compatibility with all diesel engine and infrastructure

Oxygen

Bad impact on long storage time, water absorption...

Cetane

Quicker and better combustion, reducing the formation of NOx...

Aromatics

Increase engine-out emissions, toxic, bad smell...





Scalable solutions for the future



Renewable oils and fats



Novel Vegetable Oil



Lignocellulose



Waste plastics*



RenewableH

Now

Mid- to longer term options

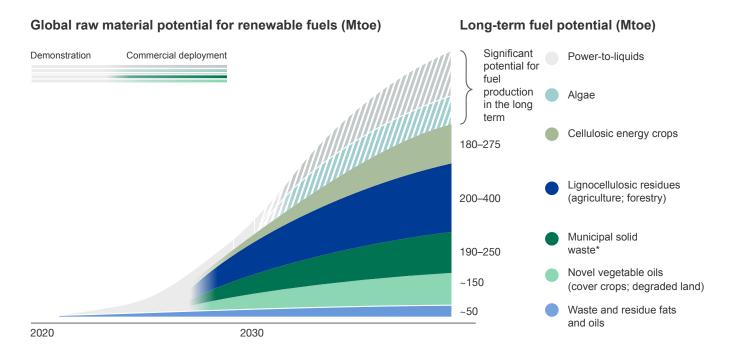








New raw material pools to accelerate emission reductions

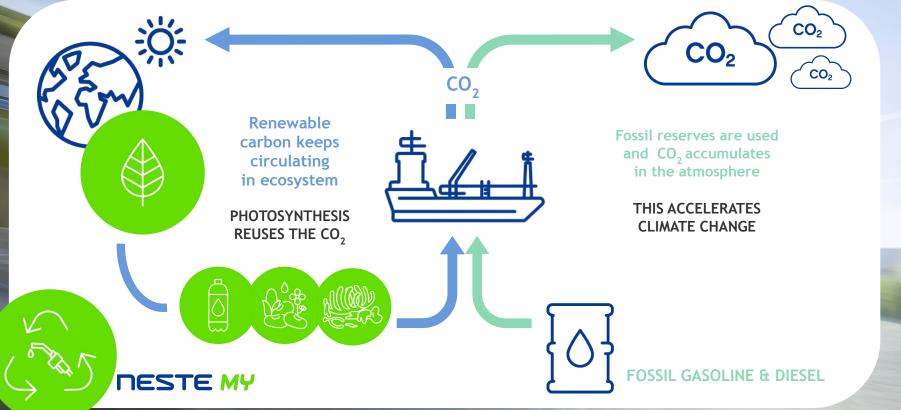


Source: Neste analysis based on WEF Clean Skies for Tomorrow and other sources. Biomass potential converted to fuel potential, using around 85% conversion efficiency (weight-based) for fats and oils and novel vegetable oils; around 25% efficiency for lignocellulosic biomass and municipal solid waste.



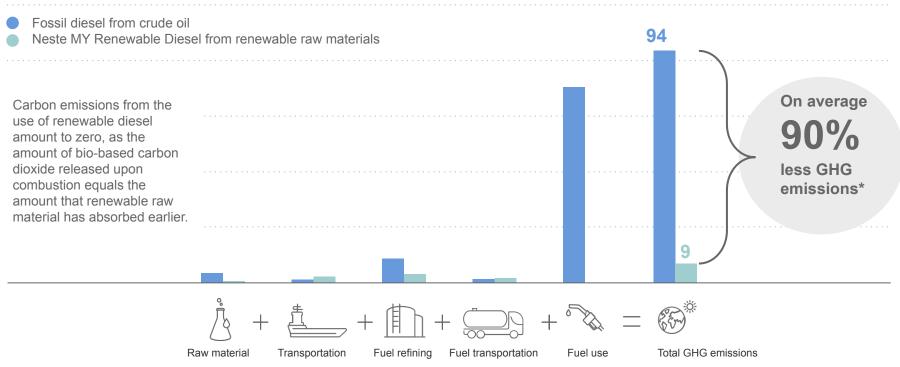


In the case of Neste renewable diesel, renewable carbon keeps circulating in the ecosystem



Neste MY Renewable Diesel helps reduce the greenhouse gas emissions by an average 90% when emissions over the fuel's life cycle are compared with fossil diesel.





