

An aerial view of a large container ship, heavily loaded with colorful shipping containers, moving through the water. It is being escorted by two smaller tugboats, one in front and one to the side. The scene is set during sunset or sunrise, with the sun low on the horizon, creating a warm, golden glow across the sky and reflecting on the water's surface. A white curved line graphic is positioned above the text.

Sustainable transport requires all solutions

Low emission marine fuels today and tomorrow

1 September 2022

Sveta Ukkonen, Head of Marine Fuels & Services, Neste



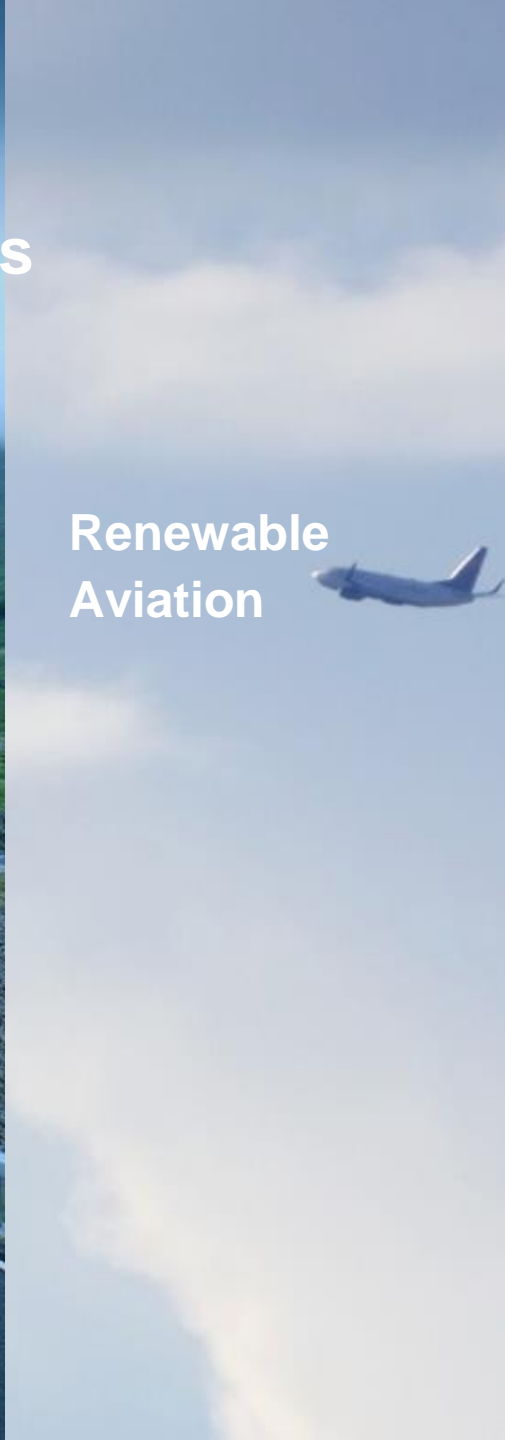
**Our purpose
is to create a
healthier planet
for our children**

