

Radici InNova

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*The foundation of Radici InNova represents an important milestone for the whole Group on its path towards innovation, which was started many years ago. In fact, during the years, **innovation has been the key element** that distinguishes us and enables us to reach a variety of sectors and supply the market with competitive, cutting-edge products and solutions. By sharing the know-how and the competencies of the various Group business areas, it will be possible to develop **integrated advanced research projects**, in accordance with our **sustainability strategy** and inspired by the principles of **environmental protection** and the **circular economy**, ensuring constant growth and a better future for generations to come.*

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Angelo Radici
President of RadiciGroup

**We are
InNovators**



Radici InNova is a **consortium** set up to carry out Radici Group's strategic aims and to ensure **business continuity**, while improving **corporate competitiveness** and **creating value** for the community.

The new company's main object is the development of **new research and innovation projects** for the Specialty Chemicals, High Performance Polymers and Advanced Textile Solutions areas, in accordance with the RadiciGroup sustainability strategy.

By leveraging internal competencies and targeted relationships with third parties, **Radici InNova will manage and coordinate all the Group's strategically essential research activities**, with the objective of strengthening the role of innovation as a driver of RadiciGroup development.

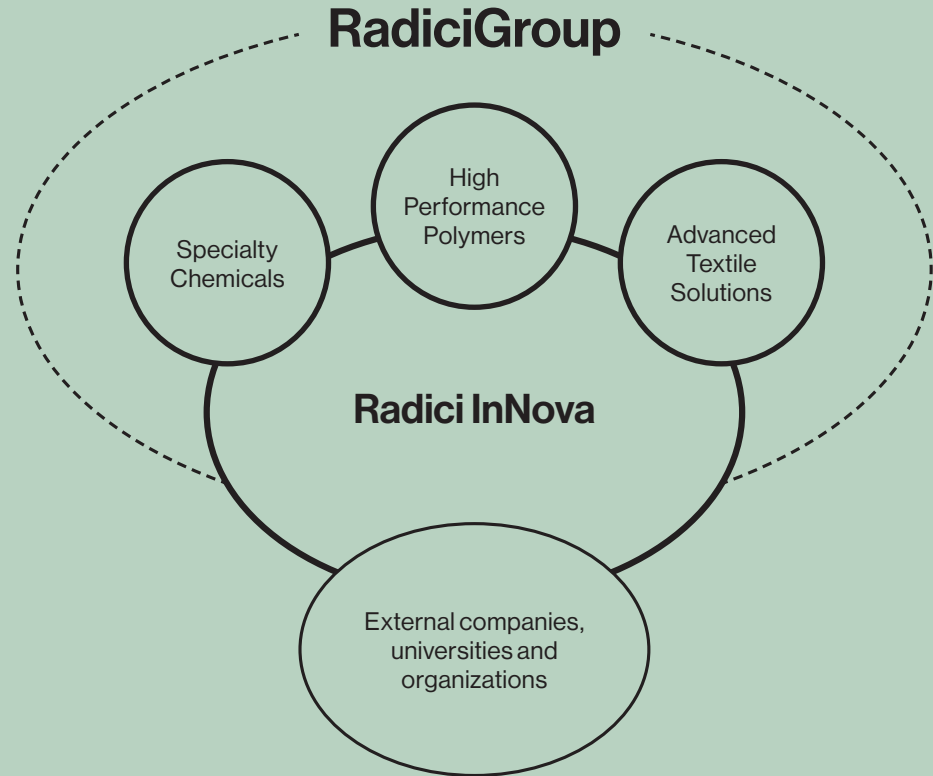
We are InNovators



A driver of Innovation inside RadiciGroup

From Research to Innovation

Radici InNova will promote **technological evolution** and applied research in **synergy** with companies, universities, and public and private research organizations, with the aim of **turning research projects into concrete opportunities for innovation** for all the RadiciGroup Business Areas.



Our Vision



Radici InNova is where chemistry, biology, engineering and technology come together to generate innovation.

We believe **research and innovation** have the power to **improve our lives** and the society we live in. Based on this belief, our goal is to become a top global company in **advanced and sustainable materials**, contributing through the creation of new value for the community.

