

Revolutionizing medical and healthcare industry

**Healthy humanity, a healthy planet:
Enhancing sustainability in the
medical industry with renewable
and recycled polymers.**

NESTE

Health and Care Revolutionized

Utilizing sustainable alternative materials in medical technology isn't always feasible. Such alternatives need to satisfy the same requirements as the original product and typically undergo testing, including assessments of biocompatibility.

Additionally, research and potential safety and performance testing are prerequisites for alternative materials, incurring both time and financial expenses.

Strict demands on hygiene, safety and performance make it challenging to replace existing solutions with more sustainable alternatives.

Neste offers an alternative for crude oil based polymers and chemicals, while maintaining all the benefits of the products and meeting the quality specifications for plastics used in the healthcare sector.



Neste RE™: a more sustainable solution

Neste RE is a feedstock for polymers and chemicals that can meet the need for more sustainable alternatives to fossil materials. Made from 100% bio-based and recycled materials, it performs exactly the same as plastic produced from fossil resources, safe to use, comes with the same properties and is eligible for sensitive applications.



A much reduced carbon impact compared to regular plastics



Using waste and residue materials as feedstocks contributes to re-use and a circular economy

A wide range of uses and applications



Reduce emissions, enabling circularity

Neste RE™ can drastically reduce carbon footprint in material emissions and it is a more sustainable replacement for current virgin fossil based feedstock.

>85%

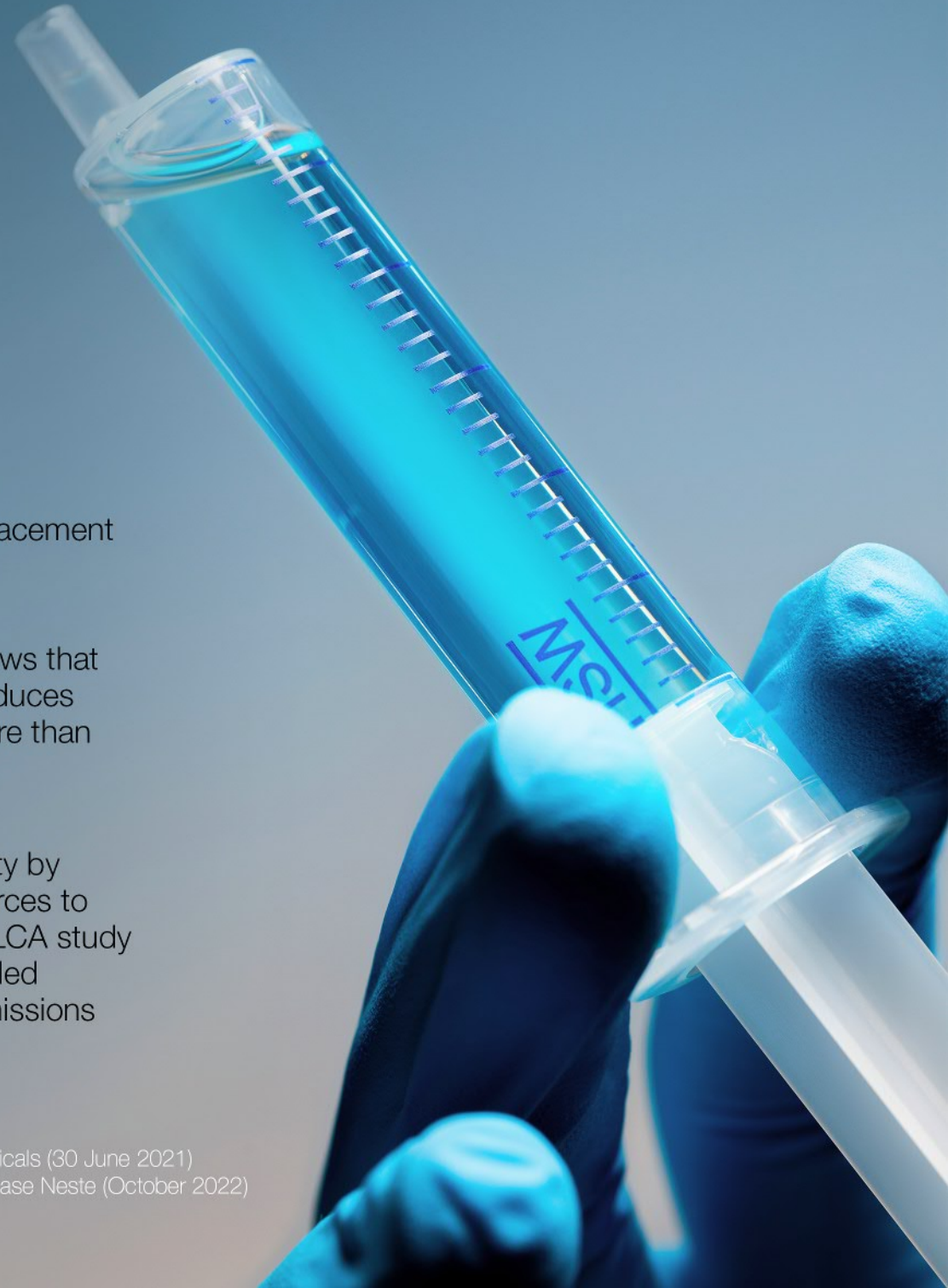
A Life cycle assessment (LCA) study shows that Neste RE 100% renewable feedstock reduces greenhouse gas (GHG) emissions by more than 85% over fossil feedstocks.¹

