Sustainability Report 2021

Essentials



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People and territories



In 2015, the United Nations developed an action programme for people, planet and prosperity, identifying 17 Goals (Sustainable Development Goals or SDGs) related to economic growth, social well-being and environmental protection. The UN Sustainable Development Goals are charting a new course of responsibility for companies around the world. And that is not all.

The ESG (Environmental, Social, Governance) factors underpinning the SDGs increasingly influence the ability of companies to operate, grow and create value, in the present and the long term. They are therefore opportunities that must be seized to maintain and increase competitiveness.

In this context, 11 Sustainable Development Goals refer to the social sphere and five goals are specifically dedicated to the environment. A way of emphasising that people are increasingly at the heart of any sustainability strategy, after many years focussed only on the environment. **People Sustainability is gaining a rightful place**.

In line with the vision inspired by the SDGs in the 2021 Sustainability Report, it is people and local communities that play a key role through numerous case studies that give examples of solid commitment. The values outlined in the new Code of Ethics are added to this, built by the Group's People for themselves and for all Stakeholders, which guide the reading and interpretation of the various chapters of the Report and help to illustrate the complexity and multiplicity of RadiciGroup's responsibility choices.





RADICI

The Sustainability Report always gives me the opportunity to look at RadiciGroup from a privileged vantage point, one that looks to the future, and to share some thoughts.

The UN 2030 Agenda is our main guideline for sustainability today. It presents us with an ambitious scenario, urges us to confront a multiplicity of challenges that impact our organisation from every point of view. Global markets and value chains are the other major driver to lessen the impact of our organisation, to become stricter in terms of sourcing and supply chain social conditions.

Here we have the ambition to be, for those we work with, enablers or facilitators on many issues: from the **circular economy** in which we play a leading role through **ecodesign** and **recycling**, to the **innovation** we put at the service of those who process and ultimately use our products. And we must also note the contribution we make to **decarbonisation**, a benefit for RadiciGroup and for Customers, Employees, local communities and all Stakeholders.

I am convinced that to be credible in this role, it is necessary to measure oneself to monitor the effectiveness of the path taken, and certainly the Sustainability Report is a vital tool to take stock of our results. In relation to the latter, I am particularly pleased to share with you the progressive increase of electricity from renewable sources, which now exceeds 50% across our Group. Increasingly more of our companies are using entirely green energy and making a responsible

choice for the environment and future generations. Similarly, the significant investments in the chemicals sector made last year have enabled us to reduce direct emissions per ton manufactured by 18,7% compared to 2019 and by 60% between 2011 and 2021. An excellent achievement that encourages us to continue on this path: working earnestly on state-of-the-art products that also perform well in terms of sustainability.

The young people in our family look at us and ask us what our and their role will be in the years to come. The answer I share with my brothers is that our companies must continue to be places where people are valued for their uniqueness, can count on safe working conditions and respect for their rights.

Looking at the figures in the 2021 Sustainability Report, I am pleased to note that **our staff** is growing, with increasingly more women. The younger generation is also increasingly working alongside senior Workers, bringing skills and enthusiasm, and drawing on the valuable wealth of knowledge of those who have had their entire professional careers with us, at RadiciGroup. I thank all of you, our sustainability results (and more) are the result of the hard work of more than 3,000 Employees worldwide.

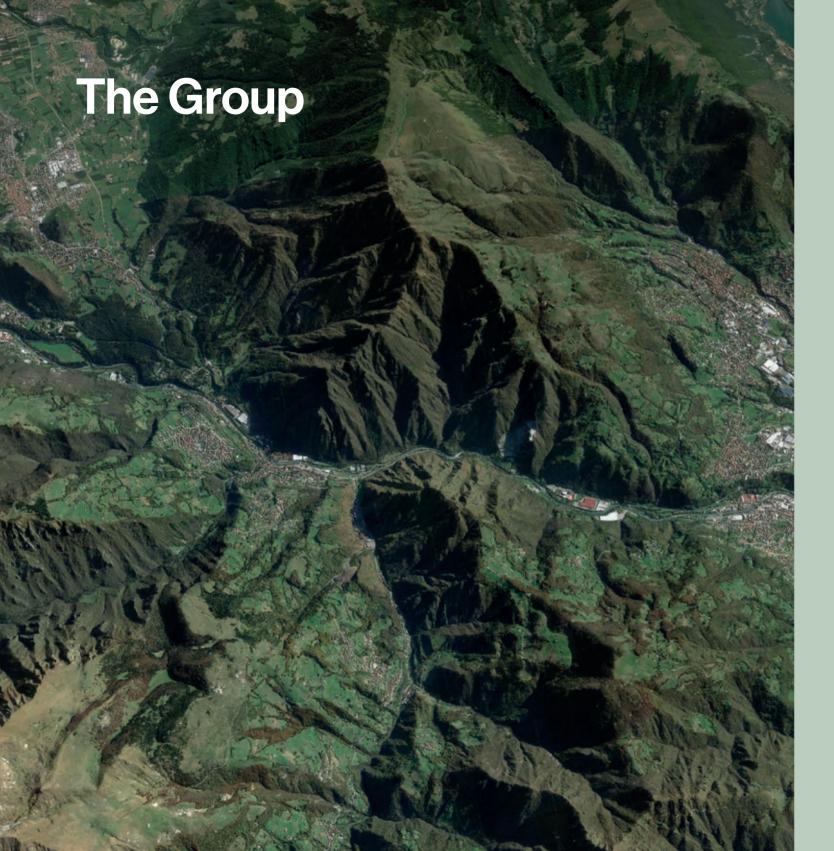
If people are one of the main keys to understanding the Report, territories are another, equally important one. The Seriana Valley where we were established, but also the Europe that saw us grow and the world that is our horizon today. In each of the communities where we are located, the territory is listened to and supported. Projects with schools, the choice to support the local

neighbourhood or the municipality, initiatives with employees' families. Reading the Report myself I am amazed at the quality and quantity of the initiatives. In each of these choices our Values are reflected, the same ones reaffirmed by the Code of Ethics that we renewed in 2021 and which marks the chapters of the Report.

After two years during which we were convinced that we had experienced every possible difficulty, 2022 also opened with great uncertainty. I am confident because in our Group, and this Sustainability Report confirms my belief, we have all the resources and potential we need to continue to do well. We know how to be responsive, innovative and tenacious while remaining true to our roots, to our style, cultivating that pride in being RadiciGroup that makes us special.

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Angelo Radici President of RadiciGroup



Who we are

RadiciGroup is one of the world's leading producers of a wide range of chemical intermediates, polyamide polymers, high performance polymers and advanced textile solutions, among which nylon yarn, polyester yarn, yarn made from recovered and bio-source materials, nonwovens and personal protective equipment for the healthcare and industrial sectors.

RadiciGroup products are the result of the Group's outstanding chemical expertise and vertically integrated polyamide production chain and have been developed for use in a variety of industrial sectors. The basis of the Group's strategy is a strong focus on innovation, quality, customer satisfaction, and social and environmental sustainability.

Our Mission

- To promote the development of our businesses while pursuing our Group values and culture.
- To pursue our vision by valorising and optimising our resources, establishing alliances and searching for new markets, including niche markets.
- To embed sustainability into new product and application development.



The Code of Ethics

Governance underpins RadiciGroup's structure, guides its strategic choices and guides its environmental and social responsibility policies. To further strengthen its governance, in July 2021 RadiciGroup adopted a new Code of Ethics, in line with the most advanced sustainability criteria.

The Code of Ethics came from the passion of around 60 Employees of different ages and nationalities, with recent or established professional backgrounds, who have contributed to building the Group's vision today and in the future, without forgetting its origins. On the basis of their experience and expertise they have built the Corporate Values, laying the foundations, through principles shared with all Stakeholders, for the sustainable growth of RadiciGroup in every part of the world.



Values



01. Legality and respect for the law: a guarantee for all of us

Our Group respects, and is committed to enforcing in all companies, the laws of the countries where it does business.

We support the dissemination of a culture of active legality, in the conviction that, even in the workplace, dignity, freedom, security and solidarity are values to which everyone must contribute.

03. Health and Safety at work

Health and Safety are of paramount importance to us. This fuels our commitment to comply with all measures required by current regulations and beyond. We also act proactively to constantly analyse risks and prevent accidents. Employee training and involvement make the difference in our Group.

02. Sustainability drives us

Our processes are optimised, we invest in reducing impacts and in producing products with measured and limited environmental performance. We promote training and are attentive to Workers' Health and Safety because RadiciGroup recognises the centrality of the Person as its key principle.

We work together with the local communities, where most of our Employees come from, for harmonious growth.

Together with our Stakeholders, we have always realised our commitment to sustainability to create shared value.

04. Our capital, is, above all, human

The Person is at the heart of our strategy. We promote professional development by recognising merit, valuing skills and investing in training.

We consider work-life balance a pivotal point for an optimal corporate environment.

05. Elements creating value

We are a local and, at the same time, global Group. Diversity is one of our strengths, an element that gives value to choices. That is why we promote the principles of equal opportunities and inclusiveness and reject all discrimination based on gender, racial and ethnic origin, nationality, age, political opinions, religious beliefs, health status, sexual orientation and socio-economic status.

07. We feel responsible

Each one of us is committed to taking responsibility for our actions, to respecting the time schedule in carrying out our work, to respecting all Stakeholders. We are convinced that any mistakes made in daily work are an opportunity to grow.

06. **Never without fairness and transparency**

Fairness and transparency are among our key principles. Every process must be clear with regard to roles and responsibilities, every decision must be justified and taken without departing from the principle of good faith, respecting the rules and People. Our relationships with everyone we work with are built in the name of transparency, while respecting the obligations of confidentiality.

08. **Team spirit is our best raw** material

We are confident that sharing information and experiences between different functions of the same company, as well as between different companies of our Group, helps us grow.

We want to nurture a culture of collaboration between company functions and promote initiatives to strengthen our team spirit, the most important of all our raw materials.



The United Nations Sustainable Development Goals (SDGs)

When the United Nations developed the 2030 Agenda, the ambitious programme of action for people, planet and prosperity based on equitable economic growth, social welfare and environmental protection, they first called upon companies. The latter have been entrusted with an important responsibility, to put their resources at the service of all-round sustainability.

RadiciGroup has not shied away from the challenge. Year after year, the Group shares the spirit of the SDGs and makes a real contribution to their achievement through numerous initiatives described in this Sustainability Report and highlighted by the iconic features in the various chapters.





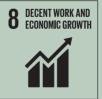
































The Group

The Group Quality, **Environment, Energy, Health and Safety Policy**

This Group Quality, Environment, Energy, Health and Safety Policy is an important embodiment of the principles that inspire RadiciGroup in the implementation of the United Nations Sustainable Development Goals.

An integral part of Group Governance, it guides the ethical, compliance and quality standards that RadiciGroup has set over time.





Looking at added value from a broad perspective, **ensuring** continuity and being inclusive of all Stakeholders. This is how RadiciGroup brings to life its corporate values: putting people at the centre of everything it does, reliability. fairness and transparency. By following these guidelines. the Group ensures the quality of its products, promotes occupational health and safety, and carries on business with respect and care for the environment. A long-term commitment to the pursuit of truly sustainable social. economic and environmental development driven by innovation and research is the foundation for the engineering and advancement of the Group's technology, processes and products.

Within the above framework, RadiciGroup pursues the objective of increasing cooperation and synergy among the functions of the Group Business Areas to build a path towards the optimisation and excellence of each process through the **continual improvement of activities**. transparency in operations and communications, and quality and performance of products and services – all in close collaboration with Stakeholders.

Diligent compliance with the laws and regulations on the environment, occupational health and safety, and prevention of harmful incidents potentially affecting products and production processes is the fundamental basis of every Group business activity. To this end. RadiciGroup companies have adopted Quality, Environmental, Energy, **Health and Safety Management Systems**, duly certified by recognised certification bodies and based on a set of welldefined procedures, understood at all organisation levels. In order to ensure the quality of its products and services,

the Group has numerous tools at its disposal that enable

its companies to develop robust and reliable processes, meet the most exacting requirements and foster continual improvement. As regards the **environment** and **energy**. RadiciGroup is engaged in optimising performance and working towards targets that can be seen and measured. by investing financial, human and technological resources to monitor and reduce environmental impact. At the same time, the Group is engaged in promoting commitment to the environment among its Customers. Suppliers and **Workers**, in particular through activities aimed at getting all Stakeholders involved. The Group's environmental agenda covers its entire production value chain, including the calculation of the environmental footprints of the main products and services and feasibility assessments of using ecodesign and circular economy principles, wherever

RadiciGroup Management is aware of the fact that worker **health** and **safety** is always a **top priority** and of central importance. Thus, Management ensures the application of the safety standards set out in the applicable laws and regulations, regularly verifies compliance with said standards and assesses their effectiveness, with the aim of improving accident prevention and reducing accident risk. Group Management also promotes transparent and collaborative relationships with local authorities and communities. furthers the implementation of worker consulting **mechanisms** and encourages worker participation in corporate processes. Moreover, the Group invests sizeable resources in training Workers to increase knowledge and raise awareness of how important the contribution of each single Worker is in achieving the overall result.

Angelo Radici

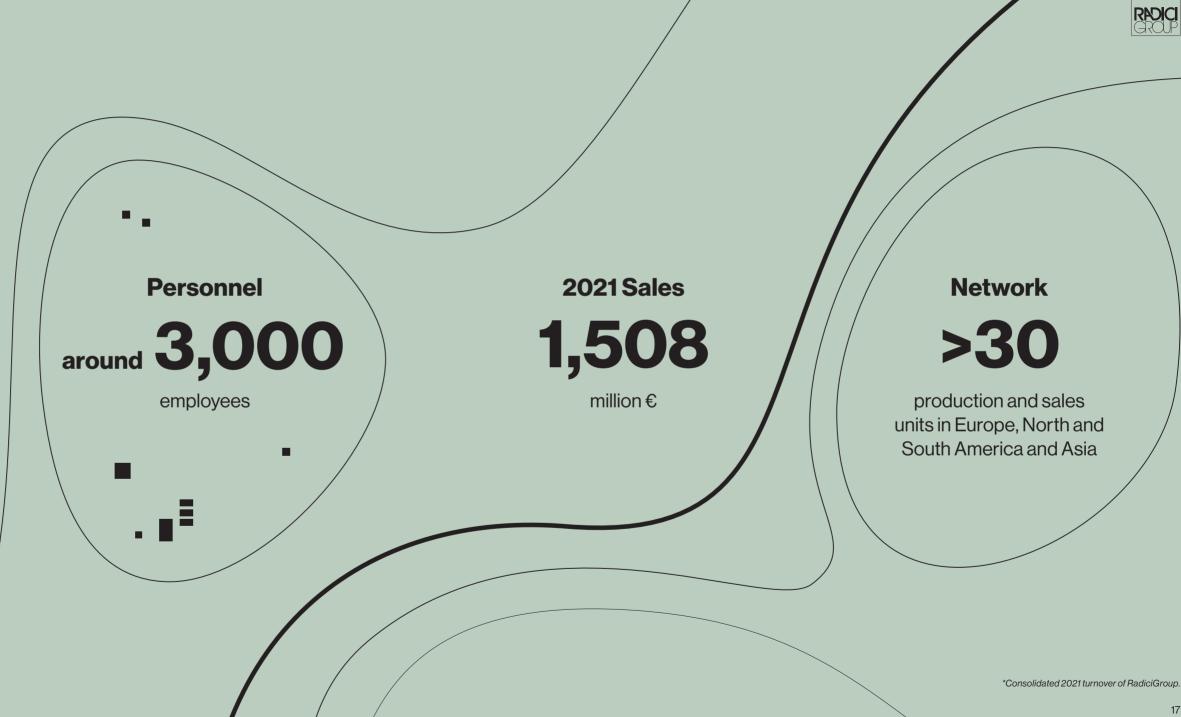
Maurizio Radici

President of RadiciGroup

Vice president of RadiciGroup

June 2019

Figures making a difference







Europe

Czech Republic

Podbořany

France

Saint Priest

Germany

Lüneburg

Selbitz

Tröglitz

Hungary

Szentgotthárd

Switzerland

Stabio

United Kingdom

Wakefield

Romania

Săvinești

Spain

Barcelona

North and South America

Argentina

Buenos Aires

Rio Grande

Brazil

Araçariguama

São José dos Campos

Mexico

Ocotlán

USA

Wadsworth

Italy

Ardesio

Buronzo

Casnigo

Chignolo d'Isola

Gandino

Novara

Villa d'Ogna

Asia

China

Shanghai

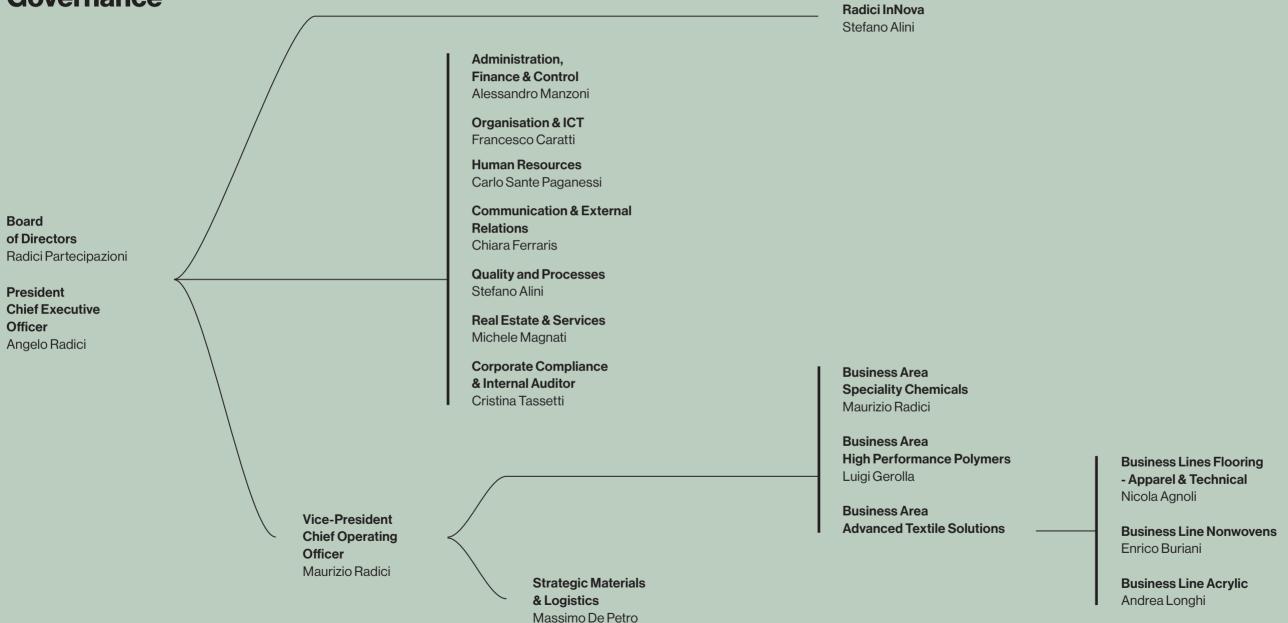
Suzhou

India

New Delhi

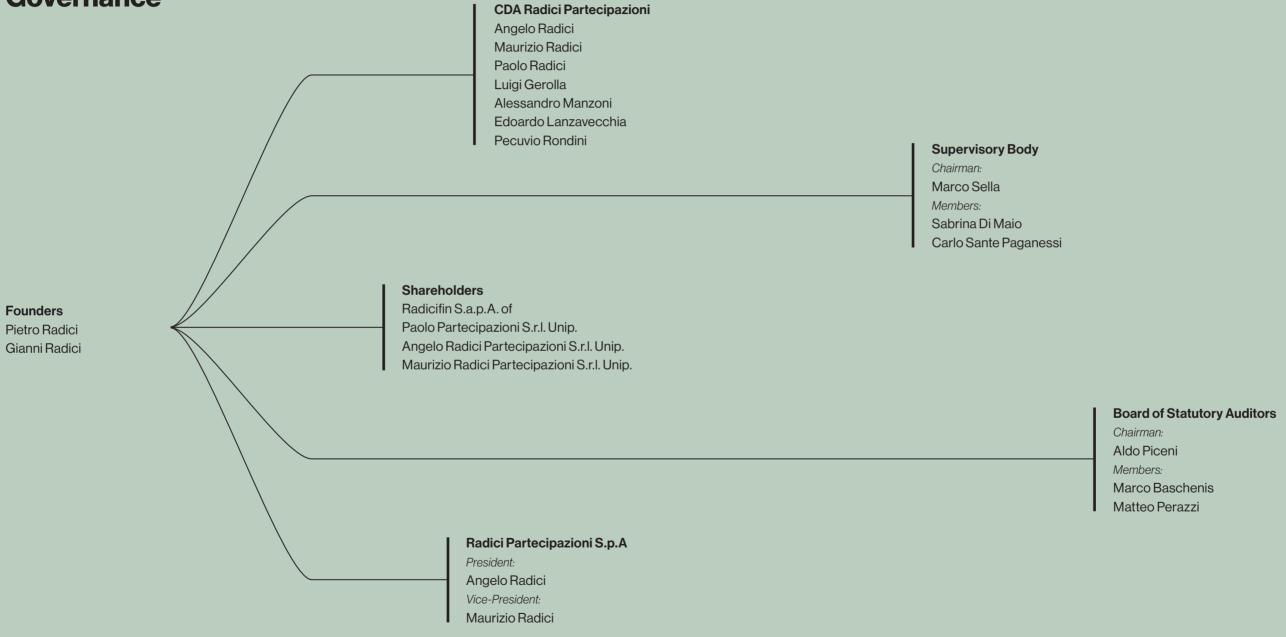
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RadiciGroup Governance