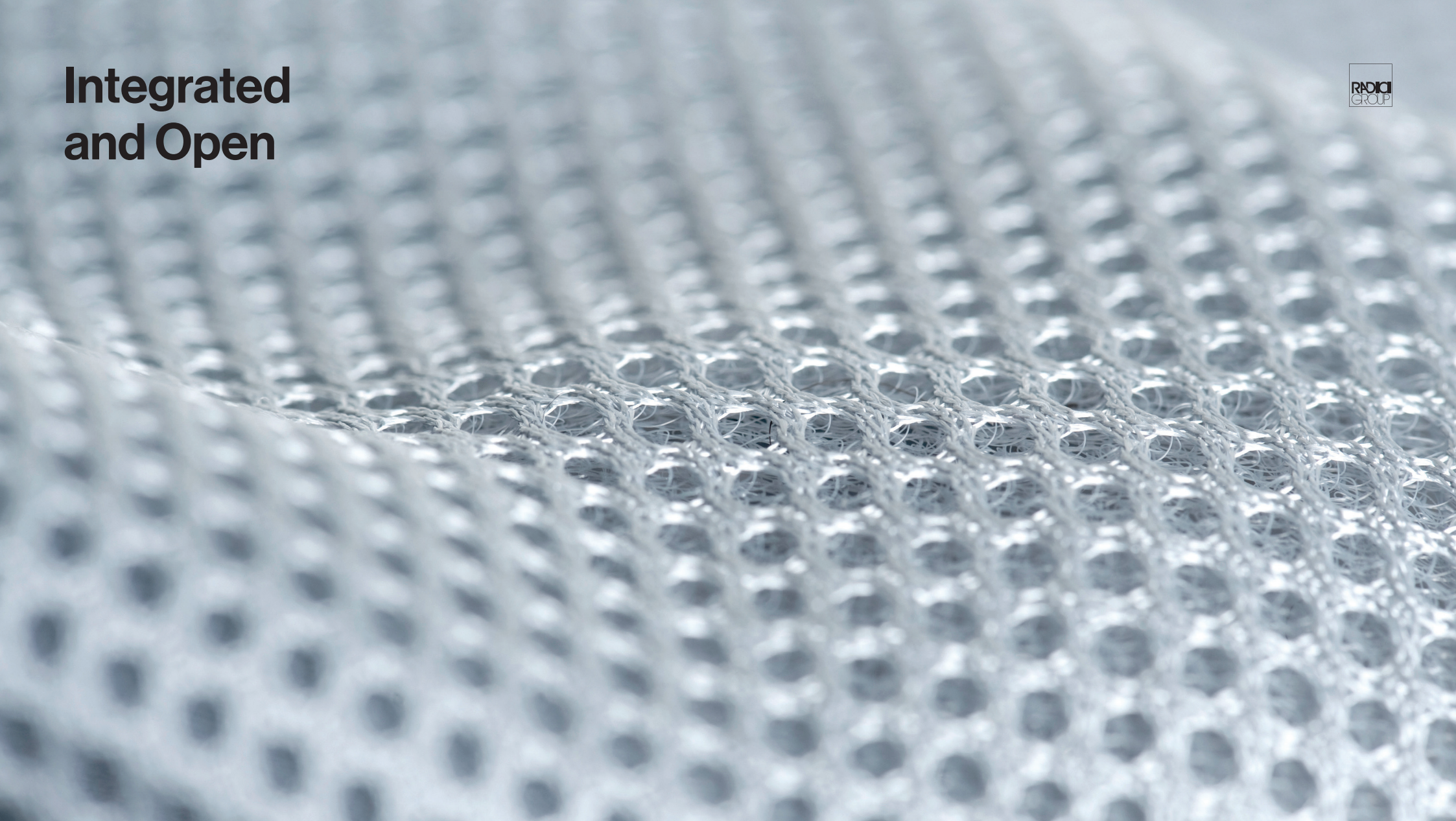
We want to proactively contribute to making industry increasingly greener through innovation and sustainability, the two main pillars of RadiciGroup's vision.

We not only imagine a **better future** but also actively work to change it today.

