

Media factsheet

June 16, 2022

K Fair 2022: Sustainability at DSM Engineering Materials

At DSM Engineering Materials, we are changing the world for the better by reducing our environmental impact, enabling sustainable solutions, advocating for positive change

Over the past decades, consumption and production of materials has created a series of interconnected environmental challenges. These include climate change, the accumulation of plastic waste and natural resource depletion.

At DSM Engineering Materials, our purpose is to create brighter lives for all. As such, we have strong ambitions to enable sustainable living by reducing the environmental impact of our operations and to keep ourselves accountable by driving transparency, we have put in place a series of stretching ambitions, we will take the next important steps in our sustainability journey, to significantly reduce the carbon footprint of our materials and enable circular and bio-based economy.

These ambitions are:



To achieve these ambitions, and to deliver on our purpose, we have defined key sustainability focus areas:

- **Greenhouse gas (GHG) emission reduction solutions:** closely managing the footprint of our products and solutions
- **Product stewardship and safety:** taking responsibility to control and minimize all possible safety risks and adverse effects on people or the environment
- **Brighter Living Solutions:** Products and services that deliver high performance while providing additional benefits to our society and environments.
- **SimplyCircular™:** our initiative driving circularity for our customer across multiple industries through high-performance recycled- and/or bio-based materials by focusing on:
 - o sustainable sourcing
 - o enabling circularity
 - o simple solutions

Timeline of key sustainability milestones:

- 2009** Introduction of biobased EcoPaXX®, with ~ 70% castor oil
- 2010** Introduction of biobased Arnitel® ECO, with up to 50% rapeseed oil
- 2016** Introduction of biobased ForTII® ECO, with up to 25% castor oil
- 2016** Start of CO2REDUCE program: reduce scope 1 and 2 at DSM Engineering Materials and engage with suppliers in order to reduce Scope 3 upstream
- 2018** Cooperation with APK to develop recycling multilayer food packaging films
- 2018** Collaboration with Starboard to transform discarded fishing nets into high-end surfboard components
- 2018** Launch of Akulon® RePurposed, a 100% recycled polymer made from discarded fishing nets
- 2019** Launch of Stanyl® biomass mass balanced
- 2019** Launch of the Circular Economy Ambitions of DSM Engineering Materials to have a complete portfolio available of bio- and/or recycled based alternatives by 2030
- 2020** Co-development of novel meat packaging material made from mixed post-consumer plastics, together with SABIC, Cepsa, Fibrant, and Viscofan
- 2020** Launch of strategic partnership with Neste to create high-performance materials made from sustainable feedstock
- 2021** Partnership with Sympatex to launch mass-balanced bio-based Arnitel® specialty materials
- 2021** Launch of accelerated ambitions for ALL materials of DSM Engineering Materials: 50% GHG and Carbon Footprint emission reduction by 2030
- 2021** First step: 50% GHG emission reduction realized for Akulon PA6 in Europe with a best-in class carbon footprint
- 2021** Collaboration with Dr. Schar to introduce first recycled plastic packaging for gluten-free bread
- 2021** Global innovation award for Akulon® RePurposed in Ford Bronco' and recognition by Ford as the first of many potential uses for recycled ocean plastics in a major vehicle platform.
- 2022** Partnering with Schneider Electric to develop First Home Energy Solutions Made from Recycled Ocean Plastics
- 2022** Partnering with Samsung Electronics to develop first smartphone made with recycled ocean-bound fishing nets
- 2022** NEW: Launch 100% bio-based Stanyl® with halved carbon footprint and same high performance to empower customer sustainability