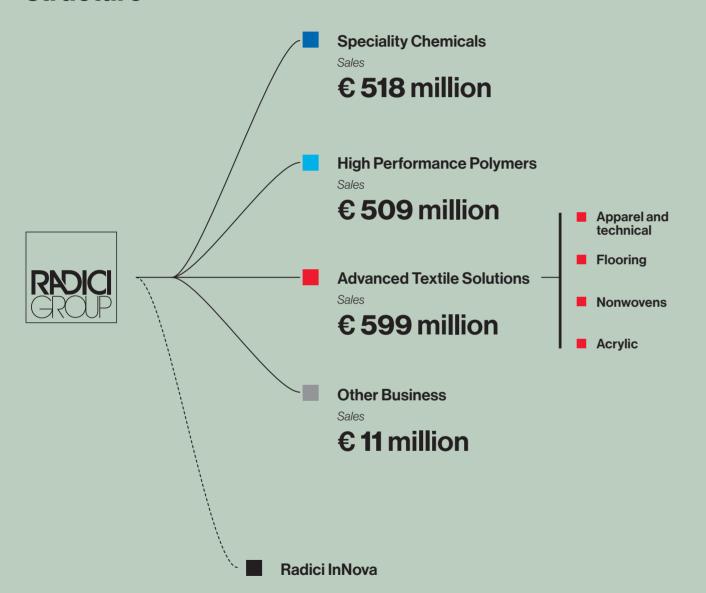


RADIC

RadiciGroup Governance



Organisational structure





The RadiciGroup Business Areas

Speciality Chemicals Area

This business area specialises in the production of chemical intermediates, PA6, 66, 610 and speciality polymers: raw materials used for the manufacture of multiple products both directly by the Group, for further processing in the high-performance polymer and fibre sectors, and by Customers.

High Performance Polymers Area

Specialising in the production of high-performance polymers, including from bio-based or recycled sources. RadiciGroup engineering polymers have numerous chemical-physical-mechanical properties depending on the type of application for which they are used.

Advanced Textile Solutions Area

This Business Area covers a variety of product types ranging from polyester thread, nylon thread, non-woven fabrics from fossil, recycled and partially or wholly bio-based sources.

Radici InNova. The Source of InNovation.

The 3 business areas are flanked by Radici InNova, a consortium company which aims to develop new research and innovation projects for the chemicals, high-performance polymers and advanced textile solutions sectors, in line with the Group's sustainability strategy.





RadiciGroup products are present in every aspect of everyday life. Their properties – durability, performance and, in many cases, sustainability – make them the ideal choice for Customers all over the world. Below is an overview of the main products and their respective application sectors.







Electrical & Electronic



Automotive



Medical



Industrial



Sports



Interior & Outdoor

RADICI

Automotive

A relevant presence as for engineering plastics in the car structural parts and in engine components, batteries and charging systems of electric and hybrid vehicles. Advanced textile solutions with yarns and nonwovens for car interiors: mats, seats and trunk lining. A cutting-edge know-how to ensure safety, performance and sustainability of materials.



RAOICI

Interior & Outdoor

Innovative textile solutions with yarns for flooring, curtains, sun protection systems, upholstery of furnishing accessories such as sofas and armchairs.

Nonwovens for the construction and roofing sectors.

Engineering polymers for household appliance components, water management systems, along with the electrical and electronic sector and furniture.



RADICI

Apparel

Cutting-edge know-how for applications in clothing, from sportswear to underwear, from hosiery to athleisure and beachwear. Functionalized yarns to enhance garment comfort, wearability, durability and performance, with special focus on reducing their environmental impact.



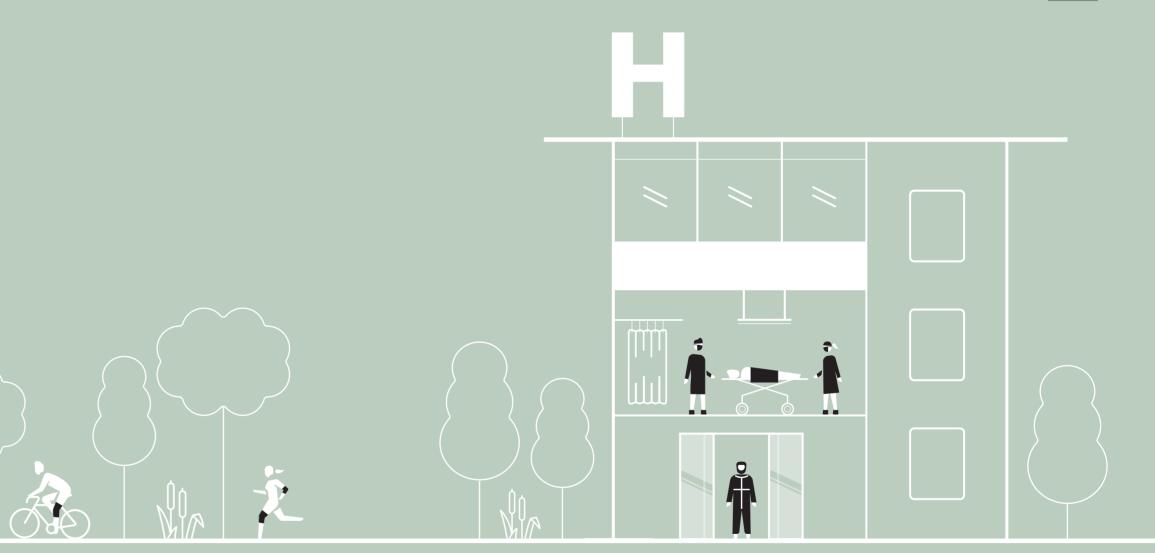
Medical

RADICI

Safe and **high-performance** materials that contribute to **daily well-being and health**.

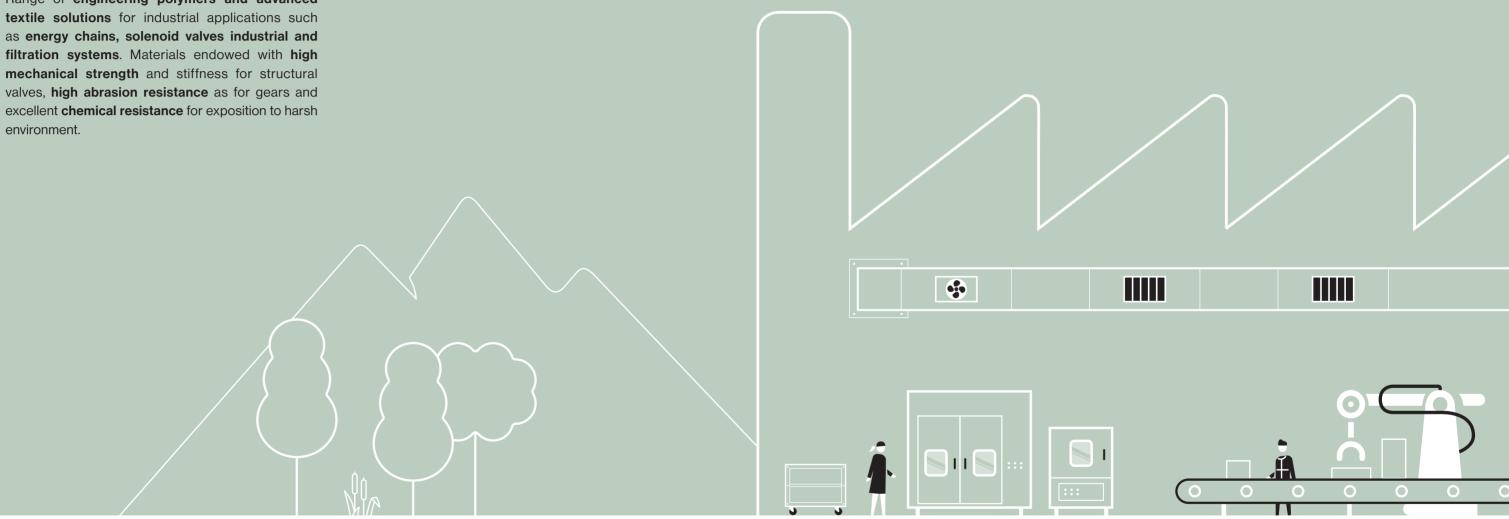
Med-tech yarns for braces, sheaths sportswear, bandages, graduated compression stockings and clothing for healthcare personnel.

Nonwovens for medical protective devices such as gowns, suits, caps, shoe covers and face masks.



Industrial Sector

Range of engineering polymers and advanced



RadiciGroup: one group, multiple worlds

RadiciGroup is a structured and multifaceted reality that, in addition to its core businesses described above, is also part of a larger industrial organisation that includes textile machinery (Itema), energy (Geogreen) and the hotel (San Marco) businesses.



The history of Itema Group traces back to the entrepreneurial vision of Gianni Radici who has built, throughimportant partnerships and acquisitions, a solid company at the pinnacles of the textile machinery industry since 1967. Headquartered in Colzate, 60% of the shares of Itema belong to the family of the heirs of Gianni Radici, while the remaining 40% belongs to the Arizzi and Torri families.

With 1,099 Employees in 7 production plants and 15 branches around the world, Itema Group generated an overall turnover of € 308 million in 2021.

- The parent company Itema® is today among the world leaders in the supply of advanced weaving solutions. It is also the only manufacturer in the world to provide the market with the top three shuttleless weft insertion technologies: rapier, airjet and projectile.
- Itema Group is also active in the industrial sector through Schoch®, manufacturer of accessories for the textile industry, and Lamiflex®, producer of components in composite materials for the textile machinery, industrial, aerospace and medical sectors.
- Itemalab®, Itema®'s advanced research incubator, also offers to third companies transversal systems engineering and business process reengineering services.





An Italian group founded in 2000 as the sole energy Supplier for RadiciGroup, with its companies GeoEnergie SpA and Geogreen SpA it is now **one of the most qualified Suppliers** of an integrated system of products and services:

- Supply of renewable electricity and natural gas.
- Production of Hydroelectric and Thermoelectric
 Energy from Cogeneration.
- Development of renewable energy and district heating projects.

- Consulting services for energy efficiency management, quota management and CO₂ emission rights.
- Trading of energy efficiency certificates (white certificates) and Guarantees of Origin from Renewable Sources (GO).
- With a constant awareness of the need to protect the environment and in particular water, a key resource for its activities, the Geogreen group operates under the most advanced standards of sustainability and in harmony with the local areas where its power plants are located and to which it offers 100% renewable energy.

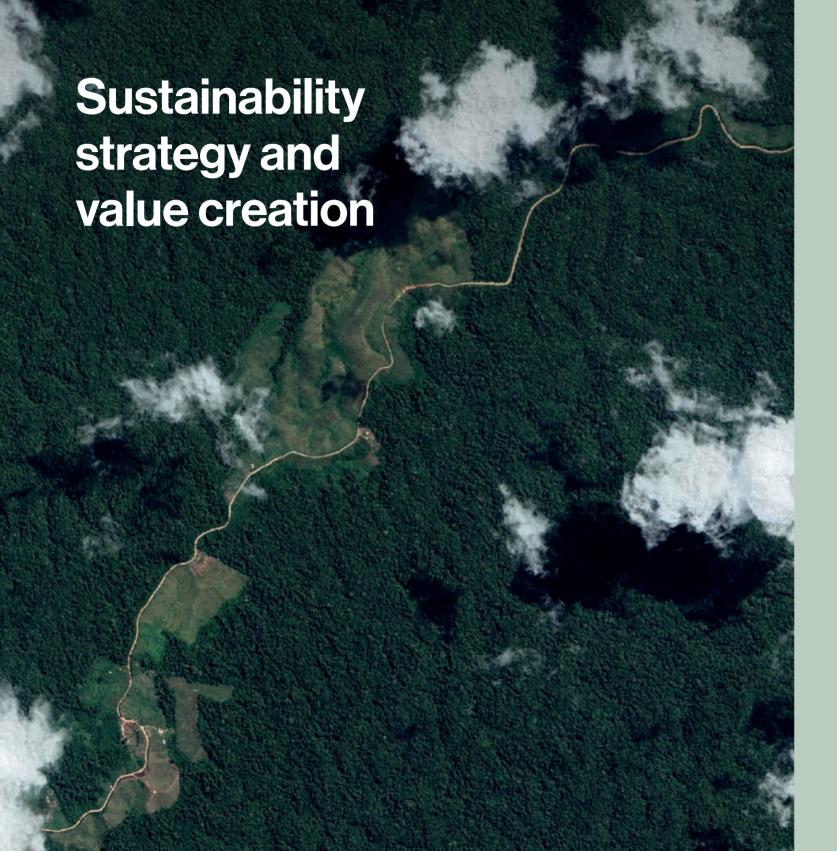


Prestigious **hotel in the heart of Bergamo**, at the foot of the famous medieval village that attracts tourists from all over the world.

 Rooms equipped with the most modern comforts and facilities with advanced technical and audiovisual services.

- Capacity for hosting corporate meetings and receptions, as well as offering refined catering and banqueting services thanks to the Roof Garden restaurant.
- Cuisine that combines traditional Italian flavours and aromas with innovation and experimentation with cutting-edge techniques and products.
- It is also suitable for a wide range of banqueting, business lunches and special occasions.

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Balancing the different facets of sustainability. This is the challenge that RadiciGroup has taken on, with the deep conviction that economic, social and environmental interests must be harmonised for the sake of both improving corporate performance and contributing to a better future for our planet and its inhabitants.

Today, one of the most important challenges in its sustainability strategy is to create lasting value shared with Stakeholders.

A principle that year after year has many facets:

Creating value for Workers

- Respect human rights in every country across the globe and ensure the soundness of the employment relationship.
- Protecting health and safety.
- Implement continuous and voluntary training programmes that aim at developing the skills of each Employee in accordance with their aptitudes, work duties and professional career.
- Involve People, through daily dialogue and the Group's information and communication tools.

Creating value for the Environment

- Combat climate change and the exploitation of the planet's resources through ambitious goals inspired by the 2030 Agenda.
- Increasingly develop circularity as a business model and make the best use of resources.

Creating value for the Value Chain

- **Invest in innovation** as a strategic driver.
- Work together with all players in the supply chain to produce durable, safe, high-performance products with a limited and measured impact.

Creating Value for Local Communities and Territories

- Respond to the needs of local areas with solutions adapted to the culture and sensitivity of local communities.
- Specifically support the younger generations, to enable them to count on Employee and growth opportunities in their communities of origin.

RADICI

A Sustainability story

Wool waste recovery initiatives were approached with the first textile companies of RadiciGroup.

1950

RadiciGroup partnered with **Geogreen** for purchasing **renewable energy**.

2000

RadiciGroup publishes its first **Social Report**.

2004

The first **Product Category Rules (PCRs)** drafted
by RadiciGroup became
industry standards for
the textile fibres and
engineering polymers
industries.

2013

Radici Novacips and RadiciFil achieved **EPD certifications** for their products.

2015

RadiciGroup invests
on innovation and circularity,
and it works for the creation of value
shared with its Stakeholders.
It is within this framework that
Radici InNova is launched as
RadiciGroup consortium
for innovation driven by sustainability.
RadiciGroup Sustainability Report
reaches its 17th edition.

2020

1981

RadiciGroup developed its know-how as for polymer recycling.

2003

RadiciGroup subscribed to the **Responsible Care®** protocol. RadiciGroup obtains its **first ISO 14001** environmental certification. 2012

The Global
Reporting Initiative
model became the
reference framework
for the Group's
Sustainability
Report.

2014

RadiciGroup, through Radici Chimica SpA, became the first chemical group in Europe to obtain OEF (Organization Environmental Footprint) and PEF (Product Environmental Footprint) certificates of conformity. The first ecodesign projects

The first **ecodesign** projects were launched and Radici Novacips SpA obtained

EPD process certification.

2018

RadiciGroup published its third party-certified **Sustainability Report** in conformity with the most advanced **GRI Standards**.

2021

Roughly 50% of the electric energy used by RadiciGroup comes from renewable sources.

The materiality and sustainability matrix

The materiality matrix illustrates, with tangible topics, the translation of the concept of sustainability and value creation in RadiciGroup's daily operations. "Material" topics are the environmental, social, economic and product topics that are essential for the Group.

RadiciGroup materiality matrix - topics

	Energy
	Emissions
Environmental	Water
Development	Waste
	Rawmaterials
	Product sustainable innovation and measurement of product environmental impacts
	Employment
Social Development	Occupational health and safety
201010ро.	Employee training and education
	Economic performance
Economic	Customer satisfaction
& Management Development	Compliance
	Certifications and integrated management systems

Stakeholders



Environment

Trade associations

Group companies

Shareholders

Board of Directors and Management

Customers

Communities (Discussion and interest groups)

Local communities and territories

Competitors

Suppliers

Banks and insurance companies

Workers

Media

Academic and research institutions

Control and monitoring bodies

Trade union organisations

The principles underpinning the relationship between RadiciGroup and its Stakeholders:

- **Sharing goals** for social, economic and environmental sustainable growth.
- Joint and participatory planning, especially with value chain players.
- Transparent relationships and respect for the roles of all Stakeholders and their operating context.
- Openness to dialogue and mutual improvement through discussion and collaboration.





From the Code of Ethics

We care about People

At RadiciGroup we recognise the centrality of the Person, basing our relationship with our Employees on the principles of fairness, legality and respect for national collective agreements.

- We reject all forms of child or forced labour.
- We promote merit and equal opportunities, rejecting any kind of discrimination.
- We carry out the personnel selection and recruitment process based on the suitability of candidates to meet the organisation's needs, according to equal opportunity and transparency criteria.
- We invest in the growth, training and fulfilment of People, to increase and enhance their skills and knowledge.
- We recognise and protect, in every company, the right of Employees to join trade union or political associations, promoting constructive dialogue with these associations.
- We protect labour relations from harassment, hostile and discriminatory actions intended to isolate or demean individual people or groups of Workers. Included in this principle is sexual harassment, i.e. the imposition of expressly unwelcome interpersonal relationships.

Elements creating value

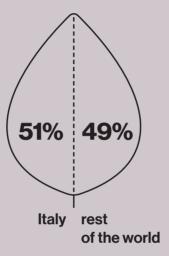
- Safeguard employment as the primary asset with collective, full time agreements.
- Respect the human rights of Workers everywhere in the world.
- Protect Worker health and safety by constantly monitoring the effectiveness of risk management processes and providing training on specific health and safety topics.
- Implement continuous and voluntary training programmes that aim at developing the skills of each Employee in accordance with their aptitudes, work duties and professional career.
- Involve Workers through daily dialogue, and through all the information and communication instruments of RadiciGroup.

