## TO BE GLOCAL 2017

## RADICIGROUP INSIDE YOUR WORLD

With approximately 3,000 employees, a sales revenue of EUR 946 million in 2016, and a network of production and sales sites located throughout Europe, North America, South America and Asia, RadiciGroup is one of the world's leading producers of a wide range of chemical intermediates, polyamide polymers, engineering plastics, synthetic fibres and nonwovens.

These products are the result of the Group's outstanding chemical know-how and vertical integration in the polyamide production chain, developed to be used in a variety of industrial sectors such as:

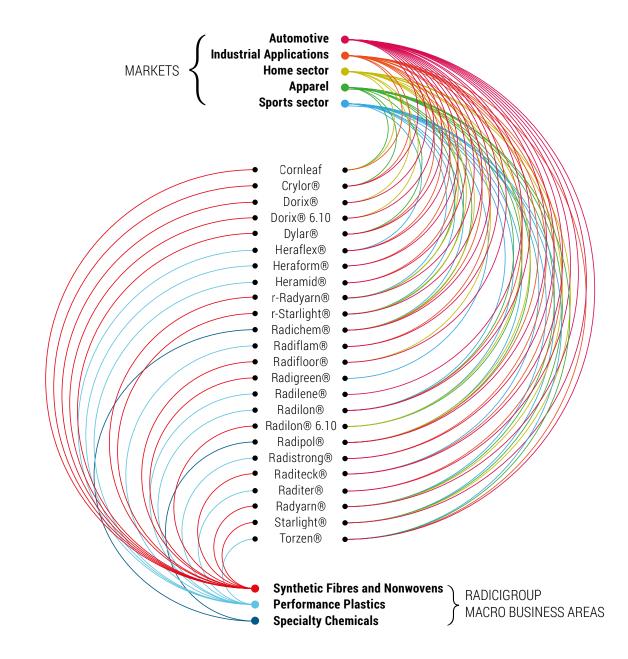
- AUTOMOTIVE
- ELECTRICAL AND ELECTRONICS
- CONSUMER GOODS
- APPAREL
- FURNISHINGS
- CONSTRUCTION
- HOUSEHOLD APPLIANCES
- SPORTS

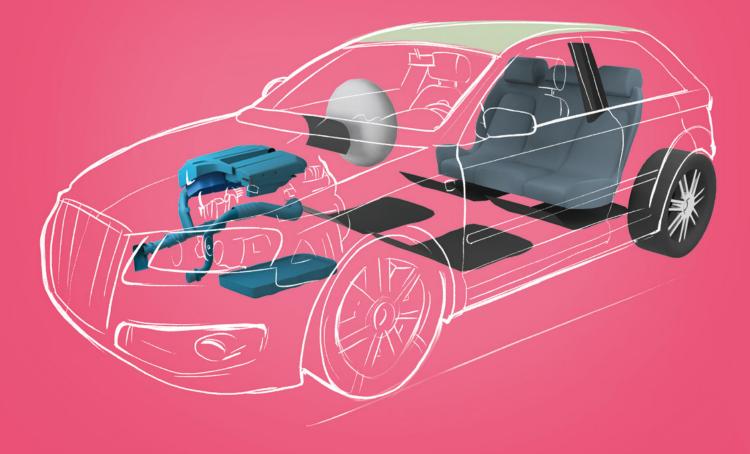
The basis of the Group's strategy is a strong focus on innovation, quality, customer satisfaction and social and environmental sustainability.

With its business areas - Specialty Chemicals, Performance Plastics and Synthetic Fibres & Nonwovens (Performance Yarn, Comfort Fibres and Extrusion Yarn), RadiciGroup is part of a larger industrial group that also includes textile machinery (ITEMA), energy (GEOGREEN) and hotel businesses (SAN MARCO).



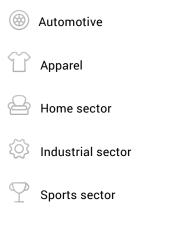
## **OUR MARKETS & BRANDS**





## **OUR MARKETS & BRANDS**

Every brand name can be associated to one or more application areas...



... and to a sustainability property with graphic icons that identify:

Products dyed using ecofriendly solution dyeing technologies.

- Biopolymer-based products derived from renewable sources.
- Products made with recycled and/or waste materials.
- Products manufactured with renewable energy.
- Recyclable products.

### SPECIALTY CHEMICALS





### **RadiPol**®

PA6 polymers and copolymers for compounding, films, industrial yarn and textile fibres. PA6.6 polymers and copolymers for compounding, fast moulding cycle, extrusion, monofilaments, films, industrial yarn and textile fibres.