ca. 40%

Chemical recycling can increase circularity by reducing the need for fossil-based resources to make new polymers and chemicals. An LCA study of Neste RE made from chemically recycled feedstock showed almost 40% fewer emissions over fossil-based raw materials.²

¹ Life Cycle Assessment on Environmental Impacts of Neste Renewable Polymers and Chemicals (30 June 2021)

² Life Cycle Assessment on Environmental Impacts of Chemical recycling of waste plastic - Case Neste (October 2022)



A material that makes a real difference

Consistent quality: sustainability without compromise

Neste RE can be used for sensitive and high-performance applications without any compromise. Materials derived from Neste RE meet the same standards when it comes to quality and customer experience as the one it replaces. Furthermore, materials produced with Neste RE are suitable for reuse and recycling similarly to their conventional counterparts.

Drop-in solution: accelerated transformation

Neste RE is a drop-in feedstock which can provide an immediate alternative to the use of fossil resources in the manufacturing of materials at minimum investment. The switch to Neste RE, on its own or in a blend, can be done at low infrastructure costs, as they are fully compatible with existing infrastructures, ensuring a fast market adoption for the pressing needs for more sustainable materials.

About Neste RE™



Renewable and recycled raw materials



Combating climate change



Drop in solution, no new infrastructure needed



Proven technology



Large-scale production



Available now



Collaborating to create a more circular and renewable future for plastics

Neste works to reduce the environmental footprint of plastics in two ways: by reducing the carbon footprint of our products and by adding value to plastic waste. To achieve this, we cooperate with everyone involved in the value chain. Together with our wide and global network partnership, we accelerate the transition towards more sustainable solutions.

Transparency ensured: sustainability claims are credible

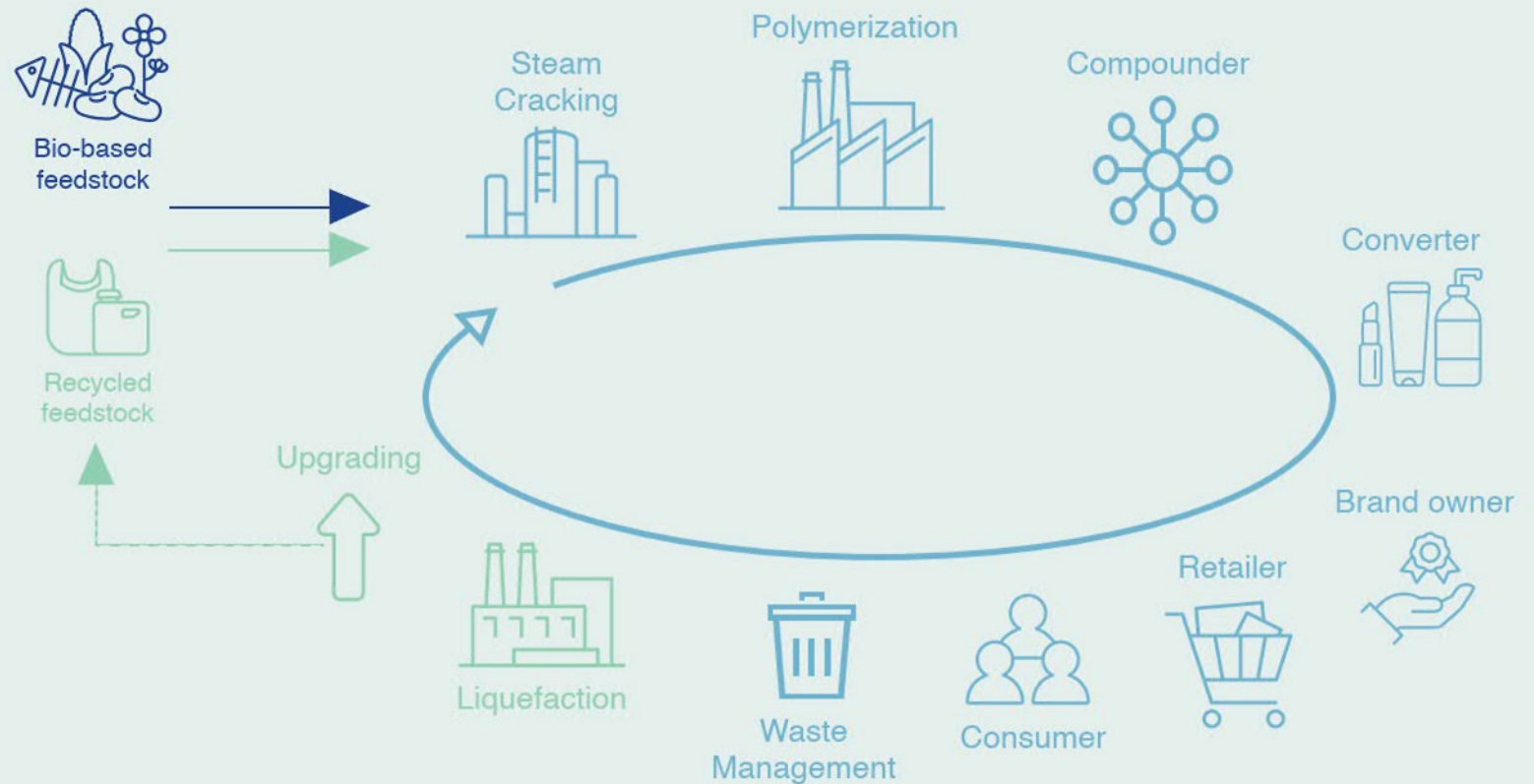
The need for sustainable materials is often seen as a challenge due to a great requirement for transparency and complex supplier management. This means full mobilization of industry is required, and all industrial value chains will have a key role to play. To ensure that sustainability claims are credible and verifiable, Neste links specific volumes to partners in the value chain with clear chain-of-custody traceability and third-party certification schemes, such as ISCC Plus certification.