Employees are geographically distributed with just over half in Italy and the rest in Europe, Asia and the Americas. This highlights how important internationalisation and cultural diversity are to the Group.









GRI 102-8 Employees by region

	Men	2019	2020	2021
n	Italy	1,292	1,249	1,249
n	Rest of Europe	597	556	587
n	Asia	70	71	88
n	North and South America	290	279	309
	Women			
n	Italy	312	313	329
n	Rest of Europe	418	369	397
n	Asia	26	29	31
n	North and South America	69	76	75
	Total			
n	Italy	1,604	1562	1,578
n	Rest of Europe	1,015	925	984
n	Asia	96	100	119
n	North and South America	359	355	384

Data on RadiciGroup Workers and Employees are reported as of 31 December of each year and counted HDC (Headcount).

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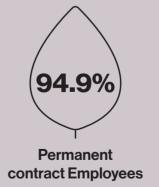
Workers

RadiciGroup Employees by gender, employment contract and employment type

			Men		Women		Total			
		2019	2020	2021	2019	2020	2021	2019	2020	2021
n	Total Employees	2,249	2,155	2,233	825	787	832	3,074	2,942	3,065
	of which									
n	Permanent contract Employees	2,146	2,062	2,135	768	732	774	2,914	2,794	2,909
n	Temporary contract Employees	103	93	98	57	55	58	160	148	156
%	Permanent Employees to total Employees	95.4%	95.7%	95.6%	93.1%	93.0%	93.0%	94.8%	95.0%	94.9%
n	Full-Time (permanent + temporary)	2,222	2,132	2,209	703	657	698	2,925	2,789	2,907
n	Part-Time (permanent + temporary)	27	23	24	122	130	134	149	153	158
%	Full-time Employees to total Employees	98.8%	98.9%	98.9%	85.2%	83.5%	83.9%	95.2%	94.8%	94.8%

Employees by bargaining agreement type

		2019	2020	2021
n	National collective bargaining agreement	2,148	2,103	2,163
n	Corporate collective bargaining agreement	627	589	628
n	Individual employment agreement	299	250	274
n	Total Employees	3,074	2,942	3,065
%	Individual employment agreement	9.7%	8.5%	8.9%
%	Collective bargaining agreement	90.3%	91.5%	91.1%







Workers

People, our most important resource

The Group has always considered Employees to be its main stakeholders. After the complex pandemic period, which also had repercussions in 2021, albeit less severe than 2020, some important commitments to people remained in place:

- Maintaining, under enhanced safety conditions, all possible work activities.
- Financial support for Workers through the timely application of the support instruments provided by law.
- Training to improve the qualities and contribution of each individual.
- Encouraging team spirit.

We value our Employees

Balancing the different facets of sustainability. This is the challenge that RadiciGroup has taken on, with the deep conviction that economic, social and environmental interests must be harmonised for the sake of enhancing its corporate reputation and creating a virtuous cycle of improvement in its overall performance.

Added value is a fundamental link between RadiciGroup's economic-financial strategy and its sustainability policy. It allows us to quantify the wealth produced and to understand how it is distributed among stakeholders.

It is in this spirit that in 2021, again, remuneration has found a prominent place in the value-added distribution statement for the approximately 3,000 Employees.

Together with the remuneration of the Public Administration, this is based on fairness and a contribution to the Group's traditional regional development.



3,065
Employees

GRI 201-1 Generation of value added

		2019	2020	2021
€	A) Production value	1,092,185,863	992,986,379	1,542,447,792
	Sales and service revenue	1,091,177,501	1,017,850,797	1,507,508,410
	Change in work progress, semi-finished goods and goods inventories	52,085	(25,189,105)	34,668,659
	Change in contract work in progress	-	-	-
	Increase in internally generated non-current assets	956,276	324,687	270,723
	Other revenue and income	-	-	-
€	B) Intermediate production costs	797,060,960	709,553,569	1,145,107,360
	Raw materials, supplies, consumables and goods for resale	611,032,681	489,678,028	880,164,220
	Services	171,448,387	204,011,759	302,281,015
	Lease and rentals	5,642,452	5,589,703	5,702,612
	Change in raw materials, supplies and goods for resale inventories	6,959,604	7,959,275	(46,864,856)
	Provision for liabilities and charges	200,277	215,640	503,550
	Other provisions	15,971	257,738	174,853
	Miscellaneous operating costs	1,761,590	1,841,425	3,145,967
€	Gross value added from operations (A-B)	295,124,902	283,432,810	397,340,432
	+/- Additional and extraordinary items	9,985,738	13,432,075	16,932,725
€	Gross total value added	305,110,640	296,864,886	414,273,156
	- Depreciation and amortisation	45,621,065	43,726,957	57,470,025
€	Net total value added	259,489,575	253,137,929	356,803,131

GRI 201-1 Generation of value added

		2019	2020	2021
€	Personnel wages and benefits	143,530,512	132,331,564	149,042,091
	Contract Workers	6,670,341	6,097,960	7,290,50
	Employees	136,860,170	126,233,604	141,751,588
	Direct compensation	110,024,451	101,210,043	114,086,091
	Indirect compensation	26,835,720	25,023,561	27,665,497
€	Payments to government	31,288,076	30,774,032	52,856,534
	Current taxes	32,044,656	37,184,830	56,091,602
	Direct taxes	28,757,519	34,314,961	52,754,312
	Indirect taxes	3,287,137	2,869,869	3,337,290
	Deferred taxes	(65,623)	(3,381,104)	(1,621,685)
	Revenue grants	(690,958)	(3,029,694)	(1,613,383)
€	Payments to loan providers	3,504,333	2,302,863	2,296,089
	Short-term loan interest	3,504,333	2,302,863	2,296,089
	Long-term loan interest	-	-	-
€	Payments to shareholders	25,500,000	15,000,000	40,200,000
€	Retained value added	55,136,155	72,181,028	111,798,810
	+/- Changes in reserves	55,136,155	72,181,028	111,798,810
€	Contributions and donations	530,500	548,442	609,608
€	Net total value added	259,489,575	253,137,929	356,803,131

Workers

Training courses for professional growth

In the Group, **individual training plans** are structured along a set pathway that begins with the identification **of needs**, then translated into targeted **training** and ends with an **assessment of the effectiveness** of the training.

The primary objectives of the plan include **increasing** skills, **improving awareness of** one's role, and **achieving full legislative compliance**.

Generally, training hours, after a 2020 standstill, gradually began to increase again from 12 hours per capita in 2020 to 15 hours in 2021. Thanks to the improvement in the general pandemic situation, RadiciGroup was able to resume the vital training of the pre-Covid period by providing courses in mixed mode: some Employees attended face-to-face courses, some remote. This choice made it possible to optimise management from a logistical point of view (reducing travel and use of spaces) and allowed for a broader and more cross-cutting presence, without the need to limit the number of people. The participation of personnel from several companies, bringing different experiences and challenges, is indeed considered a key factor, which increases the effectiveness of the courses.

- For new recruits worldwide, the Group organised participation in the first six modules of 'Kaspersky ASAP Cyber Security', an e-learning course that had already been taken by all Employees in 2020. In addition to Kaspersky, new Italian recruits had the opportunity to have immediate training on two cornerstones of the RadiciGroup's philosophy: safety and sustainability.
- For all Employees, courses on the correct use of work equipment and health and safety continued. The latter accounted for 55% of the Group's training hours. Language courses also restarted, with an important new feature: the first Italian language module for international staff was launched, with a view to ever closer integration and collaboration between all Employees worldwide.
- Another new development was the collaboration with Itema, a world-class mechanotextile company that is 60% owned by the Radici Family. Front line staff of RadiciGroup and Itema took part together in the "Let's build the future together" training project. The topics dealt with are very current: from better professionalism management in all age groups to cultural integration and innovation. The ultimate goal is to manage these challenges with a common, integrated model, which sees the diversity of the two industrial groups as assets.



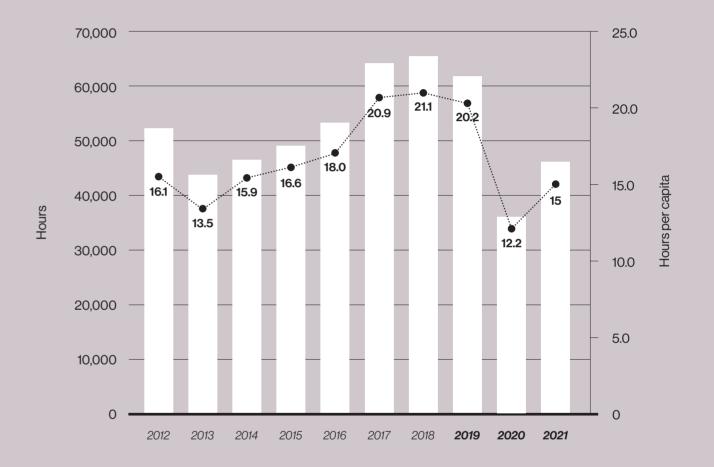


Workers

GRI 404-1 Training for Employees

		2019	2020	2021
hours	Hours per capita - women	62,207	35,911	45,477
n	Total Employees	3,074	2,942	3,065
hours/n	Hours of training per capita	20	12	15
	Men			
hours	Hours per capita - women	50,174	28,533	36,859
n	Total Employees	2,249	2,155	2,233
hours/n	Hours per capita - women	22	13	17
	Women			
hours	Hours per capita - women	12,033	7,377	8,618
n	Total Employees	825	787	832
hours/n	Hours per capita - women	15	9.4	10
hours	Total hours of training for health and safety	22,825	19,136	24,989
%	% hours of training for Health and Safety to total hours of training	37%	53%	55%
hours/n	Italy	10	6	10
hours/n	Rest of Europe	23	14	10
hours/n	Asia	48	37	34
hours/n	North and South America	53	27	41

Total hours of training



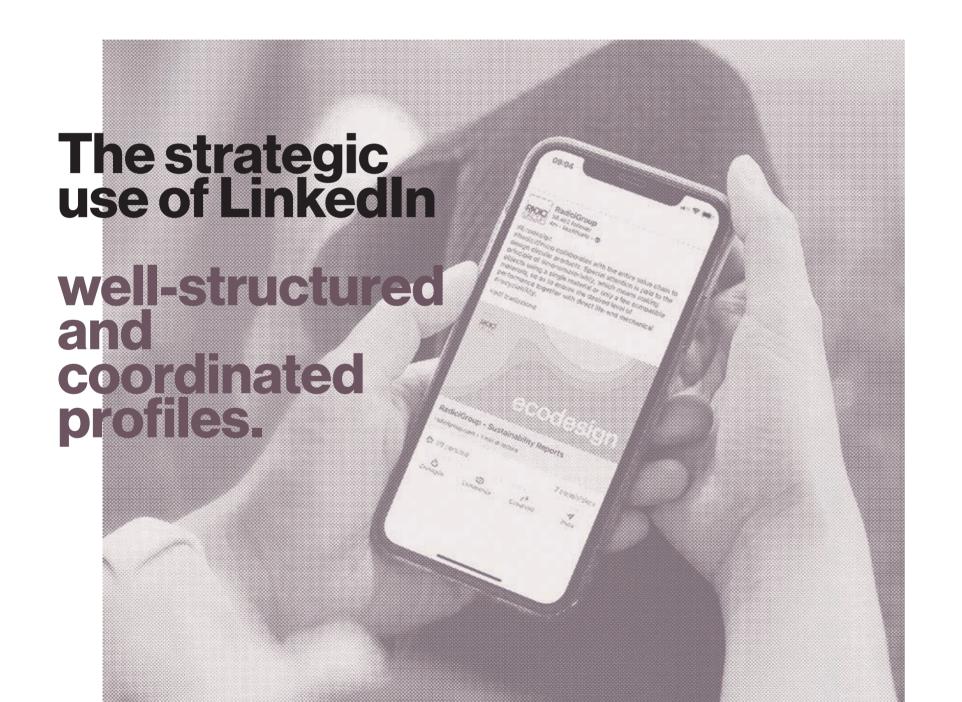
Hours per capita - women

···· Hours per capita - men

59

Case Study





"The fastest way to change yourself is to hang out with people who are already the way you want to be."
Reid Hoffman, founder of LinkedIn.

LinkedIn is the most popular social network

in business, used to forge relationships with other users by publishing high-value content. Decision-makers use it to get in touch with key individuals from different sectors for high-level professional dialogue. In 2021, the importance of having a strategically managed corporate page and wellstructured and coordinated profiles led RadiciGroup to involve around 70 Employees from Italy, France, Spain, Germany, Romania and Switzerland in a **process to** get to know the tool and its potential.

Thanks to the initiative, colleagues from sales, marketing, technical support, research

and development, as well as HR extraction teams were able to independently manage their personal LinkedIn profiles, optimising use of the platform and experimenting with active interaction with profiles of other companies, first in a guided way and later independently. In 2022, RadiciGroup plans to extend the experience to colleagues outside Europe to **create**, also through universal training, an exchange of knowledge and an ever-improving synergy of all Employees worldwide.

Workers

Health and Safety at work

RadiciGroup protects the Health and Safety of Workers monitoring performances as for:

- Risk analysis and management.
- Targeted health and safety projects.
- Raising the awareness of each Employee about their contribution to the safety management of the company.

A key role is assigned to the individuals responsible for the management system, mainly Employees of the various sites, who assume different job titles depending on the regulatory framework of the different organisations. For Italian sites, the person in charge of the prevention and protection service (RSPP), and the employer, in compliance with Legislative Decree 81/2008, have the specific task of organising and managing the system of risk prevention and protection.

The tasks of these professionals, whose obligations include the continuous updating of skills, include:

- Identifying and assessing risk factors.
- Developing preventive and protective measures.
- Worker training and information.

All Workers, not just those involved in Health and Safety, are called upon to develop and improve management systems.

As already indicated, training is considered vital: approximately 55% of the total training hours are dedicated to Health and Safety issues. In addition to training courses, operational instructions, communications and teaching materials are among the most common means of involvement.

In addition, a Workers' safety representative (RLS) is elected or appointed at all RadiciGroup companies or production units in Italy. The specific task of this role is to report Workers' requests, with the aim of building a spirit of active participation in the practice of health and safety principles in the workplace.



Workers

GRI 403-9 Detailed injury situation - Workers

			Total	
		2019	2020	2021
n	Total Workers*	3,348	3,227	3,428
hours	Total hours worked	5,481,290	4,880,086	5,552,211
n	Number of fatal injuries	0	0	0
n	Number of hazardous injuries	14	12	16
n/200,000h	Serious injury rate	0.51	0.49	0.58
days	Injury lost days (days away from work)	1,130	1,380	1,423
n/200,000h	Injury days lost rate	41.2	56.6	51.3
n	Number of non-hazardous injuries	67	35	53
n/200,000h	Injury rate	2.44	1.43	1.91
days	Injury lost days (days away from work)	928	511	690
n/200,000h	Injury days lost rate	33.9	20.9	24.9

Men				
2020	2021	2019	2020	2021
2,416	2,559	851	811	869
3,731,119	4,230,331	1,352,001	1,148,967	1,321,880
0	0	0	0	0
12	15	3	0	1
0.64	0.71	0.44	0	0.15
1,380	1,356	207	0	67
74.0	64.1	30.6	0	10.1
31	47	8	4	6
1.66	2.22	1.18	0.70	0.91
449	599	117	62	91
24.1	28.3	17.3	10.8	13.8
	2,416 3,731,119 0 12 0.64 1,380 74.0 31 1.66 449	2,416 2,559 3,731,119 4,230,331 0 0 12 15 0.64 0.71 1,380 1,356 74.0 64.1 31 47 1.66 2.22 449 599	2,416 2,559 851 3,731,119 4,230,331 1,352,001 12 15 3 0.64 0.71 0.44 1,380 1,356 207 74.0 64.1 30.6 31 47 8 1.66 2.22 1.18 449 599 117	2,416 2,559 851 811 3,731,119 4,230,331 1,352,001 1,148,967 0 0 0 0 12 15 3 0 0,64 0.71 0.44 0 1,380 1,356 207 0 74.0 64.1 30.6 0 31 47 8 4 1.66 2.22 1.18 0.70 449 599 117 62

 $^{^{\}star} \text{at 31/12/2021-Workers include self-employed Workers (who carry out continuous activities in Radici Group), temporary Workers and Employees.} \\$

RAOICI

From the Code of Ethics

Our capital, is, above all, human

The Person is at the heart of our strategy.

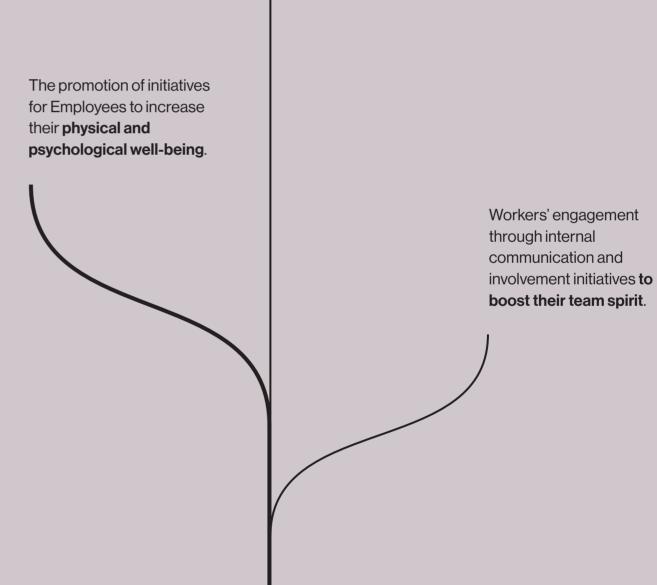
We promote professional development by recognising merit, valuing skills and investing in training. We consider work-life balance a pivotal point for an optimal corporate environment.

A serene private life is important to face daily work with enthusiasm and dedication. This is a fundamental principle to RadiciGroup which favours the balance of private and work life through concrete and consistent activities and initiatives.

STOBENE RadiciGroup, the project formerly known as WHP (Workplace Health Promotion), originally conceived by ATS Bergamo and Lombardy Region to encourage Workers to adopt healthy lifestyles and positive mental attitudes, **continued in 2021**.

In addition, the Group's canteens **continued to raise awareness of balanced nutrition** through illustrated "storytelling" of the best food combinations on tray placemats. Finally, at Christmas, a number of solidarity initiatives were set up to collect used toys in good condition or material for drawing and creativity for vulnerable children.

The introduction of an integrated **corporate** welfare system in some of RadiciGroup plants.



Case Study





The desire to do something together again after Covid, 13 different seed species, a space to cultivate. From these simple "ingredients" the "Fruit Belt Project" was launched at Radici Plastics Lta in Brazil.

More than **70 people** from all company departments **planted** and tended the seeds for months, which turned into plants and created a true "green belt" for the site.

The result? The first orchard grown by RadiciGroup, with plants and trees that produced blackberries, oranges, pomegranates, plums, cashews and tangerines, among other fruits. Not only that, the soil has been regenerated and various bird species have appeared.

And if it is true that, as they say in Brazil, "we plant today for the harvest of tomorrow" the project can only grow. In 2022, the green belt was further developed and is now home to 28 species, including some rare and indigenous ones, which are monitored daily by those who planted them.



Investing in sustainability



For RadiciGroup, investing in sustainability means nurturing the inseparable combination of competitiveness and responsible growth and addressing many of the global challenges outlined in this Report by experimenting with new ways of doing business. A strategy that translates into choices that favour innovation, the best available technologies, circular products, Employee growth or the strengthening of partnership with local areas. All this to secure their own future together with that of the generations to come.

Increasingly in the Group, **financial choices are linked to ESG** (Environmental, Social, Governance) criteria with a special focus on:

- The climate, with a significant focus on reducing emissions and selecting low-impact energy mixes.
- Efficient management, working on structural capacity to create stability and resilience to cope with a world that has proven to be extremely unstable over recent years.