Long chain polyamides PA6.10 (bio-polymer) and PA6.12 for compounding, injection moulding, monofilaments, industrial yarn and textile fibres. High Temperature PA for extrusion of monofilaments.





### **RadiChem**®

Adipic Acid for the production of fibres, PA6.6 engineering plastics, polyurethanes, resins, plasticizers, lubricants, adhesives, additives, pharmaceuticals, insecticides and herbicides. Hexamethylendiamine, intermediates for polyamides and coatings; AGS, intermediate for polyesters and solvents. Nitric Acid for metallurgy, steel treatment, zinc-plating and chromiumplating (galvanic industry), machinery cleaning and disinfection (dairy industry) and nitrogen fertilizer production.

KA Oil. Esters for biodegradable solvents, paint removers, cosmetics, detergents, coatings, plasticizers and chemical intermediates.

### PERFORMANCE PLASTICS





#### **Radilon**®

PA-based engineering thermoplastics (PA6, PA6.6, co-polymers, PA6.10, PA6.12, PPA and other special PA for high temperature resistant applications) for injection moulding, extrusion and blow moulding. Main applications in the automotive, furniture, electrical/electronic, and technical/industrial sectors along with consumers goods.





### **Radistrong**®

A range of special PA-based thermoplastics, including long glass fiber reinforced grades (LFT) for injection moulding of high mechanical resistance items. Main application sectors: the automotive and technical/industrial sectors.





### **Heramid**®

Low-environmental impact thermoplastic compounds, manufactured using mainly post-industrial, selected secondary raw materials (PA6, PA6.6). Main applications in the technical-industrial sector along with the automotive and electricalelectronic sectors.





#### Torzen®

PA6.6 compounds including improved heat resistant specialities (Torzen® Marathon) for automotive, electrical & electronics, industrial and consumer applications.









### **Radiflam**®

A line of PA and polyester – based flame-retardant engineering thermoplastics used for injection moulding and extrusion. Main application sectors: the electrical/electronic, automotive, technical/industrial sectors along with consumer goods.





### **Raditer**®

A line of polyester based (PBT and PBT blends) engineering thermoplastics for injection moulding. Main applications in the technical and industrial sectors, along with the automotive and electrical/electronic sectors.





### **Radilene**®

Recyclable and non toxic polyethylene-based infill for synthetic turf sports fields. Polypropylene-based compound, glass fibre reinforced used for extrusion for applications in the automotive sector.





### Heraform®

POM acetal co-polymers destined to applications in the automotive and technical/industrial sectors.



### **Radiblend**®

Polycarbonate blends (PC) with ABS, PET and PBT for applications in the automotive sector and in consumer goods. Available only in the NAFTA area.

## **OUR MARKETS & BRANDS**

SYNTHETIC FIBRES AND NONWOVENS

PERFORMANCE YARN - FLOOR COVERING





### Radifloor®

Polyamide 6 and 6.6 BCF yarn for domestic/residential, contract and automotive carpeting, coverings and upholstery.

## dorix<sup>®</sup>



### © B V

### dorix®

Polyamide 6 staple fibre available in raw-white and solutiondyed versions, the latter in tailor-made colours.

It is used in the automotive, technical/industrial, apparel and carpeting sectors.

## dorix<sup>®</sup>

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### dorix® 6.10

64% Bio-based polyamide staple fibre, available in a vast range of colours. It is the ideal solution for the contract textile floor coverings sector, particularly the manufacture of carpeting and needle-felt carpet tiles for high performance applications where colour fastness and resistance to wear and tear are a must.

### **PERFORMANCE YARN - INDUSTRIAL**





### **Raditeck**®

High-tenacity polyamide 6.6 yarn used for the production of technical items for sports, automotive and industrial applications.

COMFORT FIBRES - POLYAMIDE

## radilon®



### **Radilon**®

Polyamide yarn and staple used for the production of fashionwear, technicalwear, sportswear and intimatewear, as well as household furnishings.

## radilon



### Radilon® 6.10

64% biobased polyamide yarn, ideal for apparel (ready to wear, technicalwear, sportswear, intimatewear), and for home interiors.

## rad teck



### **Raditeck**®

High-tenacity polyamide 6.6 yarn used for the production of technical items for sports, automotive and industrial applications.

COMFORT FIBRES - POLYESTER

### -Radyarn-



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### **Radyarn**®

Raw-white and solution or yarn dyed polyester, available in additivated versions (flame retardant, bacteriostatic, UV protection) and also as microfibre, supermicrofibre and bicomponent fibre (PA/PET) for apparel, household furnishings, automotive and technical/industrial applications.