Our businesses

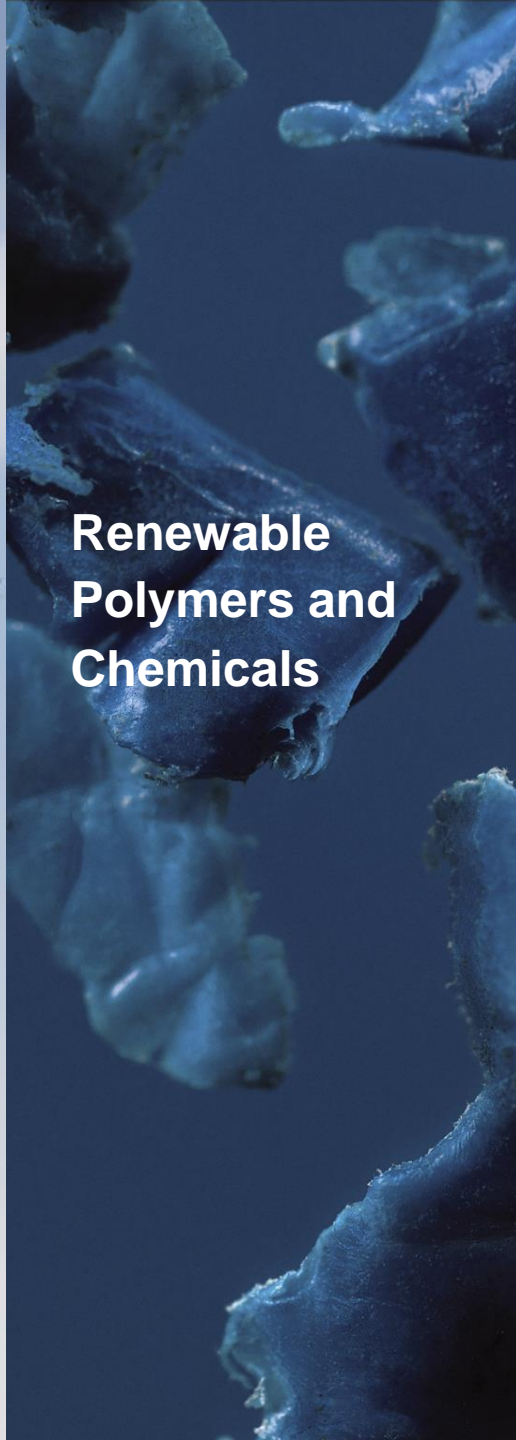
**Renewable
Road
Transportation**



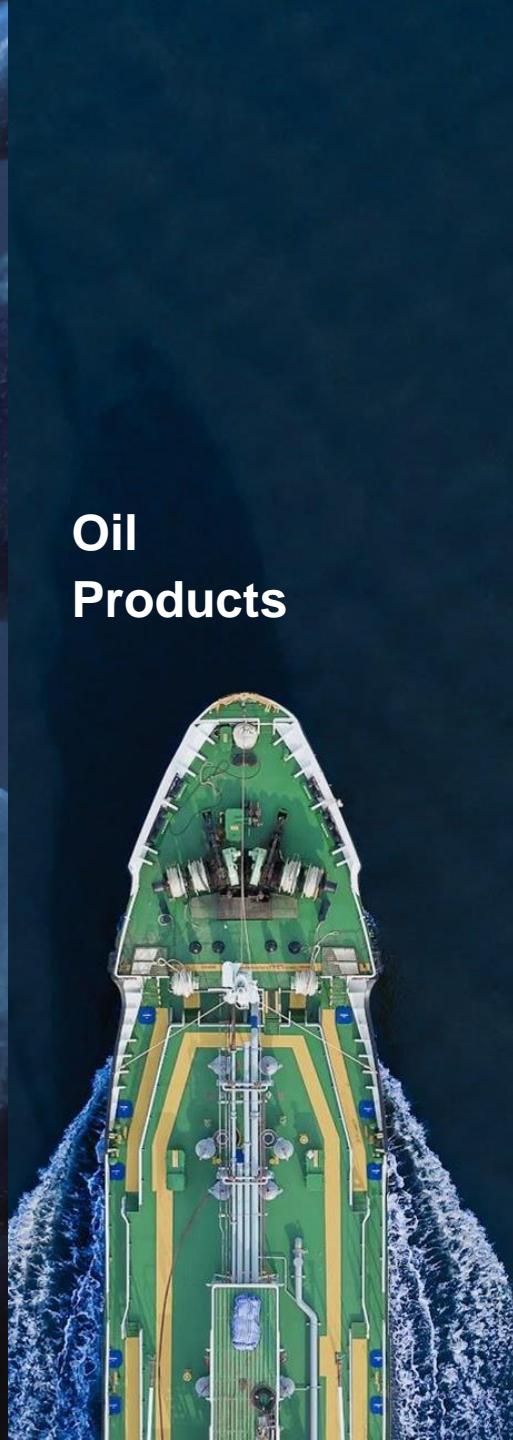
**Renewable
Aviation**



**Renewable
Polymers and
Chemicals**



**Oil
Products**



**Marketing &
Services**



Driven by our purpose



We are

4,872

dedicated professionals
committed to our purpose

In 2021, our customers reduced

10.9 Mt

greenhouse gas emissions with our renewable
products

In 2021, we reached

1,342 m€

comparable operating profit

Our journey to cleaner marine solutions



marine 0.1

First steps:
Neste Marine 0.1
for the Baltic Sea



marine 0.5

Global contribution:
IMO 2020 and
Neste Marine 0.5



Low-carbon shipping:
solutions for today
and tomorrow

Marine Low Emission Offering



1

Co-processed marine
fuel

2

New bio-blends and
bio-components

3

Renewable diesel
(HVO)

marine 0.1

Co-processed

Sustainable marine fuel reducing
up to 80% GHG emissions*

*over the lifecycle compared to fossil fuels



NESTE

Co-processed marine fuels



**SUSTAINABLE RENEWABLE
FEEDS**

FOSSIL FEEDS

**REFINING
THROUGH
CO-PROCESSING**

**CO-PROCESSED
MARINE FUEL**

**GHG
emission
reductions**

Neste Marine™ 0.1 Co-processed

Sustainable marine fuel reducing up to 80% GHG emissions* starting today



Up to 80% lower GHG emissions

Emission reduction compared to fossil fuels over the lifecycle*.