Sustainability, in facts



€236 million

investments to support the competitiveness

of the Group companies in the five-year period 2017-2021.

Of wich,

€53 million

the amount invested in 2021.

The future of energy is today.

We promote energy transition by using renewable source energy.

We decouple resource consumption from economic growth.

In our production sites the use of raw materials, water and energy is curbed thanks to plant efficiency, and the Best Available Techniques.

Resources, nothing is more precious.

We make the best use of raw materials, reduce the amount of waste and scrap, recover and recycles waste whenever it cannot be avoided, and we constantly work on the quality, durability and performance of its materials, which are all recyclable.

Light for the environment, transparent in communication.

We communicate our activities and achievements in our Sustainability Report and through all available internal and external communication channels.

€3.1 million

environmental investments made in 2021

related to the introduction of Best Available Techniques, efficiency improvement, emission abatement, and research and development activities directed at the development and adoption of low-impact processes and products.

€5.4 million

costs for environmental management and protection in 2021

(certifications, waste disposal, wastewater treatment, etc.) at the Group companies in Italy.

The environment as a privileged stakeholder.

We protect it through its strategies, investments and concrete, targeted actions.

Eco-design, safe and responsible.

We engage in the ecodesign of reduced-impact products, which are safe for the manufacturer, the user and the environment.

Less emissions, more innovative products.

We fight climate change by reducing emissions and introducing innovative products with a smaller carbon footprint.

Achievements which help to improve.

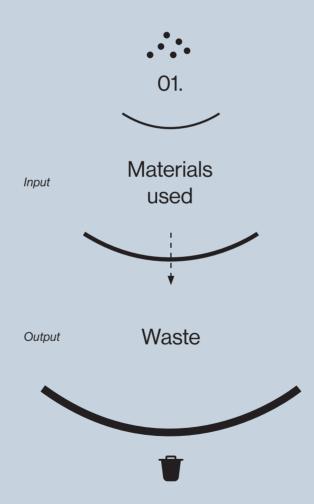
We constantly measure the performance of all production sites, with a view to achieving continuous improvement and reducing environmental risks.

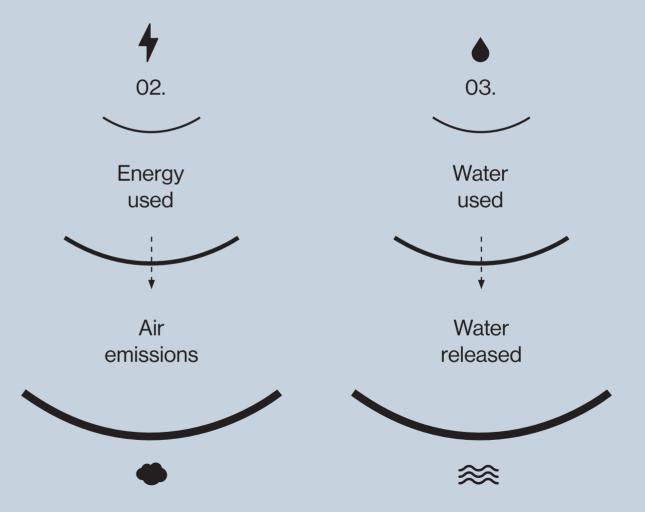
RADICI ROUP

Achievements

The following sections provide an **overview of RadiciGroup's environmental results** grouped by complementary data inputs (received from the environment) and outputs (delivered to the environment).

As a general consideration, it is necessary to point out that the 2021 results are based on a different reporting scope from all previous editions, as they also include some manufacturing and service companies not previously included. This is to increase the inclusiveness and representativeness of the Report.





01. Materials Used

From used materials to new resources

The 2021 figures show an **overall increase in used materials**, which is directly related to the increase in production activity back to 2018 levels. A figure that is matched by **high production efficiency levels**, even considering some plant start & stops. Although it is not possible to given a precise figure due to the extremely heterogeneous type of processes of RadiciGroup companies, it is empirically possible to indicate a percentage of about 95% as for production yield. With this in mind, **processes are always subject to control systems** that reduce defective batches and, consequently, rejects.

This is an important factor that, on one hand, demonstrates the close attention to the careful use of resources, especially virgin raw materials, and on the other, is a direct reflection of the progressive introduction of the best available technologies in all the Group's companies.

In a logic of circularity and industrial synergy, the secondary materials of all the Business Areas, as repeatedly noted, are transformed into raw materials for the industries that generated them or for other industries in the group, depending on the intrinsic characteristics of the materials and the expected performance of the secondary raw materials into which they will be transformed, meaning nothing is wasted.





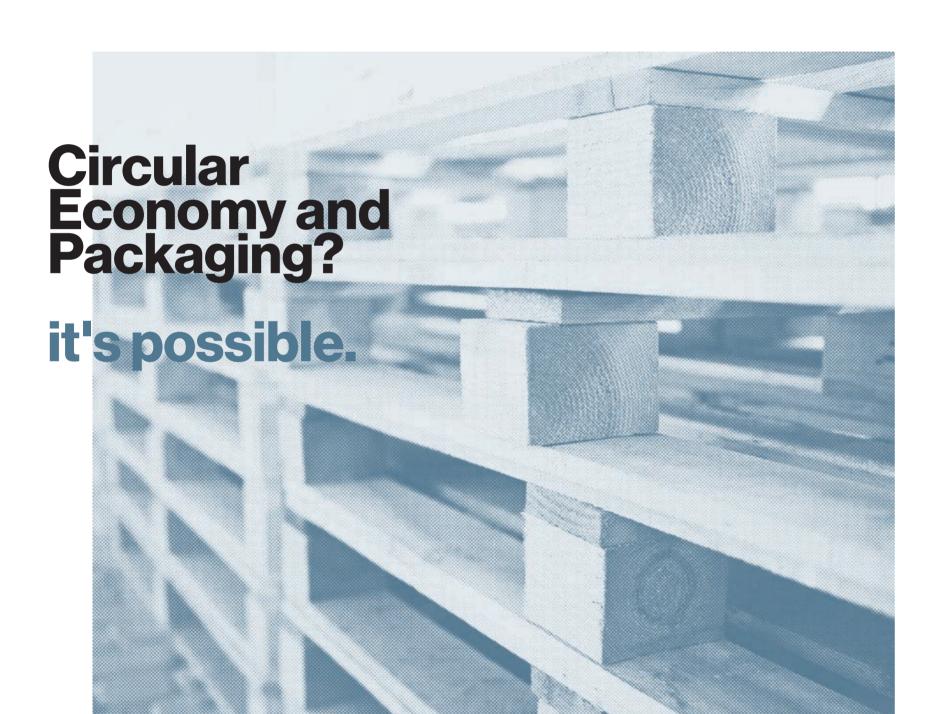
GRI 301-1 Materials used by type and weight

Ma	terials used by type	2019	2020	2021	
t	Direct materials*	415,271	397,372	471,310	
t	Accessory materials	2,348	1,936	3,102	
t	Packaging	16,075	14,098	16,768	
t	Total	433,694	413,406	491,181**	
No	n-renewable materials				
t	Non-renewable direct materials	413,139	395,871	469,180	
t	Accessory materials	2,347	1,934	3,099	
t	Packaging	1,560	1,430	1,822	
t	Total	417,046	399,235	474,101	
Re	newable materials				
t	Non-renewable direct materials	2,132	1,501	2,130	
t	Accessory materials	2	2	3	
t	Packaging	14,515	12,668	14,946	
t	Total	16,649	14,171	17,080	
% renewable packaging to total packaging		90.3%	89.9%	89.1%	
% r	enewable direct materials to total direct materials	0.51%	0.38%	0.45%	
% renewable materials to total materials 3.84% 3.43% 3.43%			3.48%		

^{*} Intra-group raw material flows, including recycled material processed by Zeta Polimeri, are not taken into account for the purposes of the disclosure, as they do not represent resources taken from outside the Group and, in general, removed from the environment.

^{**} No significant difference in results can be found with respect to the reporting scope of the previous editions of this Report. Sales companies, financial and service companies do not use materials in significant quantities, Zeta Polimeri uses the waste materials of RadiciGroup companies as its raw materials.





To maximise pallet reuse, the involvement of all PRS partners is essential.

This is the case with **Tessiture**Pietro Radici, which has been an active part of the PRS network for

a number of years. The company separates the PRS pallets it receives, allowing them to be taken back and facilitating their reuse.

There are three main environmental benefits of this packaging management.

Firstly, the system **prevents a large amount of packaging waste**, because the latter, if poorly managed, has a major environmental impact.

Secondly, the reuse of pallets creates a virtuous circle that reduces the use of new raw materials.

Finally, reusing this packaging makes it **possible to**reduce to zero the emissions that would result from the pallet wood being sent to landfill, which would emit greenhouse gases as it degrades.

Environment

01. Waste

Too valuable to be called waste

Regarding waste, all RadiciGroup companies work to contain the generation of scrap and waste through rigorous process management.

Procedures for waste identification, sorting and storage have always been in place at all Group sites, in compliance with current legislation and voluntary standards.

Production increases have inevitably brought with them an increase in absolute volumes of waste (+28% compared to 2019). When considering this result is should be noted that 2021 also saw some batch splitting due to raw material shortages and logistical difficulties, leading to an increase in waste that occurs whenever production lines are stopped and restarted or the types of materials produced are changed. The Group chose to offset Supplier difficulties and Customer needs as much as possible between by absorbing some of the inconvenience caused by the situation. In addition, the reclassification of waste in some production facilities meant that significant quantities of materials previously defined as second-choice or by-products entered the non-hazardous waste category for recovery in 2021, many of it reprocessed by Zeta Polimeri.



77%

non-hazardous waste recovered on total waste in 2021

+6.5%

non-hazardous waste destined to internal recovery in the three-year period

53%

non-hazardous waste destined to internal recovery on total non-hazardous waste intended for recovery



GRI 306-2 Total waste by type, disposal method and weight*

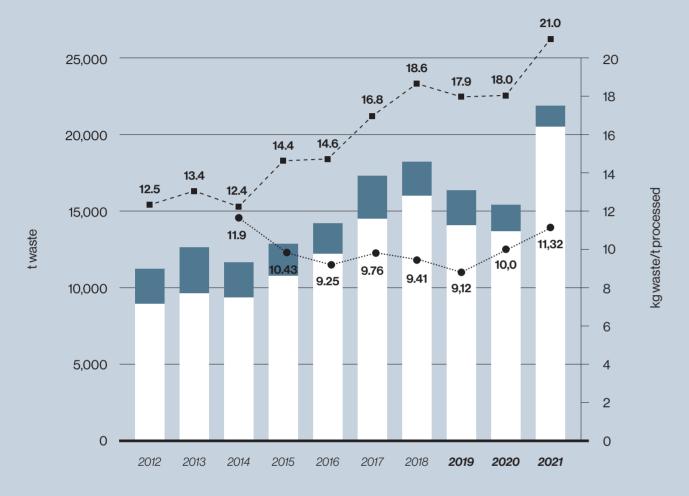
		2019	2020	2021
t	Total	17,015	15,917	21,818**
t	Total hazardous waste	2,591	1,949	3,088
t	Hazardous waste directed to recovery	690	561	817
t	Hazardous waste directed to disposal	1,901	1,388	2,271
t	Total non-hazardous waste	14,424	13,968	18,730
t	Non-hazardous waste directed to recovery	12,935	11,852	15,998
t	Non-hazardous waste directed to disposal	1,489	2,116	2,731
	of which			
t	Occasional non-process waste (building renovations, maintenance, etc.)	390	565	1,581
t	Non-hazardous process waste (formerly by-products) directed to internal recovery	7,966	6,494	8,487
t	Process waste directed to external treatment	8,659	8,858	11,750
kg/t	Ratio - Process waste per unit processed	9.12	10.0	11.32
kg/t	Ratio - Total waste per unit processed	17.92	17.96	21.02

^{*} Based on the documentation held by the Group and provided by the companies in charge of waste management and treatment, it is not possible to give more detailed information as required by the GRI model concerning the actual disposal method.

^{**} In 2021, the new reporting perimeter had an impact of + 7.6% compared to the perimeter of the previous editions of this Report.

Environment

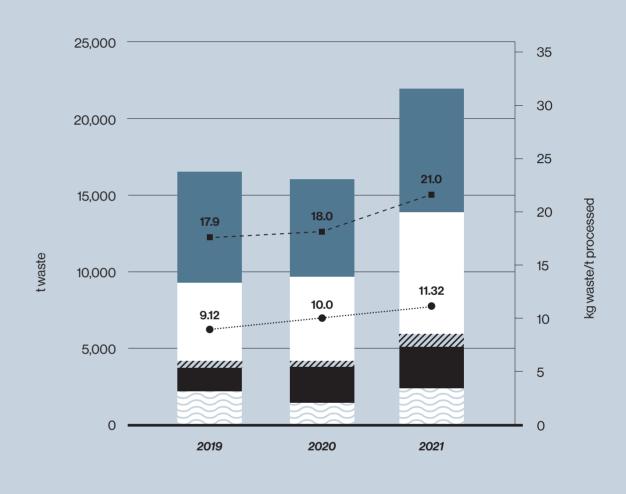
GRI 306-2 Waste by type

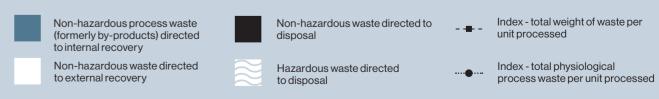




GRI 306-2 Waste by type and disposal method 2019 - 2021

Hazardous waste directed to









Zero waste to landfill: this is the ambitious goal achieved by Radici Plastics Brazil, which in 2021 obtained the 'Aterro Zero' label, the certification that no internal waste was finally conveyed to landfill

This meant carefully selected and managed waste, sent directly to the most appropriate recovery chains, optimising transport to be transformed into secondary raw materials or, the remaining non-transformable part, managed as materials destined for waste-to-energy plants for the production of thermal energy.

The benefits of the project are numerous,

added to the elimination

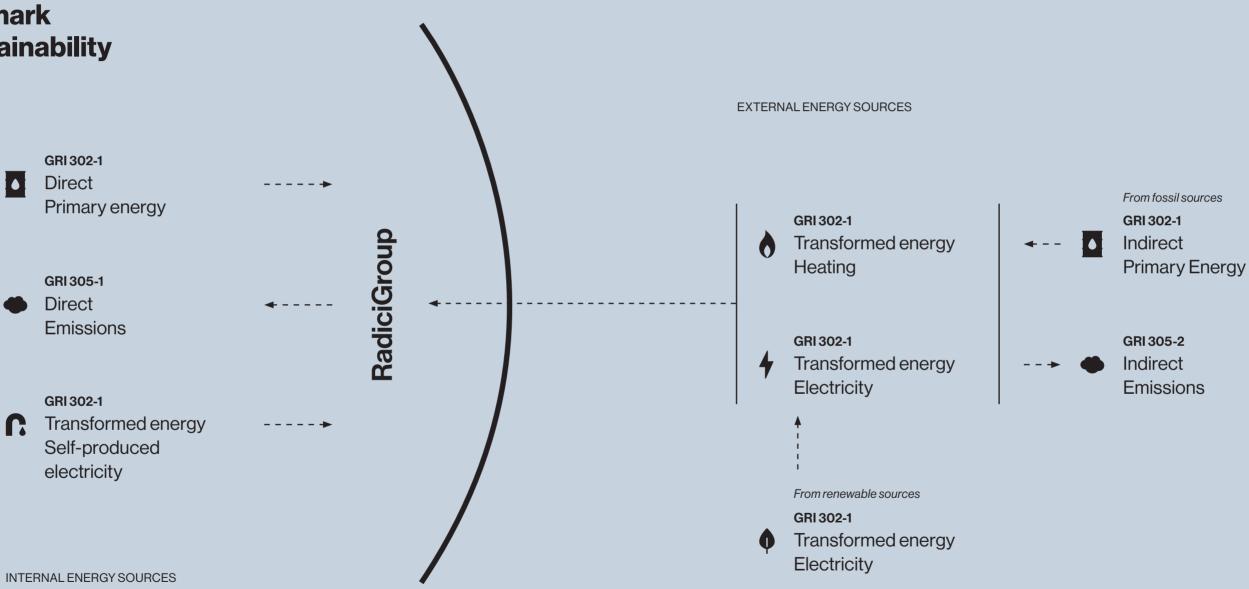
of waste to landfill, is the realisation of the principles of the **circular economy** and the **reduction of atmospheric emissions** from waste transport.

The whole company was involved in the implementation of the different project phases: from mapping waste production to assessing possibilities to prevent or reduce it, from classifying the waste itself to identifying the most suitable and **environmentally sustainable** disposal systems.

RADICI

02. Energy

Our footprint is our mark of sustainability



02. Energy

Our footprint is our mark of sustainability

The Group's total energy consumption for 2021 was at 2018 levels and up from 2019. The energy consumption index per ton processed is in line with the three-year period and improved on 2020. The index for specific electrical energy per ton processed also improved by 3.1% compared to 2019, a very good result. Less energy is therefore being used to manufacture products than in 2020. Analysing the index of total primary energy from fossil sources used per ton processed, the 2021 figure shows a decrease of 14.7% compared to 2019. RadiciGroup products are therefore made with increasingly less non-renewable energy. As far as the latter is concerned, it is useful to note that the Group's leading source of supply also in 2021, remains methane, the least polluting fossil fuel.

This means that the Group's products are becoming more "light", i.e. they carry increasingly less of an emission load. This is an undoubted competitive advantage for RadiciGroup, but it also resonates with Customers.



-14.7%

total primary energy from fossil sources per ton processed compared to 2019

- 3.2%

electricity consumption per ton processed compared to 2019



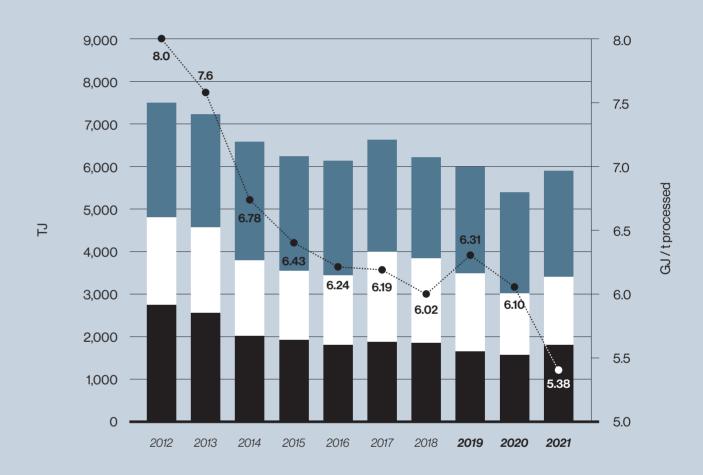


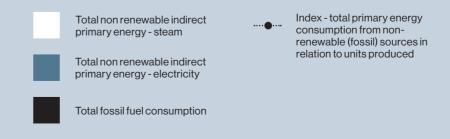






GRI 302-1 Energy consumption within the organisation

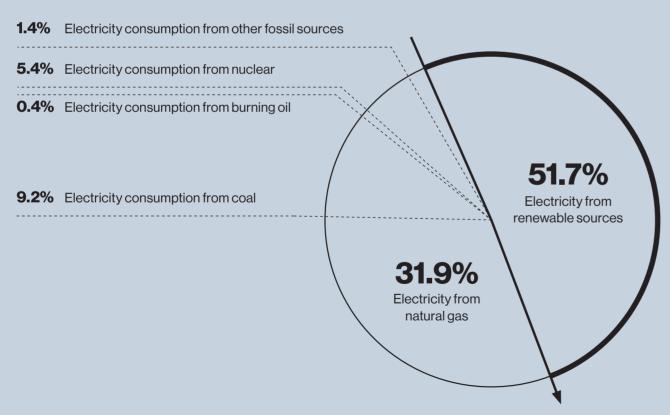




02. Energy

Our footprint is our mark of sustainability

GRI 302-1 Electric energy mix





Electrical energy mix 2021

In 2021, the commitment to the ecological transition continued through the purchase of significant amounts of renewable electricity. In particular, the green share of electricity exceeds 51% and allows a good number of production sites to be powered by 100% renewable sources, or slightly lower percentages. The green energy needs of RadiciGroup's Italian companies are essentially met by Geogreen, a Supplier-partner active in hydroelectric power and consulting and efficiency services.