Our Goals

- ▶ **Develop innovative and sustainable processes** for the entire production chain to meet the challenges set by the European Union with regard to the circular economy.
- ▶ **Demonstrate the value of RadiciGroup products and processes** through the objective measurement of performance and environmental impact.
- ▶ **Anticipate the demands of the market** and stakeholders by proposing high performance, low environmental impact solutions.
- ▶ **Guarantee the future** of the Group by adapting to a continuously fast-evolving market.

Integrated and Open



Radici InNova works in close collaboration with:

Public and private research centres, universities, stakeholders, customers and suppliers in order to **integrate multidisciplinary experiences and competencies** and create new collaborations of interest for the development of innovative projects.

We share our know-how and competences

Radici InNova takes advantage of **all the specific skills at the laboratories and pilot plants**, as well as production facilities, of all RadiciGroup companies that are members of the Consortium.

The Group capitalizes on its **excellence and know-how in chemicals** to develop and realize products for numerous applications in a variety of industrial sectors, including automotive, apparel, furnishings, sport, electrical/electronics, household appliances, consumer goods and construction.

Areas of Innovation



Radici InNova research activities are focused on five macro-areas targeted at sustainability.

► 01.

Circular economy solutions

Promotion of projects that take into account **product end-of-life** at the very initial stages of product development and fostering the **use of raw materials with low environmental impact and better recyclability**, and formulations that consider the **entire life cycle** in terms of high durability and performance.

► 02.

Chemical intermediates based on renewable sources

Development of industrial processes for the synthesis of **bio-based chemical intermediates** to be used as building-blocks for the production of polymers from renewable sources not in competition with food and feed crops.

► 03.

Sustainable polymers

Development of **bio-based polyamides** aimed at meeting the increasing demand for sustainability coming from downstream industries, such as automotive and textile/apparel.

► 04.

New business opportunities

Creation of **innovative sustainable solutions** that aim to penetrate **new markets**, by enhancing the performance and functions of existing products.

► 05.

Sustainable Industrial processes

Continuous improvement of the **sustainability and performance of industrial processes** and search for new business opportunities.

01.

Circular economy solutions

- ▶ Development of production chain projects for the **management of post-consumer end-of-life products**, their recycling and re-use in the textiles and plastics industries.
- ▶ Design of innovative solutions using an **eco-design approach**, capable of **extending the useful life of materials** through end-of-life recycling, as well as **reducing their environmental impact** and enhancing their sustainability.
- ▶ Development of **new recycling methodologies** and strategies that take advantage of the most advanced technologies for the **recovery of post-consumer and post-industrial materials**.

02. Chemical intermediates based on renewable source materials

- ▶ Research of **new methods for the synthesis of chemical intermediates** for the Group's production needs, based on both traditional technologies and industrial biotechnologies and **obtained from renewable source raw materials** that make end products with superior quality, comparable to products made from materials of fossil origin.
- ▶ Promotion of virtuous and **sustainable local production chains**, from raw materials to product end-of-life.

03. Sustainable polymers

- ▶ Promotion and realization of **recyclable polymers based on monomers obtained from renewable source materials.**
- ▶ Promotion and realization of **high-performance polymers with reduced environmental impact** for the textile and engineering polymer industries.
- ▶ Development of **advanced integrated solutions** for various applications in targeted industries (textile, automotive, E&E, contract, industrial) through an ongoing exchange of know-how and competencies among Group companies.

04. New business opportunities

- ▶ Development of **new technological solutions**, achieved by combining various materials and technologies, used in the realization of products for **advanced applications** in a variety of sectors.
- ▶ Development of **new extrusion grade materials** for the production of monofilaments for various industrial applications.
- ▶ Design and development of innovative **continuous fibre thermoplastic composites**.

05. Sustainable Industrial processes

- ▶ Radici InNova supports the ongoing optimization of RadiciGroup industrial processes through the search for **innovative technological solutions**.
- ▶ Radici InNova makes its know-how available to RadiciGroup companies, so that **environmental impact measurements** can be carried out on their products and processes to **assess** their **sustainability in a scientific way**, guaranteeing repeatability and reproducibility.
- ▶ Radici InNova evaluates and selects **the best ideas** arising from the sectors of greatest interest to the Group.





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