Easy to switch

Good compatibility and a composition similar to conventional marine fuels.



Renewable raw materials

ISCC PLUS certified raw materials reducing dependency on fossil resources.



Low capex

No investments in infrastructure needed.
Increase lifespan for existing assets.



Consistent quality

Compliance with ISO 8217 and SECA requirements, good stability, less operational problems.



Available now

Make an impact today. No need to wait for tomorrow's solutions.

The method used to calculate life cycle emissions and emission reduction is guided by the EU Renewable Energy Directive II (EU)2018/2001. Neste follows the development of Fuel EU Maritime initiative and will align its calculation method accordingly when the initiative comes into force.

NESTE

Sustainable, high-quality renewable raw materials used as feedstock for co-processed marine fuels

Neste uses a wide variety of sustainable, globally-sourced raw materials each year to produce its renewable products.

All the renewable raw materials Neste uses are sustainably produced* and traceable to the point of origin.

92%

of the total renewable raw material input in 2021 consisted of waste and residues.

Examples of renewable raw materials for co-processing



Used cooking oil



Animal fat
from food industry waste



Vegetable oils
(rapeseed oil, sunflower oil)

*Meeting or exceeding e.g. EU RED or US EPA requirements



Co-processed marine fuel is an opportunity

for shipping companies
to reduce their fuel
related emissions

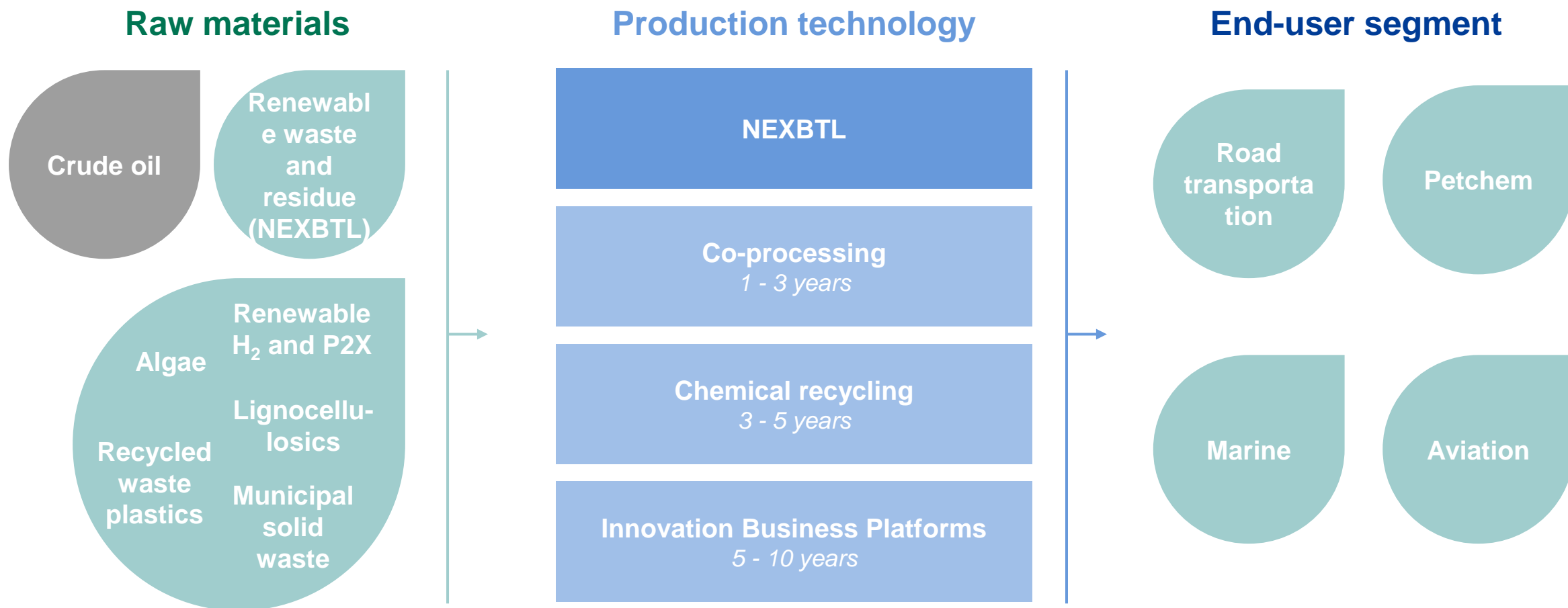
SCOPE 1

for cargo owners to
reduce their emissions
across the value chain

SCOPE 3

Developing the production technology at the Porvoo refinery to enable refining of lower-emission products

Near and long term alternatives



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Change finds a way when we work together.



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NESTE



NESTE
Change runs on renewables