

A photograph of a child and an adult walking barefoot on a large, fallen log in a sunlit forest. The child, wearing a striped shirt and jeans, is in the foreground, walking away from the camera. The adult, wearing jeans, is in the background, also walking away. The scene is filled with green foliage and sunlight filtering through the trees.

Neste MY - breakthrough that changes the world

Environment Committee at Estonian
Parliament

Dennis Antamo, General Manager / Member of the board
Ülle Tamme, Member of the board
Neste Eesti AS

NESTE




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



NESTE MY

#RenewableDiesel

Alternative to traditional fossil diesel
reduce GHG emissions up to 90%
suitable for all diesel engines

An aerial photograph of Central Park in New York City, with the dense green trees in the foreground and the city's skyscrapers in the background under a clear blue sky. Three white circular callouts are overlaid on the image, each containing text. A large white text block is centered at the bottom of the image.

Climate change
requires seeking
alternative
sources of energy
and fuel

Targets to cut
greenhouse gas
emissions are
set around
the world

Within EU to
reduce
greenhouse gas
emissions by 80%
by 2050

**Increasing demand for energy
- how to tackle the challenge?**

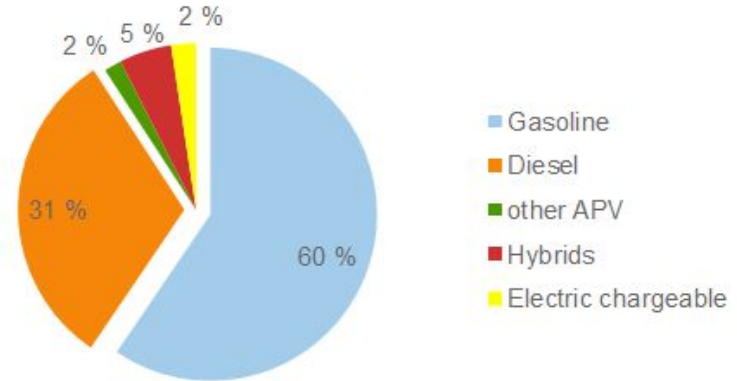
Car fleet is changing slowly

Estonia average age of
vehicle fleet in 2017

Cars 15,4 years

LCV 12,7 years
HCV 16,3 years

Fuel type of new cars in EU Q2 2019



*LCV=Light commercial vehicles HCV=Heavy commercial vehicles
Source: ACEA

What is Neste MY Renewable Diesel?

- It is today's highest quality renewable paraffinic diesel and is a drop-in fuel
- Produced from 100% renewable and sustainable raw materials, produced with our own NEXBTL technology.
- Pre-treatment of raw materials ensures near zero contaminants, up to 90 % smaller GHG emissions
- A premium quality diesel that is a colorless, odorless, high cetane, cleaner burning, stable fuel
- Renewable diesel is NOT biodiesel “FAME”



Neste renewable products refineries

A world map with a light gray background. Three green circular markers are placed on the map, each connected by a thin green line to a corresponding green callout box. The markers are located in the Netherlands, Singapore, and Finland. The callout boxes contain text about the refineries at these locations.

Rotterdam, The Netherlands

- The world's largest renewable diesel refinery alongside Singapore
- Renewable propane will be available on the market during the year 2018

Porvoo, Finland

- The world's first renewable diesel refinery

Singapore

- The world's largest renewable diesel refinery

Neste MY Renewable Diesel



Smaller environmental footprint

Reduces greenhouse gas emissions by up to 90% in addition to sizable reductions in tailpipe emissions.

Free of sulphur, oxygen, and aromatics. Together with a high cetane number the fuel ensures an efficient and clean combustion.



Superior cold weather performance

Suitable for very cold weather conditions. Winter -32 °C, summer -10 °C

Can be stored over long periods of time with no deterioration in quality
Behave just like fossil diesel



Lower operating costs

Longer service and maintenance intervals than for other alternative fuels

Easy switch; no additional investments
Fleets can switch to Neste MY renewable diesel overnight without any conversion of vehicles or to logistics systems.



All diesel powered engines and equipments

Enviromental consiousness
companies and car owners



Outdoor events e.g. festivals



Agriculture



Marine



Non road machines



Construction sites



What do you need to do to switch to renewable diesel overnight?



Compatible with Your Current Infrastructure

Zero change or disruption to your fleet's operations.