An important role for the Italian sites is also played by the two high-efficiency cogeneration units (a cogeneration unit involving Radici Chimica in Novara and a trigeneration unit involving Radici Yarn in Villa D'Ogna), which can optimise the use of natural gas, produce different energy vectors with a single primary fuel and reduce emissions.



- Radici Novacips (Villa d'Ogna) Italy
- Radici Novacips (Chignolo d'Isola) Italy
- Radici Plastics Brazil
- Radici Plastics Germany
- Radici Yarn (Ardesio) Italy
- Radici Partecipazioni (Gandino) Italy
- Tessiture Pietro Radici (Gandino) Italy

Plants using 100% green energy

- Polymerization Radici Yarn (Villa d'Ogna) Italy
- Polymerization RadiciFil (Casnigo) Italy

80% green energy

• Radici Fibras - Brazil

+30% renewable electricity in the three-year period 2019-2021





An innovative high-efficiency trigeneration plant at Radici Yarn, a plant in the RadiciGroup ATS area, was installed in 2019, and became fully operational in 2020. The plant, which runs on methane gas, is used for the simultaneous production of steam and electricity, typical cogeneration factors, plus the production of chilled water used for the industrial process.

Trigeneration offers significant advantages,

firstly the use of a single fuel for the **production of three different energy vectors** (electricity, heat and cooling) in a single plant with **optimised efficiencies**,

thus far higher than three separate productions, and with significantly reduced emissions. Radici Yarn's trigeneration complies with the stringent emission constraints of the Lombardy Region, the most rigorous in Italy. Because it is a high performance plant it allows the company to obtain TEEs, the negotiable energy efficiency certificates, awarded by the Gestore Servizi Energetici only for **technological** and performance excellence.

The role of Geogreen,
RadiciGroup's clean energy
Supplier-partner, was fundamental
to the trigeneration plant, playing
an advisory role in the choice of the
plant, high-efficiency recognition
and TEE management.

02. Emissions

We aim low only when our target is emissions

In 2021, the Group's emissions per ton processed fell by 18.7% compared to 2019. A very good result achieved mainly thanks to the major investment in the chemical sector. An additional nitrous oxide abatement plant was installed in the latter to abate nitrous oxide from the chemical reactions in the production of nitric acid and adipic acid, among Radici Chimica's core products. As a result, the Novara plant was able to reduce direct emissions by 38.4% compared to 2020, with an absolute decrease of 42.6 kt and a reduction in the index per ton processed from 0.31 to 0.18. The Radici Plastics Souzhou plant in China also reduced direct emissions by 70.6% compared to the year 2020 thanks to the adoption of electric forklifts over diesel-powered models. This is undoubtedly a smaller decrease in absolute numbers, but nonetheless an important step towards reducing the site's environmental impact.

As noted above, the Group chooses an energy mix for electricity that makes use of more than 51 per cent renewable energy. By comparing the emissions generated by this specific mix with those that would result from the standard national energy mixes of the countries where RadiciGroup companies are located, it emerges that in 2021 the Group avoided 42.6% of greenhouse gas emissions into the atmosphere (23.8% in 2019).



-74.3%

direct GHG emissions 2011-2021

-60%

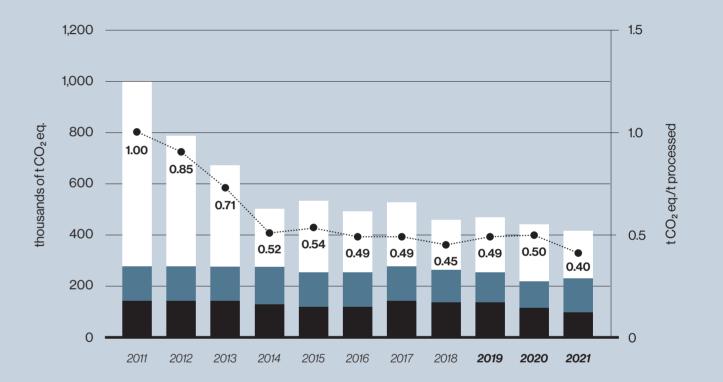
emissions per ton processed 2011-2021

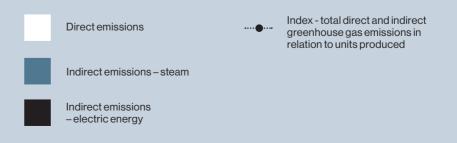
-42.6%

of GHG compared to standard national energy mixes



GRI 305-1 / GRI 305-2 Total (direct and indirect) greenhouse gas emissions





03. Water used

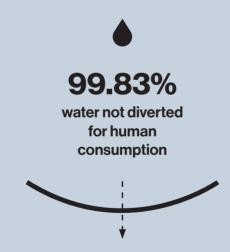
Saving water is our second nature

Water is precious for our life, and it is equally precious for RadiciGroup, since it is essential for cooling purposes in plants.

All the ancestral companies of the Group are located in Northern Italy, an area characterised by good water availability in the form of surface water and groundwater, which has always been considered a strategic factor for local development.

Considering the water stress situation related to countries in which the reported sites operate, 44% of the water used by the Group comes from areas with low stress. On the other hand, 50% of the water used comes from areas with high water stress. Almost all these quantities (98.8%) relate to water supplied from Industrie Park Zeitz to the company Radici Chimica Deutschland via a ring channel, water reused up to 60.5 times before being discharged.

The Group uses little or no water in its products and does not create long-term water reserves for its production activities that could deprive local communities of their water supply. The same water is used several times within the plants for cooling purposes, then treated in accordance with the legislation in force in the various countries in which the Group operates and, finally, is returned intact to the environment, mainly into surface streams.











GRI 303-3 Water withdrawal by source*

		2019	2020	2021
ML	Total	86,029	77,010	83,100**
ML	Total surface water	38,279	32,056	32,811
ML	Other water	0	0	0
ML	Freshwater	38,279	32,056	32,811
m³	from rivers/canals	37,755,178	31,452,056	32,230,090
m³	from springs	523,829	603,606	581,306
ML	Total groundwater	9,436	8,085	8,542
ML	Other water	0	0	0
ML	Freshwater	9,436	8,085	8,542
m³	from wells	9,436,032	8,084,676	8,542,491
ML	Total third-party water	38,314	36,870	41,746
ML	Other water	0	0	0
ML	Freshwater	38,314	6,870	41,746
m³	fromaqueducts	135,576	126,942	141,125
m³	fromutilities	38,178,805	36,743,061	41,605,352

^{*} For sites where the quantity of water discharged is not measured, such quantity is set equal to the water withdrawn. Similarly, in those cases where only water discharged is measured, the water withdrawn is generally set equal to the water discharged.

^{**} In 2021, the new reporting perimeter had an impact of + 0.07% compared to the perimeter of the previous editions of this Report.

03. Water released

At the source of recycling

In 2021, the percentage of water saved through recycling was confirmed at 71% (+1% compared to 2020, or 4.7 million m³).

The water utilisation index in relation to the units produced improved by 11.6% compared to 2019.

As in every year, Radici Chimica Deutschland GmbH adopted a specific water management policy: for the operation of its plants, it draws the resource from a water loop, managed by the industrial park to which it belongs; The same consortium also deals with the recycling of output water.

Formally, the recycling activity takes place outside the company gates, so the contribution of Radici Chimica Deutschland GmbH to the savings ratio indicator is zero. Excluding the German company from the scope, the percentage of water saved in 2020 rises to 142%.



4.7 mln

of m³ saved compared to 2019, equivalent to the average water needs of approximately 300,000 households

71%

water saved compared to theoretical requirement in 2021

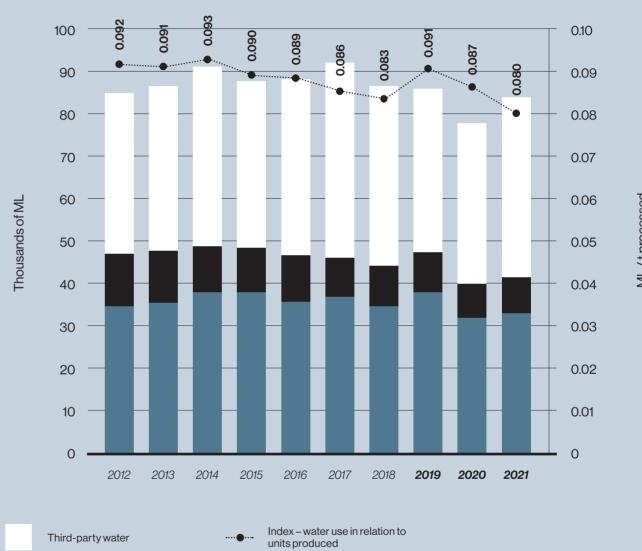
Water is used from

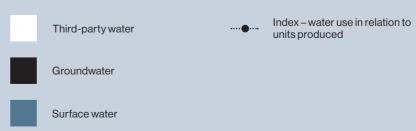
1 to 60.5

times in the Group plants

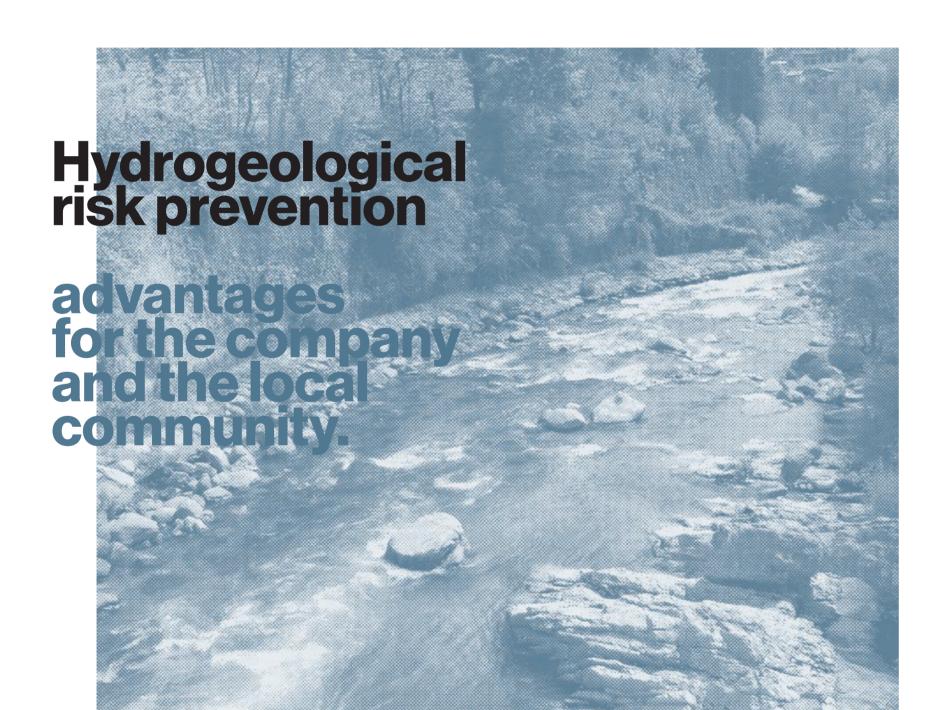


GRI 303-3 Water withdrawal by source









Radici Yarn and Radici Novacips, among RadiciGroup's main production sites, are both located along the Serio River, the area's main waterway. Between March and April 2021, Radici Novacips, in cooperation with Geogreen, carried out extraordinary maintenance work on the Serio riverbed to improve hydraulic runoff in the vicinity of its plant. However, the works, whose main purpose was to protect the site from possible flooding after the incident that affected the company in October 2020, also had a significant positive side effect: the cleaning and landscaping of a long neglected section of the riverbed. The operation resulted in the removal of 3,170 m³ of inert material accumulated on the right bank, and the relocation of 100 m³ of material placed on the left bank.

The Serio river bed was thereby cleaned up and made safer in the event of possible future floods. As a further measure to protect against the risk of flooding, work began to rebuild the embankment wall from January 2022, protecting both the farm and the surrounding land and provincial road. This is land and road heavily affected by the 2020 flooding, with traffic disruption, the evacuation of some families and considerable damage to homes.

Environment

GRI 302-3 Energy intensity ratio for the organisation

		2019	2020	2021
GJ	Total energy consumption (GRI 302-1)	5,991,117	5,408,531	5,586,749
€	Net total value added	259,489,575	253,092,544	356,803,131
GJ/€	Total energy consumption (direct+indirect) in relation to net total value added	0.023	0.021	0.016

GRI 305-4 GHG emissions intensity

		2019	2020	2021
tCO₂eq	Total emissions into the atmosphere (GRI 305-1 and 305-2)	469,139	441,059	416,701
€	Net total value added	259,489,575	253,092,544	356,803,131
kgCO₂eq/€	Total atmospheric emissions	1.81	1.81	1.17

Water resources index to net total value added

		2019	2020	2021
ML	Water resources (GRI 303-3)	86,029	77,010	83,100
€	Net total value added	259,489,575	253,092,544	356,803,131
M/€	Water resources index to net total value added	0.00033	0.00030	0.00023

Index of waste subject to disposal without recovery in relation to net total value added

		2019	2020	2021
t	Waste subject to disposal without recovery (GRI 306-2)	3,390	3,504	5,003
€	Net total value added	259,489,575	253,092,544	356,803,131
Kg/€	Waste subject to disposal without recovery as a proportion of total net value added	0.013	0.014	0.014





A quality-based value chain, also for the environment

Our value chain is made of values before being made of products.

It is made of dialogue and constant collaboration with our Suppliers, our Customers all our Stakeholders.

Our value chain looks at the future of our planet to create high quality, sustainable products for the good of all.

Sustainability is our most important investment

In line with its established strategy and EU guidelines, RadiciGroup continued to invest in 2021 in decarbonisation, energy transition, use of renewable resources and production efficiency at all its plants. This was accompanied by significant investment in innovation, detailed in the Radici InNova section of this

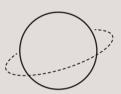
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RadiciGroup product sustainability story comes from far away















40 years 20 years 15 years

extrusion lines are in operation that reuse production waste from the entire Group and beyond, avoiding any raw material waste.

For over

our Group companies use green energy for their plants.

From around

we use bio-based raw materials for our products.

For over

we use **post**consumer materials to make PET yarns and engineering polymers.

From around

10 years

we measure the environmental impact of main product families through systems based on Life Cycle Assessment.

Today, RadiciGroup's low environmental impact products are developed and produced, while focusing on the following commitments:

- To develop new concepts through innovation, particularly circular, process and product innovation.
- **To rationalise** the use of raw materials, choose renewable energy sources and reduce scrap and waste.
- To measure the impacts using scientific methods, so as to ensure the Group can make sound decisions and act with transparency in the market.
- To consider product end of life from the beginning of product development, fostering the use of raw materials with low environmental impact and better recyclability, coupled with formulations that consider the entire life cycle in terms of high durability, performance and potential recycling with high added value.
- To optimise processes thanks to targeted investments.
- To work with Suppliers, Customers, associations and partners towards a sustainable production chain.

Traceability becomes a system

In recent years, as a result of the growing awareness of the importance of each production step from the standpoint of Quality, Health, Safety and compliance with applicable regulations, the ability to precisely trace the various steps in the procurement or processing of materials has become a key factor in RadiciGroup's sustainability strategy.

RadiciGroup traceability is:

- Full for virgin and post industrial recycled materials handled in-house.
- The presence of GRS certification or the main ISO standards applied by RadiciGroup or Oekotex certification requires the traceability of postconsumer recycled materials purchased on the market.
- Governed by management software that monitors every step of the production chain. This makes it possible to trace each batch back to detailed information on the raw material, the production line, the different processes used and packaging or shipping data.

Full traceability
for virgin and post
industrial recycled
materials handled
in-house.

Full traceability for post consumer recycling materials purchased on the market.

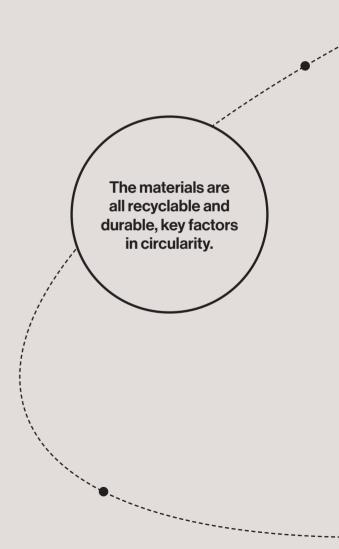
Traceability governed by management software that monitors every step.

Why choose RadiciGroup low-environmental impact products?

Because they can be:

- Manufactured using recycled materials to reduce the use of valuable virgin raw materials and give new life to pre - and post-consumer scrap.
- Manufactured using green energy, which decreases dependence on fossil fuels.
- Bio-based, i.e. made wholly or partly from natural raw materials, making use of plant waste that does not compete with food crops.
- Biodegradable: i.e. able to be broken down into their different components through biochemical processes.
- Solution-dyed, thus reducing water, energy and emissions.





RADICI

RadiciGrouplow-environmental impact products

Product	ВА	Energy from renewable sources	Bio-based
Radipol®	Speciality Chemicals	•	
Radipol® 6.10	Speciality Chemicals		•
Heramid®	High Performance Polymers	•	
Radilon®	High Performance Polymers	•	
Radilon® D	High Performance Polymers		•
Radilon®	Advanced Textile Solutions	•	
Radifloor®	Advanced Textile Solutions	•	
Dorix®	Advanced Textile Solutions		
Radyarn®	Advanced Textile Solutions		
Starlight®	Advanced Textile Solutions		
Dylar®	Advanced Textile Solutions	•	
Radimelt®	Advanced Textile Solutions	•	
Radipeople®	Advanced Textile Solutions	•	
Renycle®	Cross-Business Area	•	
Repetable®	Cross-Business Area		
Respunsible®	Cross-Business Area	•	
Biofeel®	Cross-Business Area		•
Biofeel® PLA	Cross-Business Area		•

∷∷∷ ≳ Solution-dyed	کہٰے Recycled	Durable Recyclable	Biodegradable
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Transparency, you see

A transparent, replicable and **scientific quantification** of life cycle environmental impacts is essential to qualify the products illustrated above as sustainable.

In matters of product environmental communication, the Group's job is facilitated most of all by the **ISO** standards governing environmental labelling. In particular, for the High Performance Polymers

and Advanced Textile Solutions Business Areas, the registered and public Environmental Product Declarations (EPDs), based on Life Cycle Assessment (LCA) studies, completed and prepared according to the related product rules, aid the **Group in maintaining a high level of transparency**.

LCA

(Life Cycle Assessment)

The LCA method has been employed by the Group for all of its main polyamide and polyester based products since 2010, and each product has been examined over the entire life cycle to fully reveal its interactions with the environment. LCA data are used by the Group, both to simulate the potential environmental impact of a new product in the pre-industrial phase and as a basis for creating an Environmental Product Declaration (EPD) and calculating the Product Environmental Footprint (PEF).



EPD

(Environmental Product Declaration)

An EPD, issued by a company running an ISO 14025-certified EPD process, communicates the environmental performance of a product. As of today, EPDs have been developed and published by the RadiciGroup High Performance Polymers and Advanced Textile Solutions Business Areas. All EPDs are published online on a dedicated site operated by an EPD programme operator. For this service, the Group has chosen the International EPD® System, one of the world's most reputable EPD programme operators.

PEF

(Product Environmental Footprint)

The Product Environmental Footprint (PEF) is a methodology, promoted by the European Union, that establishes the rules for calculating, assessing and communicating the environmental performance of goods and services to Stakeholders. PEFs have been issued by the RadiciGroup Speciality Chemicals and Advanced Textile Solutions Business Areas.