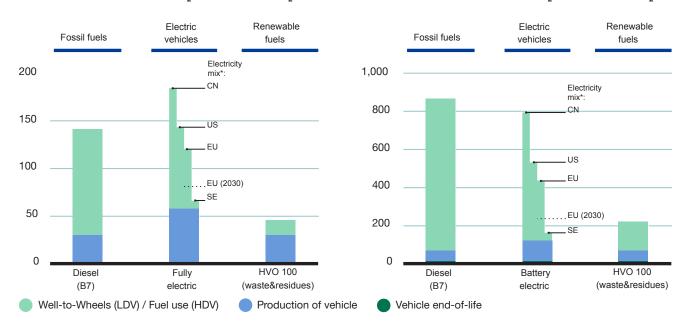
^{*} The methodology for calculating life cycle emissions and emissions reduction complies with the European Union's Renewable Energy Directive II (2018/2001/EU)



Exploring multiple routes to achieve low-emission vehicles

Passenger cars: life cycle CO₂ emissions (g CO₂/km)

Heavy-duty trucks: life cycle CO, emissions (g CO,/km)



Renewable diesel made from waste & residue feedstocks can deliver substantial emission reductions in both passenger cars and trucks.

Electric vehicles have a great emission reduction potential, if running on renewable or low-carbon electricity.

Source: Neste based on Volkswagen, IEA and Scania; 200,000 km life-cycle mileage assumed for passenger cars and 500,000 km for heavy-duty trucks (6.1 tons as an average payload).



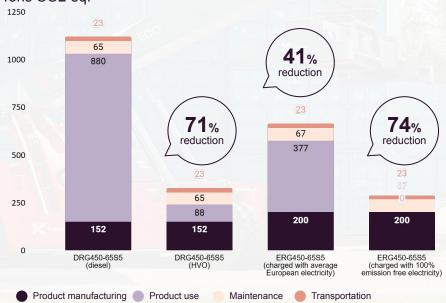
^{*}Power sector CO₂ intensity varies across countries depending on their fuel mix. In 2018, Sweden's intensity was 43 t CO2/GWh, followed by EU's 320, US's 416, and China's 682, according to the IEA. With a greener power mix, the intensity is expected to decline to 132 t CO₂/GWh for the EU, 257 for the US and 531 for China by 2030, according to IEA's stated policy scenario.

Example: Lifetime emissions of Reachstackers



Net lifecycle greenhouse gas emissions

Tons CO2 eq.







OEMs continue to approve Neste MY Renewable Diesel™

Most OEMs have approved Neste MY Renewable Diesel for all or some engines:

- Heavy duty
 - Volvo, Scania, Daimler, DAF, Iveco, MAN, Renault, Cummins, VDL ...
- Passenger car
 - Citroën, DS, Peugeot, Mercedes, Smart, Volvo, Renault, Dacia, Opel, Ford, BMW, VW, Mini, Toyota, Skoda, Audi...
- · Non-road applications
 - **Liebherr**, **Komatsu**, Caterpillar, Deere, Agco Power, Steyr, Deutz, **Volvo**, Scania, MAN, MTU, **Valtra**...
- * OEMs marked with bold text uses Neste MY as fist fill in the production also

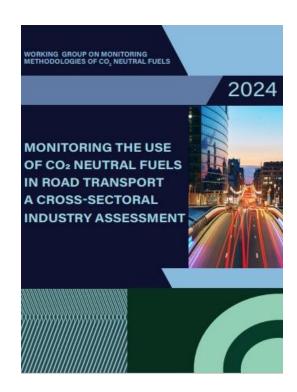


WGMM

The Working Group on Monitoring Methodologies of CO₂-Neutral Fuels



The working group report is now released and handed over to the European commission





Fueling Technologies for Vehicles & Retail:

11 technical options were evaluated and described in the report.

Option 1 – Mechanical adaption of tank filler / nozzle

Option 2 – Fuel Marker along upstream and downstream

Option 3 - Digital fuel tracking on upstream and downstream

Option 4 – Hybrid approach –fuel marker & digital handshake

Option 5 - Vehicle Onboard Fuel Detection Function

Option 6 – Vehicle Onboard Fuel Molecular Sensor

Option 7 – Communication between vehicle and filling station

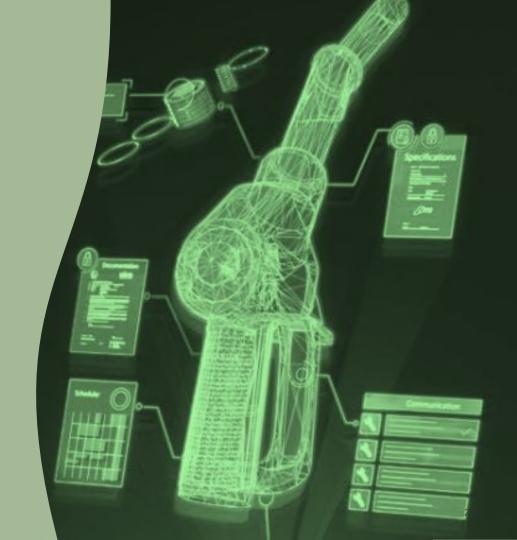
Option 8 – EU market exclusively supplied with CNF