Just Drop-In and Go

Suitable for all diesel engines, requiring absolutely no additional investment.



NOTHING!

- No change in vehicle purchase price
- No specialized fueling or recharging infrastructure
- No change in maintenance parts stocking
- No retraining and certifying of maintenance personnel
- No regulatory issues



NESTE **MY**
#RenewableDiesel

Regular
Diesel

NESTE

Flexibility - Building a global sustainable feedstock pool



Animal fat from food industry waste



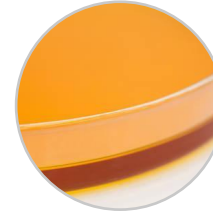
Fish fat from fish processing waste



Vegetable oil processing waste and residues (e.g. PFAD, PES, SBEO)



Used cooking oil



Technical corn oil



Palm oil



Rapeseed oil



Soybean oil



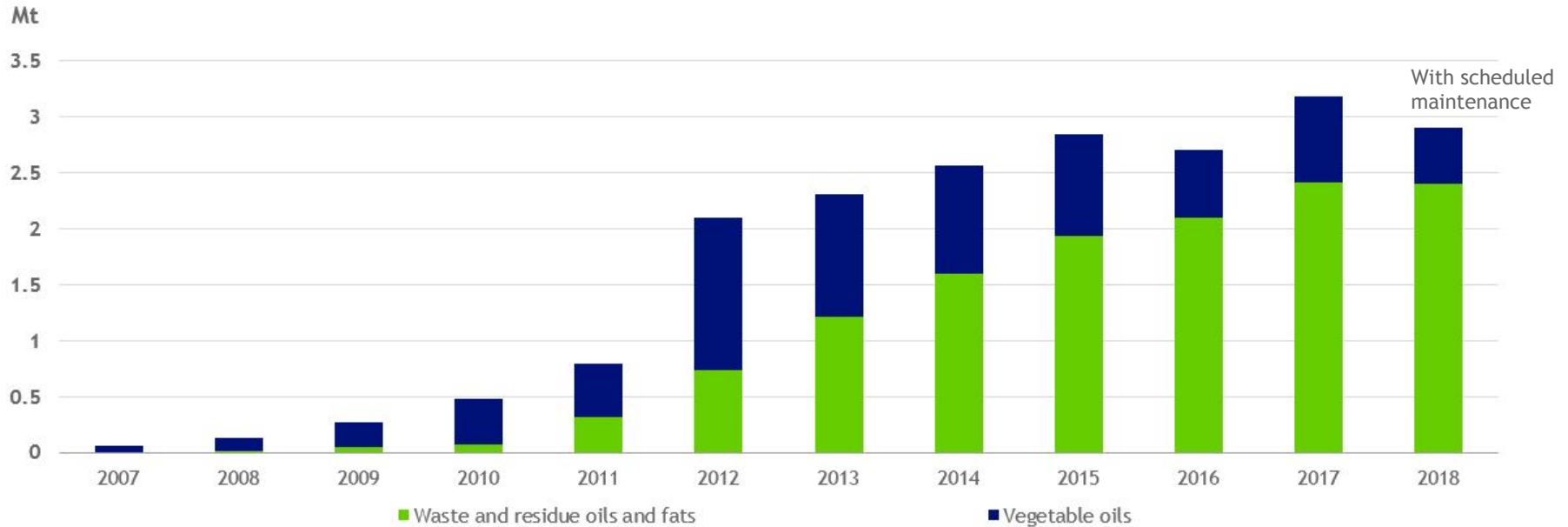
Camelina oil



Jatropha oil

80% waste and residues

Primary focus on waste and residue raw materials



Global Feedstock Growth: Building a global platform for access to available waste and residue feedstock



Currently
identified W&R
feedstock
market
~30 Mton



Neste's renewable fuels produced in 2018 reduced carbon emissions

7.9
million tons

Equaling
permanent removal of
**3 million
passenger cars**
from the roads

We will increase innovation to grow our raw material base and create new solutions

SHORT TERM



NEXBTL

LONG TERM



Range of technologies

An aerial, high-angle photograph of a long, multi-lane bridge stretching across a vast, deep blue ocean. The bridge's two tall, slender pylons are visible, supporting the roadway. The horizon is visible in the distance under a clear sky. The text is overlaid on the center of the image.

Our promise:
We will help our customers
reduce their greenhouse gas
emissions by at least 20 million
tons every year by 2030.

NESTE
The only way is forward