Value Chain

Life Cycle Assessment

Life Cycle Assessment (LCA) is a scientific, analytical and systematic methodology that assesses the environmental footprint of a product throughout its entire life cycle, from the extraction of raw materials, to production, distribution, use and final disposal, giving the environmental impact values associated with each phase. It is an important technical foundation, allowing targeted actions to increase product sustainability through precise impact quantification.

A methodology that has been widely used by RadiciGroup for more than a decade, it was also used by numerous companies.

Below is an overview of the LCAs, or LCA-based environmental impact studies, carried out on strategic products for the Group till 2021.



Radici Chimica Novara S.p.A.	Third-party verified PEF study for nitric acid, adipic acid, hexamethylenediamine, bicarboxylic acid mixture (RADIMIX), PA66, PA610, PA66/6 5% CPL, PA66/6 10% CPL, PA XT.
Radici Chimica Deutschland GmbH	Third-party verified PEF study for KA oil, adipic acid, bicarboxylic acid mixture (RADIMIX).
Radici Novacips S.p.A.	EPD (Environmental Product Declaration) certified for Radilon® A and S 25%, 30% and 35% glass fibre compounds, for Heramid® A tenacity-enhanced and 30% glass fibre additivated compounds.
	Third-party verified LCA study for Radipol® - polymer PA6 SD for POY, Radipol® - polymer PA6 SD for staple, Radilon® - PA6 POY 55F10 SD, Radilon® - PA6 SO 44F10 SD, Radilon® - PA6 staple 3.3 dtex SD, Renycle® - POY 55F10 SD, Renycle® - staple 3.3. dtex SD, Renycle® - SO 44F10 SD.
Radici Yarn S.p.A.	Comparative PEF study of garment-dyed PA6 socks compared with PA6 socks made from solution-dyed yarn.
	PEF study on a PA6 and elastane jacket in cooperation with Customers.
	PEF study on PA510 DTY 40F30 SD and PA66 DTY 40F30 SD in the framework of the Lombardy Region POR FESR 2014-2020 call: Smart Fashion and Design.
RadiciFil S.p.A.	EPD third-party certified for PA6 and PA66 BCF yarns; Third-party certified LCA for Renycle BCF 50%.
Noyfil S.p.A.	LCA study for raw and dyed PET and r-PET Starlight®, Radyarn® and Repetable® yarns.

In relation to the HPP area, in addition to the above, around a hundred predictive LCA studies were carried out, in cooperation with Customers, to assess the

impact of a particular type of compound before its actual production and to assess the best choices from an environmental performance point of view.

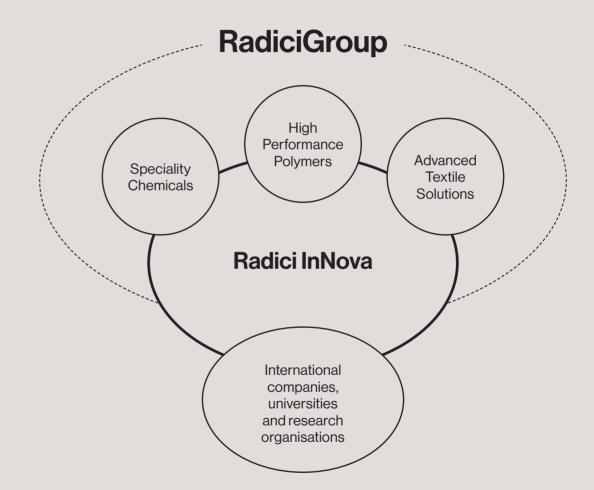
RADICI

Innovation is nothing new for RadiciGroup

Innovation is a **key factor** that has set RadiciGroup apart over the years, allowing the Group to expand into different sectors and offer the market competitive, cutting-edge solutions. By pooling the know-how and skills of the various Business Areas, it has been and is possible for RadiciGroup to **develop integrated advanced research projects, in line with the 2030 Agenda** and thereby inspired by the principles of environmental respect and circular economy, ensuring steady growth and a better future for future generations.

Radici InNova. The Source of InNovation

At the end of 2019, Radici InNova, a Consortium for Research and Innovation, was founded. The new company will play a key role in Radici Group's sustainable growth and provide crucial support for the Group's strategic decision-making.



Projects of strategic importance in 2021

Below are some of the main strategically important projects that met their initial targets during 2021. A common and distinctive feature of all these projects is that they are based on collaboration.

Customers, Suppliers, Scientific Partners and Group Companies have made significant contributions in terms of know-how and vision, with a view to mutually supporting and improving Radici InNova's activities.

- In the area of **new applications**, acquired health sector knowledge and expertise, strongly influenced by three years of the Covid-19 pandemic, was an important starting point for the development of **innovative materials**. In particular, **advanced filtering materials for the environmental and automotive sector**, and **materials for the technical and textile-clothing sector** were researched. In addition, to support the new business related to personal protective equipment, **recyclable and circular textile solutions** were put in place for the medical and workwear sectors.
- In 2021, Radici Innova began an important partnership in a new area for the RadiciGroup: the design of prototype clothing for the space sector, capable of being comfortable to wear while being able to detect the wearer's physiological and vital parameters. This project was the first experience in developing "smart clothing" capable of collecting, storing and exchanging information such as heartbeat, respiration, body temperature from and to the surrounding environment. It marked a first important goal at the beginning of 2022 with the realisation and test use of the first space clothing prototypes made with Group materials.



- Another important activity led to the research and development of alternative processes to obtain the chemical intermediates needed to manufacture the Group's polymers from renewable raw materials. The patent application filed in 2020, for RadiciGroup's process for the purification of bicarboxylic acids, was granted in Italy and Europe in 2021.
- As has been the case for some years now, research into the development of polyamides from renewable sources continued. Numerous Customers have expressed an interest in both chemical intermediates and polyamides from renewable sources. Therefore, an exploratory phase of possible application collaboration was launched.
- In relation to the circular economy, one of Radici InNova's core objectives, projects for the research and development of recycling processes (mechanical, chemical and by dissolution) from post-industrial and post-consumer waste continued. At the same time, ecodesign activities continued to assist Customers in their design process, one of the main results of which was the production of the first recyclable racing ski suit in 2021.

- The strengthening of the internal structure for the life cycle analysis of products and processes designed or manufactured by RadiciGroup has enabled Radici Innova to meet the ever-increasing needs of Group Customers to measure the environmental performance of products and processes to demonstrate their commitments to sustainability.
- This is a significant recognition of RadiciGroup's decision to systematically base its assessments on scientific and reliable measurement systems.
- At the same time, for each of the Group's Business Areas, the activities necessary for the improvement/performance development of products continued, with a focus on optimising costs, improving quality standards and reducing the environmental impact of production processes.





At the end of 2021, RadiciGroup launched the first "circular" ski suit, made according to ecodesign principles and with a zero-kilometre design in collaboration with DKB, a company specialising in technical sportswear.

The suit features a fabric made of Renycle®, a RadiciGroup yarn derived from the mechanical recycling of polyamide (nylon), which allows significant savings in terms of water and energy, as well as reduced CO₂ emissions. The suits padding and range of accessories, including zips, velcro straps and buttons are also made of polyamide. This milestone was achieved thanks to the vital supply chain partnership with entrepreneurial excellences in the area, for the research and development of chemically related materials that can be used in an application requiring high technical performance.

The virtually monomaterial composition of the suit significantly facilitates the recycling of the garment at end-

of-life, through its mechanical transformation into new polymeric material to produce, for example, ski boots and binding components for applications in other demanding sectors such as automotive or furniture.

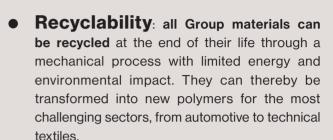
RadiciGroup and its partners began with an ambitious aim: building a **solid example of sustainability and circularity** at the height of the Bergamo mountains, where the project was launched and implemented. The goal was achieved.

Circular economy, all-round sustainability

The circular economy is a **new way to design, produce and use** things and services within the boundaries of our planet, its resources, limitations and opportunities. It is a conceptually and operationally regenerative system that can today count on a favourable normative framework, thanks to the EU Circular Economy package and the European Green Deal, as well as a financial context distinguished by big global operators investing in circularity. The latter is what guides most of the Group's sustainability choices:

- It is a driver of process and product innovation, particularly thanks to ecodesign, and also offers development opportunities in unexplored sectors, thanks to RadiciGroup's range of 100% recyclable materials and recycled and bio-based products offer.
- Motivates production and system efficiency through the reduction of waste and operating costs.
- It is an important lever for value chain transformation and integration, through partnerships for implementing best-practice or supporting best technologies, optimising transport, chemical safety of materials and sharing values such as the health and safety of Workers.
- Contributes to the creation of highly specialised and resilient local production chains, "light" because they are local and flexible, capable of reacting swiftly in a changing situation, as happened in the production of personal protective equipment for medical use during the Covid-19 crisis and described elsewhere in this Report.

RadiciGroup's circularity principles



- Quality recycling: the Group is able to select different waste materials by exploiting their intrinsic qualities and direct them to the most appropriate second life, based on the desired technical, environmental and market performance.
- Renewable resources: renewable resources, especially energy resources, are a key factor in RadiciGroup's sustainability policy. Thanks to its 20-year partnership with Geogreen, the Group has long had more than 50% clean energy in its mix.
- Extended producer responsibility:
 RadiciGroup is inspired by extended producer responsibility schemes to implement structured, controlled and efficient circular economy models.

- Ecodesign: RadiciGroup is increasingly working with Customers and suppliers to design circular products. There is a particular focus on the concept of monomateriality. The concept is based on the realisation of objects using a single material, or very few chemically related ones, that can meet all the necessary performance needs and be immediately recycled at the end of life, possibly mechanically, requiring only the disassembly of the different components.
- Materials: the production offer is largely based on recyclable, durable and recycled materials. Through Radici InNova, the Group is investing in a further area for new and increasingly sustainable sources of raw materials, also obtained through innovative and technologically pioneering processes.
- Processes: the Group invests in optimising every aspect of production, from the use of raw materials to energy resources, combating all forms of waste. Processes are scientifically and rigorously measured to verify their impact.
- Durability: RadiciGroup products are based on high-performance, carefully selected raw materials from traceable and qualified supply chains. Nylon, in particular, is designed for durability and to lend the same feature to Customers' products.

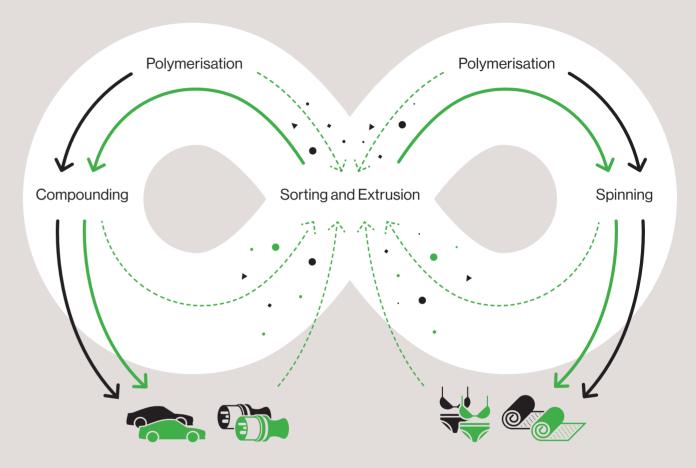


Value Chain

The nylon recycling system for circularity

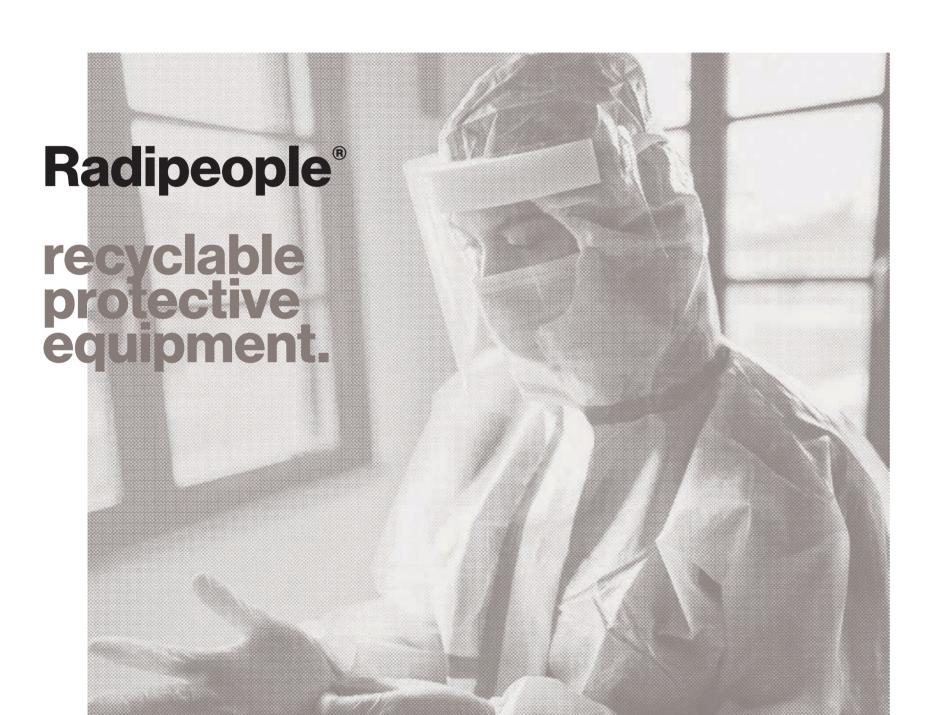
RadiciGroup, by virtue of its know-how in materials formulation and recycling, is able to **channel waste to the industry of origin or a different one** depending on the specific characteristics of the materials and the expected performance of the final applications, **choosing the most sustainable solution**. This applies to **pre-consumer recycling**, i.e. related to the process of industrial waste, and to **post-consumer recycling**, i.e. related to actual objects that have already lived a first life.











In October 2021, RadiciGroup unveiled its new entity dedicated to personal protective equipment (PPE) for industrial use.
Radipeople® was launched, the brand that identifies these garments, as the result of an entirely Italian supply chain, with a focus on raw materials and product quality.

Radipeople® equipment offers excellent defence against external agents, high protection against biohazard and infectious agents and high robustness and lightness to optimise protection and comfort.

The entire Radipeople® range is produced from traceable materials

and the PPE is packaged in eco-designed packaging.

The focus on health and safety, which is one of the pillars of the Group's sustainability strategy, is tangible in the Radipeople®

range and in particular in

Radipeople® Eco,
the first, innovative
"circular" protective
suit, immediately
recyclable at the end
of its life because
it is made of 100%
polypropylene. This allows
immediate recycling of the garment
at the end of its life, without the
need to separate the different
components, through a mechanical
recycling process with limited
environmental impact.





In June 2021, Fashiontech, **a** major technical ecodesign project, was

completed at Radici Yarn, aiming to produce hosiery and garment products using circular knitting technology. All using recycled raw materials, possibly also recyclable, with limited environmental impact, while maintaining performance levels.

Several design phases and results were achieved, first the development of polyamide yarns mass dyed by adding the dyes directly during the extrusion phase. This solution made it possible to

significantly reduce the environmental impact

by eliminating the dyeing step, which requires significant water consumption. The reduced impact of the garments was measured in the second phase of the trial, thanks to a PEF study comparing a mass-dyed product designed within the project, a black sock, with a similar garment-dyed product. The latter was found to have more significant environmental impact than mass-dyed black socks, with a 60% reduction in water use, a **53%** reduction in emissions and , in relation to energy, a 47% reduction.

With a view to circularity, the following design phase, i.e. the development of a totally monomaterial 100% polyamide, recycled, solution-dyed and textured item, also had encouraging results.

From the Code of Ethics

We put our Customers at the centre of everything we do

At RadiciGroup we are constantly working to meet customer expectations and foster the business relationship.

- We work with our Customers according to the principles of fairness, following contractual specifications.
- We are committed to offering quality service and products, at competitive conditions, in compliance with the law. We work together to develop and use low-impact products, through processes that reduce the use of resources and the generation of waste and emissions.
- All our products come with the documentation required by current legislation.
- We provide and ask for comprehensive information from our Customers so that they can always make informed decisions.
- We expect compliance with the agreed conditions and, in turn, we adhere to these same conditions.
 We never carry out services without an appropriate contractual relationship.



RadiciGroup has a **worldwide customer network**, served both through a global distribution network and an internationalised manufacturing operation with plants in major markets. RadiciGroup's production sites and sales offices have followed the evolution of markets with different characteristics by area and sector.

In the polymers and engineering polymers areas, the considerable presence of medium and large-sized companies operating in globalised sectors such as automotive and electrical/electronics requires proximity to the production hubs of each area from a commercial and often also a production perspective. In the fibre area, which involves numerous small to medium-sized players, it is important to manage the customer relationship taking into account the complexities of highly articulated value chains. All RadiciGroup Customers are manufacturing companies.

Again in 2021, RadiciGroup provided Customers with:

- Robust upstream integration with optimised and controlled processes.
- An extensive production, distribution and sales network, a guarantee for the Customer of proximity and continuity of supply.
- Constant awareness of the challenges of different sectors, from circularity to green chemistry, from sustainable fashion to electric mobility and med-tech.
- Strengthening the sustainable solution offer with new recyclable and recycled products.
- R&D activities, with a strengthening of projects in the area of circularity and process and product sustainability, also on the basis of eco-design, to develop high-performance solutions and materials, where possible based on sustainable intermediates, that can be translated into safe, durable, light-impact and recyclable products, in line with the most pressing market demands.

RADICI

From the Code of Ethics

We seek the best to provide the best

In our Group, we choose our Suppliers based on criteria of competitive advantage, equal opportunity, cost-effectiveness, quality, sustainability, as well as on the basis of objective assessments that protect the interest and reputation of our companies.

- We select Suppliers after we have established their reliability, their ability to provide adequate goods and services, and their guarantee of compliance with applicable regulations with a particular focus on legislation on occupational health and safety and environmental protection. To do this, we use objective and verifiable criteria that do not preclude potential access to all those Suppliers who meet the necessary requirements.
- We work with Suppliers according to principles of transparency, loyalty and fairness with a view to stable and enduring business relations.
- To ensure maximum transparency and efficiency of the procurement process, we have set up an adequate traceability system in each Group company, storing the relevant documentation, in compliance with current regulations.
- We require Suppliers to comply with the agreed conditions and we also adhere to them.

The Group's production processes are structure and complex, starting with raw materials: caprolactam, phenol, olon, ammonia, adiponitrile, polypropylene and polyethylene or polyester polymers, materials that are indispensable for RadiciGroup's processes.

There are around 70 Suppliers of strategic raw materials, operating worldwide, and they are linked to the Group by framework agreements. They cover around 65% of the Group's procurement expenditure and are essential for every Group activity.