Option 9 – Mass-Balanced CNF supply to each CNF vehicle

Option 10 – Fuel Usage Balancing – FUB

Option 11 – Combined – Upstream: mass balancing –

Downstream: digital handshake



On-site reporting



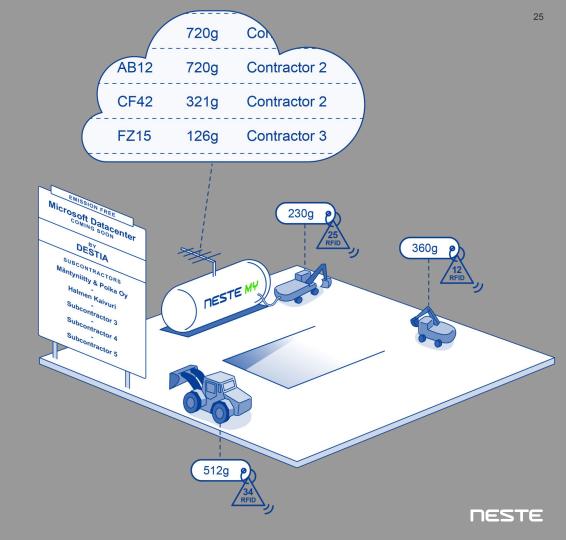
Our goal is to offer a centralised renewable refueling system for all contractors on site with a partner.

Tanks & Automatic deliveries

RFID tag Identification

Site Fuel data reporting & Emissions

Proof of sustainable act



Emission reduction is not enough as such

- Customers need to validate and report it

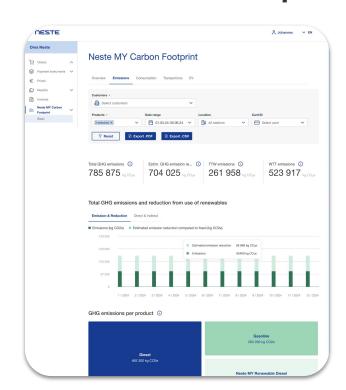
FILTER & EXPORT OPTIONS

Filtering options based on customer ID, product, date, location and fuel card ID for which the data can be exported. Export the data in .csv format or get ready visual .pdf reports from the liquid fuels and/or EV Charging.

GHG EMISSION DATA

WTW: Well-to-Wheel

GHG Emissions have a more advanced break down from WTW into WTT and TTW which is needed for scope 1 & 3 reporting. And we provide now also GHG emission data from **EV charging** which is needed for scope 2 reporting.





Liquid Fuel .pdf report

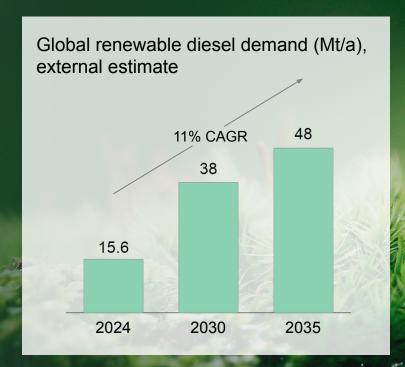


EV Charge .pdf report





Solid growth trajectory continuing in renewable diesel

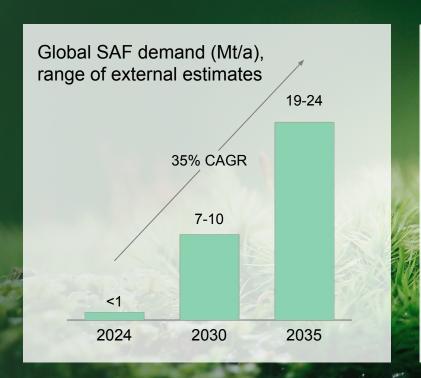


Majority of expected growth from mandates, incl.:

- **EU RED III**: 29% renewable share or 14.5% emission reduction obligation in transport by 2030, with sub-quota for advanced biofuels
- California LCFS: 30% reduction in the carbon intensity of transportation fuels by 2030 and 90% by 2045. Other US states are increasingly following California's example
- National road mandates: in e.g. UK, Canada, and Brazil



Rapid increase in global SAF demand, especially from 2030 onwards



Majority of expected growth from mandates and incentives including:

- EU: 2% in 2025, 6% by 2030
- UK: 2% in 2025, 10% by 2030
- US: Various incentive schemes
- Singapore: 3% by 2030
- British Columbia (Canada): 3% by 2030
- Japan (proposed): 10% by 2030

Estimate range driven by uncertainty of voluntary demand

Main takeaways

Climate targets cannot be met without renewable fuels More ambitious and persistent regulation for renewable fuels is crucial

Reporting the emission reductions plays an important role