

We are the world's leading company in the sector of **BIOPLASTICS** and in the development of **BIOPRODUCTS** obtained through the integration of **CHEMISTRY, ENVIRONMENT** and **AGRICULTURE**.

We promote a **BIOECONOMY** model based not only on the efficient and sustainable use of renewable resources, but also as a factor for territorial regeneration.

We are driven by **INNOVATION**: we invest in **R&D** activities and develop new proprietary technologies which allow us to constantly improve the performance and environmental profile of our products.

Our development model starts from local areas and creates **INTEGRATED BIOREFINERIES** by converting uncompetitive industrial sites, respecting the specific characteristics of the territories, in partnership with all stakeholders in the value-chain.

Our approach is cultural as well as industrial, with the aim to **CREATE JOBS** and **COMPETITIVENESS**, enhancing local skills and implementing training programmes at all levels.

- 1989** — Foundation of NOVAMONT (Fertec research centre)
- 1991** — Fertec incorporated into NOVAMONT
- 1996** — Acquisition of NOVAMONT by private and institutional investors including Investitori Associati and Banca Commerciale Italiana
- 1997** — 1st increase of production capacity of MATER-BI in Terni
- 2001** — NOVAMONT achieves break-even point
- 2004** — Technological development of biopolyesters ORIGO-BI
- 2006** — Kick-off of biopolyesters production in Terni (discontinuous process)
- 2009** — 2nd increase of production capacity of MATER-BI in Terni
- 2011** — Conversion of M&G plant's PET line in Patrica (FR) - First continuous line of biopolyesters
- Creation of Matrica, JV with Versalis in Porto Torres (SS)
- 2012** — Acquisition of a decommissioned plant producing lysine in Adria to reconvert it into a flagship plant for bio-BDO production. Mater-Biotech is founded
- Agreement between Mater-Biotech and Genomatica
- Acquisition of Piana di Monte Verna biotechnology research centre in Campania region
- 3rd increase of production capacity of MATER-BI in Terni
- 2014** — Patrica's site assignment. Foundation of Mater-Biopolymer (78% NOVAMONT)
- 2015** — Matrica: production of first chemical intermediates from renewable resources
- Agreement with Coldiretti for the development of agricultural value-chains
- 2016** — Grand opening of Mater-Biotech production facilities
- 2017** — Acquisition of 100% of Mater-Biopolymer
- 2018** — Conversion of the second PET line is completed and production of ORIGO-BI is doubled



WHAT IS MATER-BI

MATER-BI, designed and developed by **NOVAMONT**, is an innovative range of bioplastics which uses vegetable feedstocks. Thanks to its biodegradability and compostability properties it allows optimal organic waste management and contributes to the development of virtuous systems, with significant advantages throughout the entire production-consumption-disposal cycle.

One of the components used to make **MATER-BI** is the **ORIGO-BI** range of biopolyesters obtained from raw materials of renewable origin using proprietary **NOVAMONT** technology.

MATER-BI grades are all certified according to European and international standards by accredited bodies.

CHARACTERISTICS

Biodegradability and compostability (**EN 13432**).
Versatility and processability.

High performance standards.

APPLICATION SECTORS

MATER-BI products are used in many different sectors, such as large-scale retail distribution, separate waste collection, catering, agriculture and packaging.

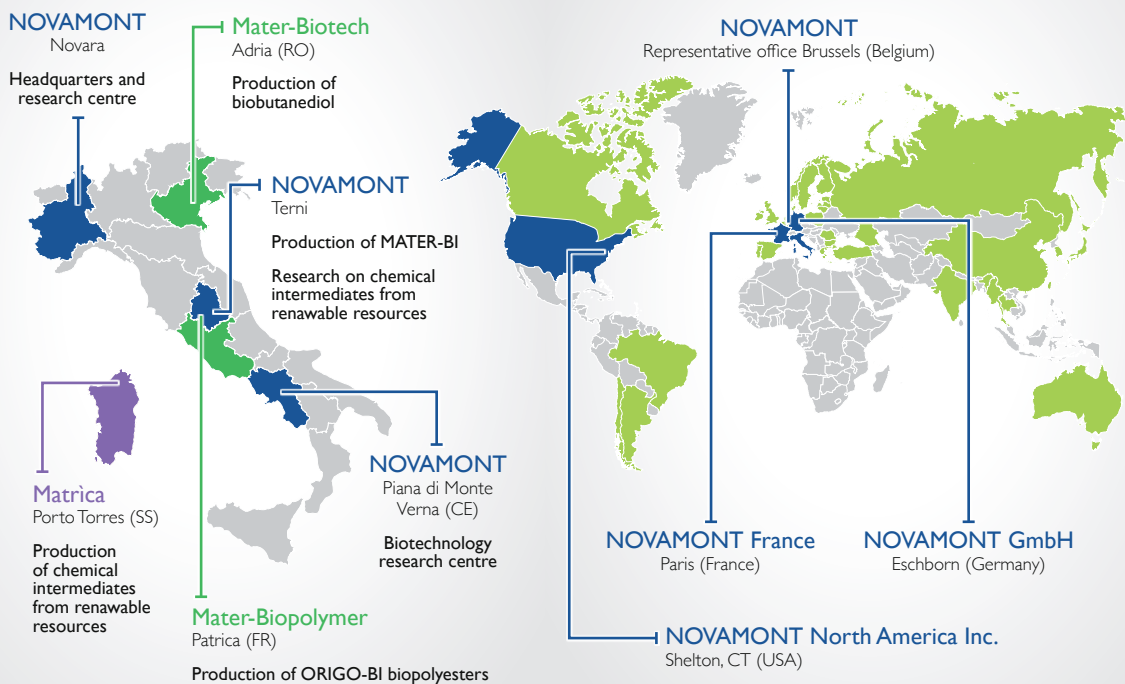
- 1989** — Biodegradable Mickey Mouse watch (Walt Disney)
- 1992** — Green Pen made from MATER-BI
- Production of first biodegradable bag made from MATER-BI
- 1998** — First MATER-BI package with Ecolucart in large-scale retail distribution
- 2001** — Launch of green tyre with Goodyear
- 2002** — Launch of Wave, a foam made from MATER-BI
- 2005** — Launch of Pneo, an innovative bag made from MATER-BI
- 2009** — 2nd generation of MATER-BI
- 2012** — Foodservice products made from MATER-BI at the London Olympics
- Separate organic waste collection using MATER-BI bags in Milan
- 2014** — Launch of prototypes of 3rd generation MATER-BI bags at Ecomondo
- Fruit and vegetable bags made from MATER-BI at Unicoop Florence
- 2015** — Foodservice products made from MATER-BI for Eataly at Expo Milan
- First compostable Lavazza capsule
- 2016** — Coop compostable capsule "Tintoretto"
- 4th generation of MATER-BI
- 2017** — Further increase of MATER-BI renewable content (> 40%)

NOVAMONT GROUP: WHERE WE ARE

IN ITALY

- Seats
- Business network
- Subsidiaries companies
- JV Novamont/Versalis

WORLDWIDE



OUR PEOPLE

➤ 600

Since 1996: more than **350** training activities for young researchers in collaboration with the leading research institutions in Italy and abroad and continuous training for personnel at all levels.

OUR 2017 IN NUMBERS

OVER 1,000 PATENTS

TURNOVER

> 195 million €

RESEARCH AND DEVELOPMENT

INVESTMENTS: **6%** of turnover
DEDICATED PEOPLE: **24%**



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