The Group's Suppliers in relation to turnover and geographical location

breakdown of RadiciGroup Supplier types by turnover in 2021

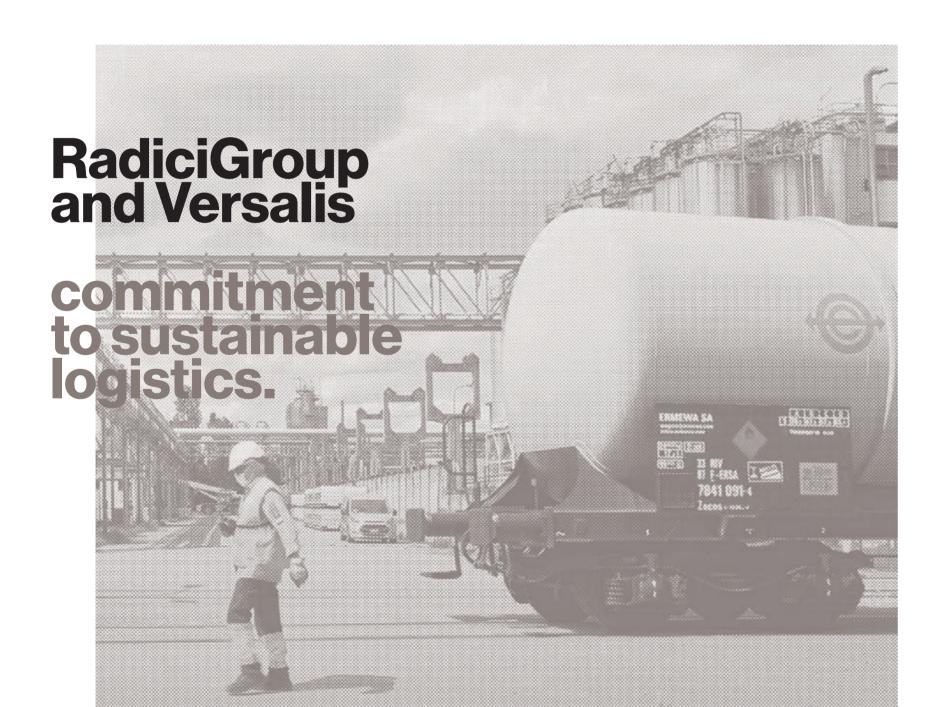
Geographical breakdown of RadiciGroup Suppliers by turnover in 2021

Strategic raw materials between EUR 800 and 830 million Packaging + Transport approximately EUR 68 million Maintenance + Utilities approximately EUR 148 million Other goods or services approximately EUR 133 million

Europe around 85% of turnover* Asia around 10% of turnover North and South America around 5% of turnover

^{*}Of which around 20 key Suppliers account for a turnover of over EUR 10 million.





In a 2021 that saw the need to leverage every part of the supply chain, **RadiciGroup** finalised a major investment project by opening the railway connection at the Versalis plant in Mantua

for the transport of olone to Radici Chimica SpA in Novara.

Olone (KA Oil) is one of the main chemical intermediates used in the production of adipic acid and in the polyamide 66 chain, Radici Chimica's core business. and the basis for subsequent RadiciGroup processing. Versalis, Eni's chemical company, produces it at the Mantua plant from which RadiciGroup takes several tens of thousands of tons a year. Before construction of the iunction, this intermediate left the Versalis site in Mantua by truck to the nearby railway yard. As a result of this investment, the olon

travels exclusively by rail-tanker with increased safety in material handling and transport as well as undoubted environmental benefits. Since it became fully operational,

RadiciGroup and Versalis have achieved an 80% reduction in CO₂ emissions and a primary energy saving of 75%.

This is yet another sustainable logistics initiative implemented by Radici Chimica in line with RadiciGroup's policy for a production system with low direct and indirect emissions.

Value Chain

Work the system, always. **Associations and competitors**

RadiciGroup attaches great importance to its membership of trade, industry and scientific associations. These organisations cover the whole production chain from upstream to downstream and are an important pre-competitive context, where it is possible to:

The membership, in these associations, of numerous Group competitors, providing for open and direct dialogue, testifies to RadiciGroup's full respect for all players in the scenario and for the rules of commercial

- Develop research projects and address key present and future challenges collectively, related to products and systems.
- Share competencies and potential risks in the development of common solutions to meet new needs arising from the market.
- Have one's voice heard at the institutional level and give authoritative support to government bodies in their decision-making and legislative processes, as well as work to build consumer awareness and culture.

RadiciGroup memberships in trade and other associations in 2021



ABRAFAS - Associação Brasileira de Produtores de Fibras Artificiais e Sintéticas	Federchimica Assofibre	
	ICESP-Italian Circular Economy Stakeholder Platform	
AICQ	IHK (Industrie- und Handelskammer)	
Association of Plastics Industry	Nordostchemie	
Camera di Commercio e Industria di Neamt		
Camera di Commercio italiana in Cina	OMA - Ohio Manufacturer's Association	
Camere di Commercio Italo-Ceca	PINFA - Flame Retardants Association	
	Plastics Europe AISBL (BE)	
CEFIC - European Chemical Industry	Plastics Europe Italia	
Chemie Wirtschaftsfoerd GMBH	Proplast	
CIESP - Centro das Indústrias do Estado de São Paulo	SINDTEXTIL - Sinditêxtil Sindicato Indústria Fiação Tecelagem Estado São Paulo Sistema Moda Italia - TexClubTec Spring	
Cirfs		
Comitato Elettrotecnico Italiano		
Confindustria Bergamo		
Confindustria Novara - Vercelli - Valsesia	Tessile e Salute	
IBIS Consortium	Tecnici Materie Plastiche	
Edana	Uniplast-Ente Italiano di Unificazione delle Materie Plastiche	
Ellen MacArthur Foundation		
EPCA - European Petrochemical Association	VTB: Verband der Bayerischen textil und Bekleidungesindustrie	
Federazione Patronale Tessile	Wadsworth Chamber of Commerce	

In 2021, thanks to its membership of the most recognised association and institutional venues, RadiciGroup actively participated in new industry projects to structure collection, management and recycling systems for end-of-life textiles and waste throughout the textile supply chain, in view of the EU Commission's future regulatory interventions for the

sector. Working with major stakeholders in the textile supply chain, always in compliance with fair competition regulations, is crucial for the achievement of objectives. In particular, RadiciGroup has been involved in REHubs initiatives, which promotes the creation of national hubs for sorting and recycling post-consumer textile waste and products at the European level.

Case History





In 2021 Radici Plastics Suzhou, a Chinese company belonging to the High Performance Polymers area, received the **prestigious** "Panda Award" during the annual event organized by the Italy-China Chamber of Commerce under the patronage of the Italian Embassy. The award is intended for Italian and Chinese companies and individuals who have contributed most to the strengthening and development of bilateral economic relations between Italy and China.

This is the first "Panda Award" received by Radici Plastics Suzhou. The reason for this prize is particular and significant: the resilience put in place and the ability to conduct the business profitably despite an extremely complex scenario.

The investments made and the ability to quickly adapt to the

changing context were also recognized.

The Grand Awarding Ceremony saw the participation of over 500 entrepreneurs and representatives of Chinese and Italian institutions and was an excellent opportunity to promote the Made in Italy and the Italian lifestyle in China.

With this recognition, Radici Plastics Suzhou enters a small group of 16 companies qualified as excellent and proves to be able to combine the Italian-Chinese entrepreneurial spirit at best

Media

RadiciGroup's media presence was significant in 2021. The press review and social media monitoring figures once again showed the strong interest among all stakeholders in the Group, its strategies, new product developments and the choices made for the environment, people and local areas.

In the area of communication, along with a structured transparency strategy, RadiciGroup has also benefited from the well-established and excellent relationship with the generalist and trade press. Similarly to other stakeholders, **the Group builds solid, long-term relationships with the media**. During a complex 2021, it was also important to communicate on a regular basis, benefiting not only the press, but the entire value chain.

As far as sustainability is concerned, in 2021, RadiciGroup again adopted the principles of balance and accuracy in communicating its performance and results, always making use of up-to-date data and information to demonstrate the validity of the choices made. It was particularly important to translate the complexity of the Group's sustainability choices into a comprehensible language, able to stimulate and "engage" stakeholders.

2,000 releases in online and print media, both Italian and international.

Focus on
Italian newspapers:
about 1,000
releases.

Focus on international newspapers: around 900 releases in newspapers in various countries where the Group is present.

Among the main **keywords** detected were: **sustainability**, **environmental impact** and **circular economy**, consistent with the Group's communication and information strategy for stakeholders.

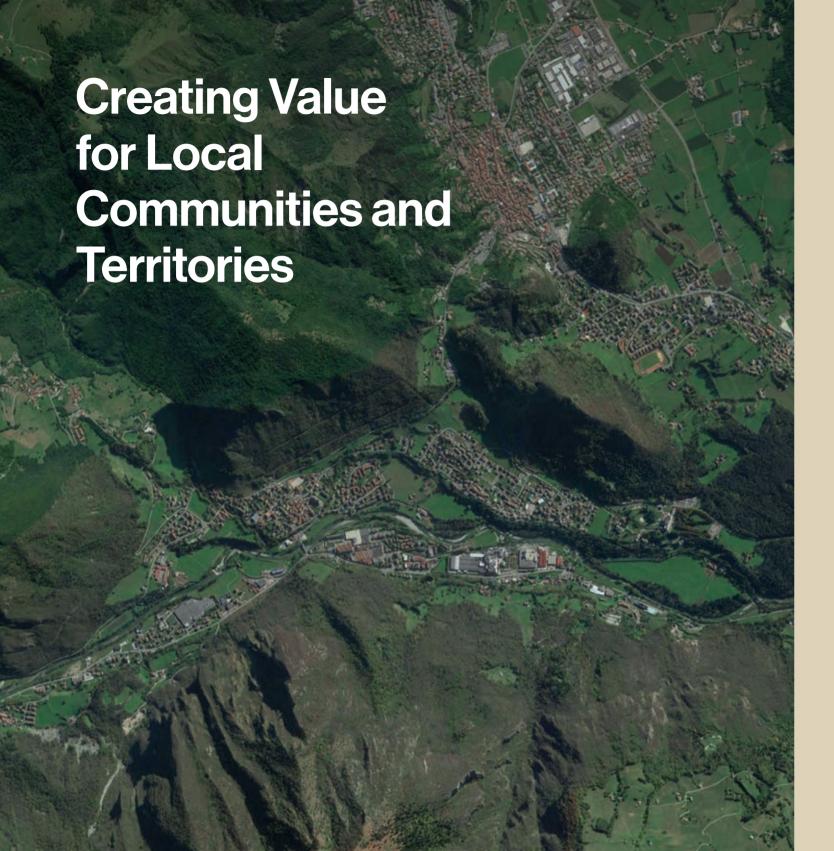
As far as **social media presence** is concerned, **LinkedIn**, **Facebook**, **Twitter**, **Instagram** and **YouTube** had **more than 200 posts** published in 2021. There has been a steady increase in followers and interactions on all the main platforms, an important sign of both interest in RadiciGroup's activities and the intention to directly contact the Group, often to express appreciation for its activities.

Focusing on **LinkedIn**, the main social media networking site used by RadiciGroup, it recorded an **increase of more than 7,600 followers compared to 2020**, a very good result for a business-to-business company. To improve the skills of teams using LinkedIn for Customer contact, a major training course was organised in 2021, which is described in the training part of this report.

1,350 online posts and articles in which RadiciGroup was mentioned.

Online, RadiciGroup has a daily average of 4 mentions.







A reference point in the territory, for the territory

To us, **the territory** is much more than a physical space in which to operate.

It is a part of us, it is in our very roots: we were born and grew here, we founded our companies here. Here, every day, we devote all our efforts and passion to create new opportunities and value.

For this reason we want to improve our territory, and make it, day by day, a safer and healthier place in which to grow and to live.

In our Group, we are aware of the leading role we play in the territories in which we operate.

- We plan our actions with the interests and characteristics of the local area in mind and are committed to cultivating transparent and proactive relationships with local communities.
- While respecting the rules we have set for ourselves, in particular the ban on supporting any political organisation, we strongly support the institutions and associations in the area engaged in cultural, social and sporting activities.





The territory is in our roots

 RadiciGroup is a family business; some members of the Radici family, including the shareholders, reside and are physically present in the areas where RadiciGroup was established and operates.

The first Group company, still in operation today, was established about 80 years ago in Val Gandino, one of the areas of choice of Bergamasque textile entrepreneurs.
Over the years, the company has changed its type of production, market and technology several times, but it has never moved its headquarters.

All the historic RadiciGroup companies are located near urban areas, or are even part of the urban fabric itself.

 At the same time, many of these companies are also located in mountain areas, or in close contact with rivers, woods, protected areas and cultivated fields which RadiciGroup respects.

The Workers are the residents of the host community. About 80% of RadiciGroup Workers in Italy actually reside within a 20 km radius from the Group company where they work.

Local Communities

From the Code of Ethics

RadiciGroup and Local Communities: a single entity

In our Group, we are aware of the leading role we play in the territories in which we operate.

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15

nations

5

different languages

From RadiciGroup to Local Communities

- Production culture with high health and safety standards in all the world.
- Promotion of local social sustainability through welfare policies in the various countries.
- Engine of development in emerging countries and a solid employment opportunity for the younger generation in mountain areas.

From Local Communities to RadiciGroup

- Support and closeness witnesses also by their excellent attendance at public events organised by the Group.
- A unique and special manufacturing know how, a vocation that local schools have cultivated.
- An inclination for **organisational and production flexibility** typical of local communities.
- Local Suppliers, with whom RadiciGroup has established a relationship of trust and loyalty.





Local Communities

RadiciGroup and the territory 2021

In a logic of active corporate citizenship, the Group is attentive to the needs of the territories and responds through projects designed for different cultural contexts and needs.



Radici Novacips SpA and Radici Yarn SpA (Italy) support the community nursery.

Youth Sport

RadiciFil SpA (Italy) supports Juvenes Gianni Radici.

Inclusion

Radici Chimica SpA (Italy) actively responds to the integration needs of the S. Agabio district.

Training

Radici Partecipazioni SpA (Italy) created and maintains the Education Project for relations with schools.

Employees

Radici Chimica Deutschland GmbH (Germany) organises and supports sports events for Employees and the territory.

Engagement and biodiversity

Radici Plastics Ltda (Brazil) grows the first corporate orchard for biodiversity.

Social needs of the territory

Logit Sro (Czech Republic) supports the foundation of the same name and the Podbořany community.

Healthcare

S.C. Yarnea Srl (Romania) through the Gianni and Luciana Radici Foundation is active in the prevention and treatment of serious illnesses of Employees and their families.

Public health, the fight against Covid

Radici Plastics India Pvt. Ltd (India) contributes to the government's PM Cares fund for Covid to support research into the virus.

Youth competitive sport

Radici Partecipazioni SpA (Italy) supports the RadiciGroup Ski Club, with more than 100 local athletes between the ages of 6 and 18.

Flowerbeds and public gardens

Cordonsed Argentina SA (Argentina) works with the municipality for street furniture and supplies materials to municipal gardeners for the maintenance of flowerbeds and public gardens.

Child safety

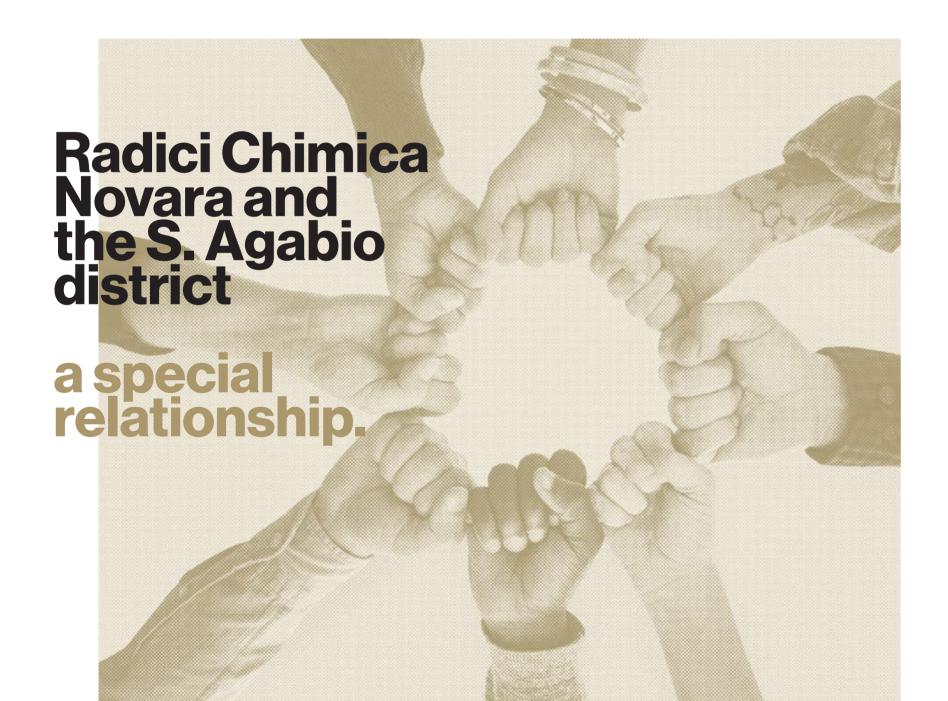
Radici Chemiefaser GmbH (Germany) supported, in cooperation with the police, the production of a colouring book to explain to children how to react correctly in different situations.

Help for families in difficulty

Radici Plastics Inc. (USA), through the contribution of all Employees, supports families in need with special help at Christmas with the Salvation Army's "Adopt a Family" project.

Case Study





In 1986 Gianni Radici, the Group's founder, decided to buy and put back into production the former Montedison factory in Novara, which was a part of the industrial "small town" surrounded by the Sant'Agabio district. Over time, the neighbourhood has increasingly become a multi-ethnic residential area with a strong sense of inclusiveness, a path that Radici Chimica has embraced for many years, reflecting

Among the cultural and social organisations present, supported by Radici Chimica, is the Cassiopea Voluntary Association, which has been preventing school dropouts and bullying, and promoting cultural improvement by facilitating the social integration of families since 1997. School remedial and support activities are also carried

the RadiciGroup

philosophy.

out in coordination with the Istituto Comprensivo Statale C.T. Bellini, which is located in the heart of the district. The most recent initiative in 2021, thanks in part to the support and contribution of Radici Chimica. was the "School Against Bullying and Cyberbullying" course: a training course, aimed at students and their parents, on the conscious use of the Internet and social media. in cooperation with the police. In addition, the institute has set up a psychological support desk for the children and their families to provide an active presence and real support.

The mutual recognition and respect between Radici Chimica and the Sant'Agabio district has been maintained and increasingly consolidated. In fact, the neighbourhood sees Radici Chimica as a reference point growing in importance over time.

Local Communities

The future belongs to generations to come

In particular, the Group gives special attention to the younger generations who are the ones that will bring life to local communities and foster dialogue and relations with companies in the future.

It is on these foundations that the **Education project**was launched, which for years has been establishing
and strengthening effective partnerships between the
Group and the educational institutions in the territories
where its companies operate.

In spite of the emergency situation, Education continued working, mainly online, offering:

- Company internships involving students from local vocational schools.
- University internships.
- Extra-curricular internships that enabled students to be included in site workforces.
- In-person company visits and lectures during permitted periods, and meetings with local entrepreneurs.
- Career guidance interviews with RadiciGroup Management to help young people shape their training path towards a career.
- Webinars held by RadiciGroup experts.

Even in 2021, despite the restrictions still in place, Education ensured that numerous students were able to get in touch with the Group, mostly online, to get to know the companies better. In particular, the Group's companies took part in Informagiovani, an initiative aimed at engaging with young people to help them understand the skills required by the labour market, and in SME Day, a day dedicated to telling the story of companies committed to creating a better future with a special focus on sustainability.

Finally, the Group's HR representatives took part in the Job Festival, an initiative during which more than twenty individual interviews were conducted with final-year students from various technical institutes in the province of Bergamo to find out more about their abilities, aptitude and aspirations.



Sport that coaches for life

The education of the new generations also involves sport. After all, sport and work share the same values: sacrifice, hard work and the desire to constantly improve to reach new ambitious goals.

That is why RadiciGroup supports sports associations, local mainly youth sector clubs that not only teach sport, but also contribute to the growth of young people.

One example is the **support for the RadiciGroup Ski Club**, a Bergamo organisation with over 100 athletes between the ages of 6 and 18.

Furthermore, RadiciGroup is an official Sponsor of the Atalanta Bergamo Football Club, a team very close to Bergamo local communities and to all Group Employees, who are invited to special engagement events featuring the participation of the Atalanta players.