Renewable

Reduction of fossil oil dependency & climate emissions

Recycled

Rethinking the end-of-life, circularity





Sustainable sourcing at Neste

Waste and residues account for over 90% of Neste's renewable raw material inputs globally. Raw materials used to produce the renewable feedstock are traceable to their point of origin. Neste only accepts sustainably-produced raw materials for our feedstocks from carefully selected partners. All of our contracts with our suppliers include strict terms on sustainability, such as commitment to sustainability, protecting biodiversity, and respecting human rights are requirements that must be met.

About Neste: change runs on renewables

Our purpose is to create a healthier planet for our children. We provide our customers and partners with low-emission solutions to the world's most pressing sustainability challenges. We build partnerships across the value chain so together we can create a future where all plastics and chemicals are made of renewable and recycled materials. Together with our partners we are aiming at a carbon neutral and nature positive value chain by 2040.

Neste in numbers

.....

1st

world's leading provider of renewable diesel and sustainable aviation fuels as well as a frontrunner in renewable and circular feedstocks for polymers and chemicals

.....

3.3 mt

production capacity for renewable products, set to grow to 6.8 Mt by end of 2026

.....

5,200+

dedicated professionals committed to our purpose

.....

11.1 mt

reduction in greenhouse gas emissions for our customers through our renewable products (in 2022)

Neste in brief

Neste (NESTE, Nasdaq Helsinki) creates solutions for combating climate change and accelerating a shift to a circular economy. We refine waste, residues and innovative raw materials into renewable fuels and sustainable feedstock for plastics and other materials. We are the world's leading producer of sustainable aviation fuel and renewable diesel and developing chemical recycling to combat the plastic waste challenge. We aim at helping customers to reduce their greenhouse gas emissions with our renewable and circular solutions by at least 20 million tons annually by 2030. Our ambition is to make the Porvoo oil refinery in Finland the most sustainable refinery in Europe by 2030. We are introducing renewable and recycled raw materials such as liquefied waste plastic as refinery raw materials. We have committed to reaching carbon-neutral production by 2035, and we will reduce the carbon emission intensity of sold products by 50% by 2040. We also have set high standards for biodiversity, human rights and supply chain. We have consistently been included in the Dow Jones Sustainability Indices and the Global 100 list of the world's most sustainable companies. In 2022, Neste's revenue stood at EUR 25.7 billion.

 facebook.com/NesteGlobal

 x.com/NesteGlobal

 linkedin.com/company/neste

Neste Corporation
Keilaranta 21
P.O. Box 95
FI-00095 NESTE, Finland
Tel: +358 10 458 11
www.neste.com

NESTE