



DOMOTEX

## PRESS RELEASE

BERGAMO, 20 JANUARY 2015

### DOMOTEX 2015

17-20 JANUARY

Come and see us: HALL 5 - STAND C32

## RadiciGroup for sustainability: our challenge.

---

*RadiciGroup believes that, in matters of environmental sustainability, innovation can only come from a rigorous and transparent approach. Starting from this conviction, the Group has put the systemic and rigorous measurement of not only environmental and economic performance indicators but also social indicators – product responsibility, human rights, labour practices and decent work, and society – at the centre of its action plan along its entire industrial production chain, from chemicals to plastics, synthetic fibres and nonwovens.*

---

In its policy aimed at continual improvement in environmental and product performance, RadiciGroup has set the following objective: to provide its target markets and stakeholders with information based on scientific, verified and comparable data. How? First of all, through the development and definition of *Product Category Rules (PCRs)* for its production chain, which specify how to measure and quantify the environmental impact performance of its products using *Life Cycle Assessments (LCAs)*, in order to obtain specific *Environmental Product Declarations (EPDs)*.

RadiciGroup was the first multinational to present and propose the concept of a production chain PCR to the International EPD System, from which it received positive feedback. Today, the PCR prepared by the Group and validated by the Swedish International EPD System (one of the most highly regarded bodies in Europe) is an international standard and model for any company in the industry that wants to measure the environmental impact performance of its products. But that is not all.

In Europe RadiciGroup was...

- The first chemical group with a company – Radici Chimica SpA – to be awarded Organisation Environmental Footprint (OEF) and Product Environmental Footprint (PEF) Statements of Compliance.
- The only European industrial group that has experimented with calculating a PEF based on production chain Product Category Rules (PCRs), which were defined by the Group and verified and registered with the Swedish International EPD System. Now these rules serve as the international standard and model to be used by companies in the industry to measure the environmental impact performance of their products.

At RadiciGroup sustainability is an active process involving people, concrete action, methodology, innovation, continual improvement and transparent communication.

Discover our [Sustainability Report](#) and [some of the key elements](#) of our Sustainability project.



## **Sustainability: eco-design and recycling at the centre of our attention ...**

Our starting point is the following assumption: **the eco-design of new materials can play a defining role in achieving sustainability.** Now more than ever, the environmental variable must be taken into account at the new product design stage, along with economic profitability, ease of

*RadiciGroup for sustainability: our challenge*

production, aesthetics and performance. **The concept of a new product is the foremost guarantee of its concrete sustainability performance.** Hence, we should reduce environmental impact by considering the entire life cycle of a product, starting from the design stage, when the future product is just a concept.

Eco-design must begin upstream of the production process and include all the various processing stages down to the finished product. This is the only way we can develop materials that are intrinsically recyclable “by design”, with no need for energy-intensive industrial processes. RadiciGroup is on a virtuous path involving all production stages and heading exactly in that direction: towards **the eco-design and optimization of production processes to achieve sustainable recycling, from polymers to engineering plastics to yarns.**

Let us consider, by way of example, the case of nylon synthetic fibres and fabrics...

Nylon fibres can be mechanically regenerated to obtain plastics and engineering plastics, with **no need for energy-intensive, high-emission chemical processes**, such as depolymerization.

RadiciGroup brings new life to its waste materials through  
**MECHANICAL REGENERATION.**

What is the value added?

**The lower environmental impact of its products.**

Discover our

**SYNERGY & INTEGRATION SUSTAINABILITY**

**PA6 AND PA6.6 RECYCLING PROCESS**

**SYNERGY & INTEGRATION SUSTAINABILITY**

**PET - RECYCLING PROCESS**

---

**RADICIGROUP** *Production and sales sites in Europe, North America, South America and Asia. Diversified businesses focusing on chemicals, plastics, synthetic fibres and nonwovens. Know-how. Vertically integrated nylon production. Constant commitment to guaranteeing its customers quality, sustainable innovation and reliability. All this is RadiciGroup, a leader in nylon chemicals. RadiciGroup products are used in applications such as: APPAREL – FURNISHINGS – AUTOMOTIVE – CONSUMER GOODS – CONSTRUCTION – ELECTRICAL AND ELECTRONICS – HOUSEHOLD APPLIANCES – SPORT. RadiciGroup, with its Chemicals, Plastics, Synthetic Fibres and Nonwovens Business Areas, is part of a larger industrial group that also includes textile machinery and energy businesses.*

---

**WWW.RADICIGROUP.COM**



RADICIGROUP PRESS OFFICE

Cristina Bergamini

Ph. + 39 035.715411

e-mail. [cristina.bergamini@radicigroup.com](mailto:cristina.bergamini@radicigroup.com)

*RadiciGroup for sustainability: our challenge*