

ABOUT MATERIA NOVA

Materia Nova is recognized as a technological accelerator of sustainable innovations in the field of new materials and processes.

The R&D center offers five different services:

- **Materials and Processes conception and innovation**
- **Equipment Design and Process Upscaling**
- **Analysis and Characterization**
- **Life Cycle Thinking**
- **Project Development and Management**

The approach of Materia Nova is based on an open and collaborative innovation.

From the understanding of the problems and requirements of our customers, we jointly select the best scientific and technical solutions which are then tested on a pilot-scale before industrialization. The development and the service provided are always unique and customized and give effective solutions as well as a major competitive advantage to our customers.

OUR TECHNOLOGIES AND SOLUTIONS

Our expertise in **surface coatings and treatments**, in **polymers and composites** and in **biotechnology** is fertile ground for:

- **developing new functional performances of materials,**
- **taking up the energy and environmental challenges of our society,**
- **protecting and promoting the health sector.**

OUR STRENGTHS

- A multidisciplinary team of experts
- A wide range of cutting-edge equipment
- An open and collaborative innovation strategy at national and international level
- Innovative projects for and with industrial companies
- Collaborations with R&D centers and universities worldwide
- A strong network of companies, spin offs and start-ups (B-SENS, ESIX, IONICS and NANO4)

CONTACT

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UMONS
Innovation
Center



**MATERIA
NOVA** Materials
R&D Center

LIFE CYCLE THINKING

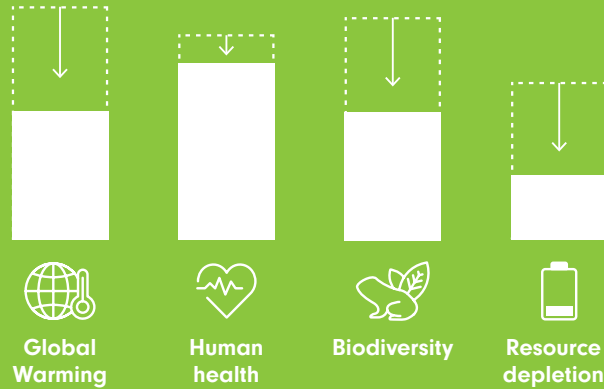
MATERIA NOVA,
THE TECHNOLOGICAL
ACCELERATOR
OF YOUR
ENVIRONMENTAL
PERFORMANCE

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We use internationally recognized tools and methods to support the development of a greener economy

Reduce your impacts:

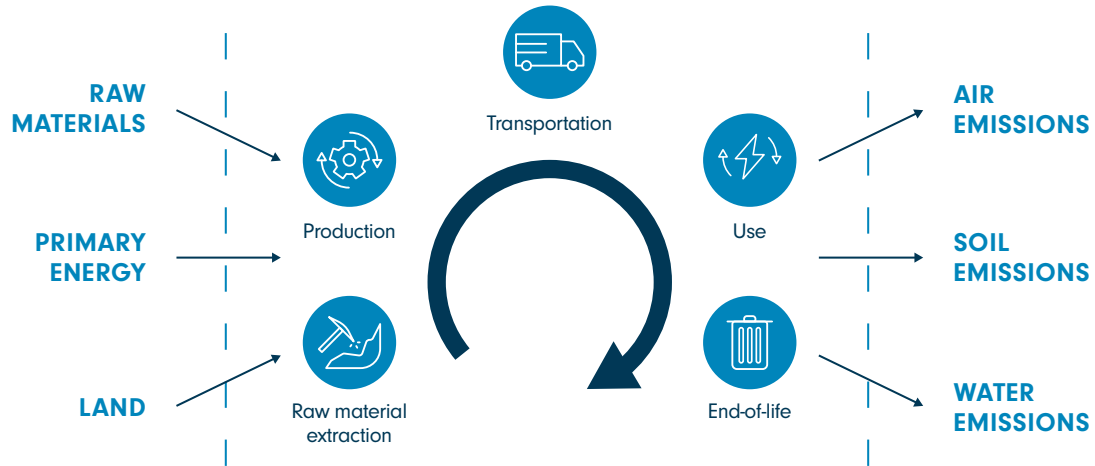


MEASURE

DEVELOP

IMPROVE

COMMUNICATE



Reduce your environmental footprint with a Life Cycle Perspective



Scientifically measure **the environmental performance** of your products and services



Reduce energy and raw material consumptions as well as releases into the environment and consequently **reduce costs**



Compare their performance to existing alternatives



Set up, develop and manage strategies and improvement plans at national and international level



Communicate the results to your clients, employees and investors to meet their expectations



Find new paths to pool, valorize and create synergies thanks to a broader industrial network



Ecodesign, develop or re-develop **environmentally responsible** products thanks to **clean technologies** in a systemic life cycle perspective



Join the circular economy with a product and organizational approach



Monitor and support compliance with **regulatory requirements**