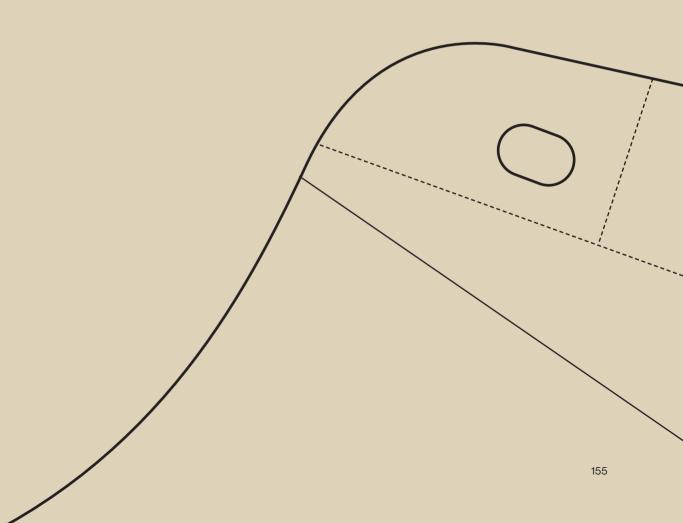
Attention and support for:

Schools

Sports associations

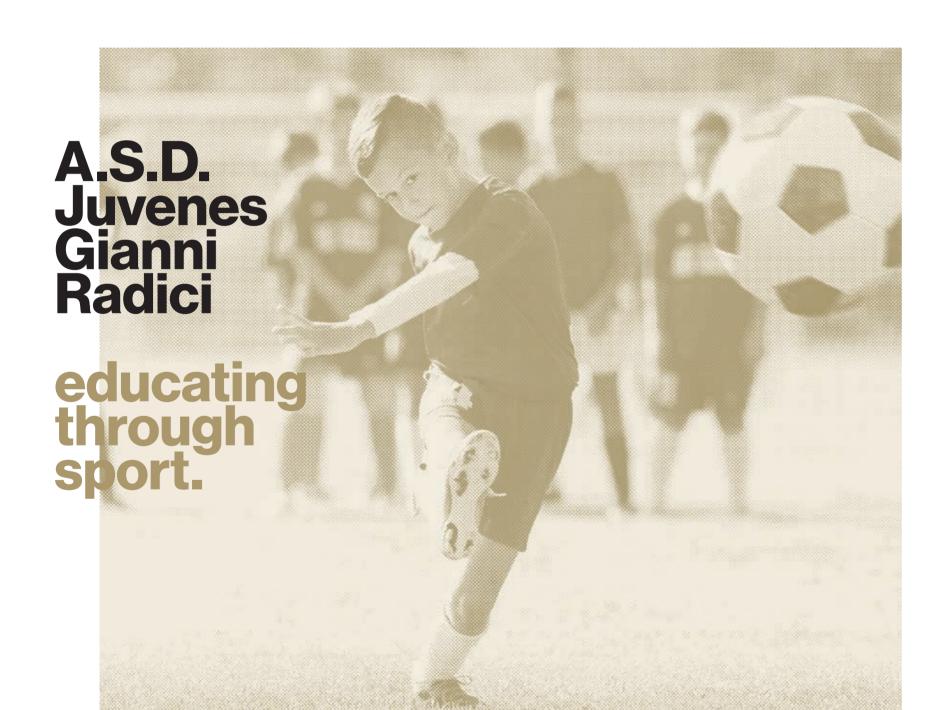






Case Study





A.S.D. Juvenes Gianni Radici is a sports club founded in 2016 with the aim of making sport one of the fundamental factors in the healthy growth of local children.

The company runs a sports centre opposite RadiciFil, a Group company specialising in yarns for textile flooring.

The company supports A.S.D. Juvenes not only because of its social and community value, but also in view of its cutting-edge mission. The cornerstone around which the Society's activities are developed is the Children's Charter of Rights in Sport, drawn up by Unesco in Geneva in 1992. The Juvenes Gianni Radici project offers families an educational and growth programme for young people through

play and football. Sport teaches determination, sacrifice and the desire to constantly improve, values that have always been at the core of Gianni Radici's way of working as well. By putting children at the heart of the project, A.S.D. Juvenes takes up the legacy of Gianni Radici and is committed to a quality

educational programme.

Case Study





Radici Chimica Deutschland: In business as in sport, team spirit wins.

Two mixed teams with one goal: training for the Firmenlauf, the popular regional relay race for company Employees. With this spirit, Radici Chimica Deutschland and its "athletes'

Deutschland and its "athletes' tackled the race in the summer of 2021 and secured very respectable placings. Riders of the two teams sported special limited edition 'Radifix" t-shirts in the traditional corporate "Speciality Chemicals blue".

Participation was encouraged by the company as one **way to** reconnect with sport after the Covid period.

Sport, especially team sport, contributes to well-being and health, as well as fostering

trust and cooperation between people, which are also essential factors in business success.

Not just running. The annual dragon boat races are also famous in Radici Chimica Deutschland, held in the area's old lignite quarries, which have been converted into artificial lakes. Fiercely contested and physically challenging, the last edition of the competition before the pandemic saw the company team challenge German and international teams in paddle strokes, as well as "friends-rivals" from Radici Chimica SpA, its sister company in Novara.







Voluntary quality, safety, environmental and energy management systems, implemented according to the most advanced and recognised international standards, make up a framework of best practices and valuable tools for sustainable management. Over time, RadiciGroup has developed a path to sustainability, which is now a process in its own right, by making management systems a pivotal part of its strategy, which goes far beyond mere compliance. For the Group, the benefits of having management systems in place, from a sustainability perspective and

• Built on the basis of the risk-based thinking approach, which involves the accurate analysis of business context and processes, they make it possible to measure, monitor and manage risks and opportunities from the perspective of, for example, the environment, energy and the use of resources.

beyond, are numerous:

- They bring to the organisation a systemic and process-oriented approach that streamlines procedures and creates synergies between different companies or business areas for a shared management of objectives, related, for example, to Health and Safety matters.
- Through the documented and verified management of processes and the common language of the systemic approach, they make it possible, with a view to strategic planning, to assess results achieved over time both by individual companies and across functions.
- Through certification instruments, which are increasingly an indispensable condition for access to certain markets and highly specialised applications, they can be an important factor in acquiring new business opportunities.

The certifications, in particular, attest to and solidify RadiciGroup's commitment to Quality, Safety and the Environment as well as to transparent and third-party verified product environmental impact reporting.

RadiciGroup Certification Table (updated 30 May 2022)

RadiciGroup Site	ISO 9001	IATF 16949	ISO 14001	ISO 45001	ISO 50001
Corporate					
Radici Partecipazioni S.p.A.	•				
Business Area: Speciality Chemicals					
Radici Chimica Novara S.p.A.	•		•	•	•
Radici Chimica Deutschland GmbH	•		•	•	•
Business Area: High Performance Plastics					
Radici Novacips S.p.A Villa d'Ogna	•	•	•	•	
Radici Novacips S.p.A Chignolo d'Isola	•		•	•	
Radici Plastics GmbH	•	•	•	•	•
Radici Plastics Ltda (Brasil)	•	•	•	•	
Radici Plastics (Suzhou) Co. Ltd.	•	•	•	•	
Radici Plastics Usa, Inc.	•	•	•	•	
Radici Plastics Mexico S. De R.I.	•	•	•	•	
Business Area: Advanced Textiles Solutions					
RadiciFil S.p.A.	•		•	•	•
Logit Sro	•		•	•	•
Radici Yarn S.p.A Villa d'Ogna	•		•		•
Radici Yarn S.p.A Ardesio	•		•		•
S.c. Yarnea Srl	•		•	•	
Radici Chemiefaser GmbH					•
Radicifibras Ltda	•				
Noyfil S.p.A Chignolo d'Isola	•			•	
Noyfil S.p.A Andalo Valtellino	•			•	
Noyfil Sa - Stabio	•		•		
Tessiture Pietro Radici S.p.A.	•		•	•	



Other strategic certifications in 2021

Environmental Product Declarations (EPDs), which are based on ISO standards and comprehensive Life Cycle Assessment studies drawn up in accordance with the respective Product Category Rules, contribute to maintaining a high level of transparency.

The EPDs cover products from the High Performance Polymers area - with Heramid A (PA66), Radilon® S (PA6) and Radilon® A (PA66) - and the Advanced Textile Solutions area - with Radifloor® (PA6 and PA66) Bulk Continuous Filament and Refined Yarns.

The latter business area also sees the presence of the Global Recycled Standard (GRS) certification for nylon-based (Renycle®) and polyester-based (Repetable®) recycled products, and the ISCC PLUS (International Sustainability and Carbon Certification) certification for traceability for circular materials in the nonwovens area.

Assurance statement*



Cartiquality Sri Via G. Glardino, 4 20123 Millano - IT Ph. +39 02 8069171 certiquality.tt C.F. e P.L. 04591610961 R.L. MI 04591610961 R.E.A. MI 1759338 Cap. Soc. € 1.000.000 l.v. Info@cortfoualfity.ht

VERIFICATION OF THE 2021 YEAR SUSTAINABILITY REPORT OF RADICI GROUP

Scope

Certiquality S.r.l. received by Radici Partecipazioni S.p.A. a limited assurance engagement for the Sustainability Report of Radici Group relating to the year 2021 (Italian version), in order to assess its consistency with the guidelines of the GRI (Global Reporting Initiative) Standards, with reference to the option "core", which indicates that the report contains the minimum information needed and the quantification of at least one performance indicator for each identified material topic. This letter describes the activities carried out, it reports on the audit findings and the recommendations for improvement.

The verification has been carried out with reference to the "GRI Standards" published in 2016 by the Global Reporting Initiative and partly updated at a later time, and it has concerned in particular:

- the verification of the definition principles of the report content (stakeholder inclusiveness, sustainability context, materiality, completeness);
- the correct definition of the report boundary;
- the verification of the principles for guaranteeing report quality (balance, comparability, accuracy, timeliness, clarity, reliability of the data and information management system);
- the compliance of the report contents with the ones set out by the GRI Standards guidelines for the "core" implementation level.

The verification has been carried out in compliance with the procedures implemented by Certiquality for audits complying with the UNI EN ISO 19011:2018 standard. The audit has been partially carried out on site, partially off-site and partially remotely, by interviewing relevant staff in videoconference and examining the shared documentation

Methods

The activity has been carried out in accordance with the following operating methods:

- analysis of the "2021 Sustainability Report of Radici Group" Italian version document, with particular reference to the principles and contents set out by the GRI guidelines (definition of the report boundary, standard information and performance indicators);
- interviews with the positions directly or indirectly involved in the drawing up of the document and in the processing of data and information (from collection to further processing);
- examination of documents and records in place at the operative site of Radici Partecipazioni S.p.A. in Gandino and at a representative sample of production sites included in the report boundary: S.C. Yarnea Srl (Romania); Radici Yarn S.p.A. (Italy); Radici Chimica S.p.A (Italy).; Logit Sro (Czech Republic); Radici Novacips S.p.A. (Italy); Radici Plastics Mexico S. de R.L. de C.V;
- the analysis has concerned both the procedures implemented for the collection, filing and processing of data and the technical-normative aspects of the activities carried out.

The economic-financial data are taken from the consolidated balance sheet of Radici Partecipazioni S.p.A., that already underwent a voluntary auditing of accounts (as per letter by Deloitte & Touche of 31/05/2022), therefore they have not been further checked.

The verification activities concerning the management of the data and information contained in the report have been carried out on samples, taking care of ensuring that all the aspects handled in the document have been adequately covered.

Results and recommendations

The "2021 Radici Group Sustainability Report" (Italian version), extended for the first time to the entire scope of consolidation of the economic-financial report, confirms Radici Group capacity to respond to the problems encountered at a global level, already highlighted in previous years. The document is clear and complete and provides an exhaustive overall picture of the relationship of the group companies with the context in which they operate.









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on the website



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Numerical performance indicators are represented over the 3 years 2019-2021, with some references in the text to a wider period, in order to enable an evaluation of the trend of performances since the start of the GRI project. The information is reported in a clear and balanced way and the language used, supplemented where necessary by some explanatory notes, allows it to be understood even by a not strictly technical public. The treatment of environmental aspects is organized according to thematic strands (materials used - waste; energy consumption - atmospheric emissions; water consumption – waste water) which make reading more effective.

As far as the report boundary is concerned, there are no significant exclusions, especially after the extension of the scope to commercial, financial and service companies; the closure of one of the factories, which took place at the end of 2021, has no impact on the reporting period and the same is therefore reasonably included until the end of the period, also with regard to personnel data.

Both the standard disclosure and the representation of the indicators show a good degree of consistency with the requirements of the GRI Standards guidelines, with further progress compared to previous years, although there are still some limited margins for improvement.

In some cases the indicators are reported in a more exhaustive and complete way than the minimum requirement of the Standards (e.g. energy, waste water), referring to previous and more articulated versions of the GRI standards or, as in the case of the value generated and distributed, to other authoritative sources in the field of sustainability communication (Social Report Group), without however derogating from the completeness of the information required by the reference standard.

With regard to some indicators, characterized by the absence of certain facts or events (e.g. absence of party funding, absence of various types of sanctions, absence of discrimination cases), given the difficulty in verification, it was requested to produce declarations the management of the companies or BAs being audited. The data collection and data processing system is sufficiently well-structured and documented at the central level and has been improved at the local level, even if from the verifications carried out on the sample sites some margin for improvement is confirmed, especially with respect to foreign sites.

The audits carried out confirm some specific margins for improvement of limited relevance, inherent, for example, to the homogeneity in the collection of data in different contexts even in the face of very different regulations (e.g. classification and destination of waste, accidents) or to some insubstantial details on the reporting methods (eg water stress, training by employee categories). More generally, it is recommended to pursue further the constant improvement of the data management system, especially as regards the information transmitted to foreign sites regarding the criteria for data collection and the checks to be carried out on the collected data.

Conclusions and asseveration

The verification of the "Sustainability Report of Radici Group" (Italian version) concerning the year 2021 has not given rise to any significant issues, neither as regards compliance with the principles of the guidelines of the GRI Standards, nor as regards its content in terms of reported information or Performance Indicators, while still leaving some room for improvement.

In view of the above, the Sustainability report of Radici Group relating to the year 2021 is declared to be asseverated to the "core" option requirement level of the GRI guidelines.

July 21st, 2022





Tenero Prem X.









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Our places



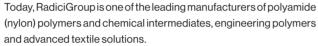
Monte Pora, Bergamo - Italy

A special place in the Bergamo area, but also in the heart of the Radici family. Here, the beauty of nature blends with tradition and a sporting passion for skiing. Extensive facilities and the new floodlit slope are the main training ground for the more than 100 athletes belonging to the historic RadiciGroup Ski Club.



Val Gandino, Bergamo - Italy

Here, in 1941, in this narrow valley surrounded by the Bergamasque Prealps, Pietro Radici founded Tessiture Pietro Radici SpA. Today, Radici Group is one of the leading manufacturers of polyamide





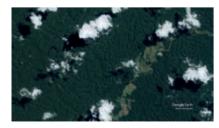
Planet Earth

This Sustainability Report is dedicated to the Earth. The Earth contains RadiciGroup world, here every day we develop new ideas to grow and concrete solutions to respect the Planet and make it a better place for generations to come.



Lüneburg - Germany

In 1998, thanks to the acquisition of an important German compounder in Luneburg, Radici Plastics GmbH is founded. It is a global reference point in the production and sale of engineering plastics.



Amazon rainforest - Brazil

Brazil is one of the countries where RadiciGroup operates. Here can be found one of the most precious world heritage sites, on which the entire existence of our planet depends: the Amazon Forest. It covers 6.7 million square kilometres and holds the largest pluvial forest and the richest fluvial system in the world.





Stabio - Switzerland

Novfil SA. located in the Canton of Ticino, in the Advanced Textile Solutions Business Area, is active in the design, production - by extrusion and spinning process - and sale of continuous polyester varn (PET) and polylactide-based varn (PLA) in raw, solution-dved and additivated versions.



Samsø - Denmark

Samsø is not only a beautiful Danish island, it is also a symbol par excellence of sustainability, having achieved 100% energy independence in less than five years.

This makes it a very special place for RadiciGroup, a model to be inspired by every day.



Wadsworth - USA

Thanks to the acquisition of American compounder Michael Day of Wadsworth, which has now become Radici Plastics USA, the Bergamo-based group is continuing its development strategy in the major polyamide engineering plastics sector markets, especially in the plastic components sector for the automotive market.



Villa d'Ogna, Bergamo - Italy

Two of the Group's main companies are based here:

- Radici Novacips, headquarters of the High Performance Polymers area, one of the most qualified multinational companies in the field of polyamide and polyester-based engineering plastics;
- Radici Yarn, Europe's leading manufacturer of a wide range of nylon yarns and staple fibres.



Bernina Glacier - Switzerland

Situated between Lombardy and the Canton of Graubünden, it is one of the main and highest mountain massifs in the Alps and symbolically represents RadiciGroup's link with the Noyfil industrial company in Switzerland.

Sustainability Report collaborators

An important group of people collaborated on preparing the Sustainability Report, making a major contribution to the commitment to transparency and reporting made by the Group starting in 2003.



Nicola Agnoli	Maurizio Cerina	Mauro Invernizzi	Gerhard Pfeiffer
Stefano Alini	Gianluca Cesco Frare	Michael Jordan	Sergio Plascencia
Guillermo Ambrosio	Claudia Ciurcan	Susan Krause	Matteo Poma
Pierluigi Arrighetti	Teresa Chen	Jiří Kubica	Enza Prisco
Tiziana Arrighetti	Paola Corbani	Miroslav Kuthan	John Rae
Fabio Artimiak	Mauro Corsellini	Aliz Lassan	Alessandra Ramos
Luca Arzuffi	Edi Degasperi	Stefania Locatelli	Shelly Ray
Violeta Avram	Francesca Dellino	Walter Locatelli	Arianna Restelli
Petra Bannert	Massimo De Petro	Zaira Locatelli	Angela Reuther
Rita Barbaini	Sara Di Fiore	Andrea Longhi	Miguel Rodrigues
Roberta Beltrami	Doria Dong	Camilla Lorenzi	Davide Roncato
Elias Bernardo	Silvio Dorati	Marco Lupato	Antonio Rottigni
Maria Teresa Betti	Daniele Dossi	Rachel Ma	Erivaldo Santos
Matteo Bettinaglio	Janina Egger	Eros Madaschi	Alfonso Sanz
Simone Bispo	Lucas Estefani	Michele Magnati	Stefano Savoldelli
Filippo Bona	Humberto Estrada	Alessandro Manzoni	Nicole Seidel
Flavio Bonandrini	Chiara Ferraris	Franco Maretoli	Abele Servalli
Alessandro Bonarini	Pamela Fleischer	Fabrizio Mastandrea	Alberto Sessolo
Raffaele Bonodio	Paulo Freitas	Elena Matei	Carlos Sotelo
Brian Boyle	Andrea Galla	Maria Mazzoleni	Juliana Souza
Kumar Brajesh	Marco Gamba	Silvia Meloncelli	Rafael Sousa
Enrico Buriani	Pio Gazzini	Jens Metzner	Aaron Sun
Martina Caccia	Elisa Gelmi	Danilo Micheletti	Katia Sutil
Stefano Cagninelli	Luigi Gerolla	Paolo Nava	Mariagrazia Tateo
Francesco Calamina	Alberto Giana	Junior Oliveira	Marta Uglietti
Ottavio Calia	Cristina Giromini	Giorgio Ongaro	Gabriela Ursache
Alessandra Campana	Ettore Grassi	Ervedo Oprandi	Valentina Verratti
Jane Campos	Laura Grassini	Maddalena Orsini	Vanessa Villasenor
Paola Capella	Marzia Gritti	Carlo Sante Paganessi	Uwe Wedekind
Susanna Caprotti	Alessia Guadagni	Monica Paganoni	Lu Xian
Marisa Carrara	Marco Guerini	Alessandro Pagnini	Antonella Zaffaroni
Sara Carrara	Riccardo Guerini	Fabio Pandolfi	Cristian Zanchi
Ana Caroline	Felix Hua	Martina Pandolfi	Marius Zavada
Alessandra Cassera	Bertrand Honneger	Paola Panzeri	Chiara Zilioli
Antonella Castelli	Gritt Hultsch	Federico Percassi	Daniela Zulato
Claudia Castelli	Antonella Imberti	Anderson Pernambuco	Laura Zulato
Lucie Cecrlova	Maida Indigeno	Giorgio Pezzoli	



For further information on the Sustainability Report: communication@radicigroup.com