### r-Radyarn-

### r-Radyarn®

Continuous polyester filament derived from post-consumer recycled polymer, it boasts high versatility as for its dope dyed, bacteriostatic, and UV stabilized versions. It can be used for a wide range of applications, from apparel, to home interiors to technical applications.



### Starlight®

Raw, solution-dyed and additivated polyester yarn (flame retardant, bacteriostatic, UV protection) for numerous applications, from upholstery to curtains, sportswear, hygiene, medical and automotive.



### r-Starlight®

Eco-sustainable polyester yarn produced from post-consumer recycled PET bottles; suitable for a vast range of applications from apparel to upholstery, automotive, technical and industrial applications.

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EXTRUSION YARN - SPUN BOND





### **Dylar**®

High performance polypropylene nonwoven spunbonded available from 12 to 150 gr/sqm. Suitable for bulding / roofing, packaging, medical applications, automotive, filtration, agriculture, furnishing, table clothes and single-use items.

### EXTRUSION YARN - SPECIALTY





### **Radigreen**®

Polypropylene, polyethylene and polyamide artificial grass yarn for sports fields, recreational and domestic indoor and outdoor applications, including landscaping (gardens and urban design).

### OTHER FIBRES





### Cornleaf

Raw or solution-dyed yarn, available with antimicrobial functionality, made from Ingeo<sup>™</sup> polylactic acid (PLA) 100% natural biopolymer. Derived from renewable sources, this product is suitable for apparel, intimate wear, furnishings and consumer goods.





### Crylor®

Acrylic fibre and top for technicalwear, sportswear, knitwear and upholstery.

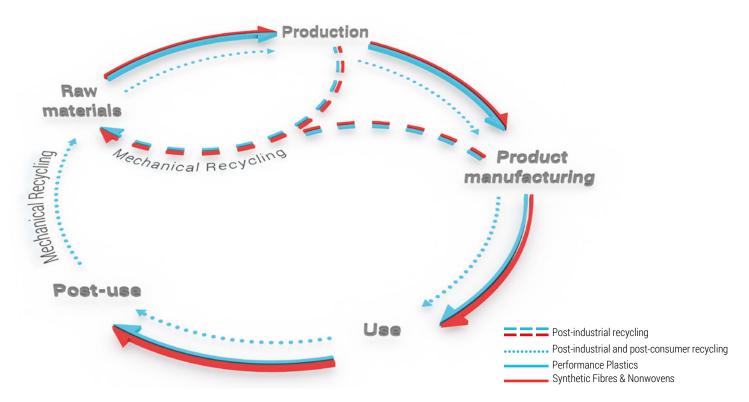


## **CIRCULAR ECONOMY**

RadiciGroup is fully committed to circular economy. In a circular economy the value of products and materials is maintained for as long as possible.

Waste and resource use are minimised, and when a product reaches the end of its life, it is used again to create further value. Through its recycled and recyclable products in particular, RadiciGroup intends to contribute to a sustainable industrial system, in which  $CO_2$  emissions are low, resources are efficiently used and competitiveness is maintained.

This transition can radically transform economy, bringing major economic benefits and contributing to innovation, growth and job creation.



## ECODESIGN

To RadiciGroup, Ecodesign means considering, at the design stage, a product's environmental impact throughout its whole life cycle. This has a high potential to facilitate improved environmental performance in a cost-effective way, including resource and material efficiency.

Flexibility should be sufficient to enable this strategy to be integrated in product design while taking account of technical, functional and economic considerations.









## **VISION, MISSION, VALUES**

### VISION

• To be one of the leading chemical groups in the polyamide, synthetic fibres and engineering plastics production chain.

### MISSION

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

### VALUES

- Putting people at the centre of everything we do, respecting their right to physical and cultural integrity.
- Efficiency and effectiveness of our management systems to improve our business.
- Fairness and transparency of our management systems to comply with all applicable laws and regulations.
- Attention to the needs and expectations of our stakeholders in order to create a feeling of belonging and satisfaction.
- Reliability of our management and operating systems to ensure the safety of our employees, our community and the environment.
- Our responsibility as a company for our workers, productionsites and communities.

## THE RADICIGROUP KEY NUMBERS

RADICIGROUP PERSONNEL

2,967 employees

2016 SALES - CONSOLIDATED FOR EACH BUSINESS AREA (Millions of Euro)







## A GLOBAL PRESENCE

ASIA **China** Shanghai Suzhou

**India** New Delhi

### AMERICAS

**Argentina** Buenos Aires Rio Grande

**Brazil** Araçariguama São José dos Campos

**Mexico** Ocotlán

**USA** Wadsworth

### EUROPE

Czech Republic Podborany

France Saint Priest

**Germany** Hamburg Lüneburg Selbitz Tröglitz

Hungary Szentgotthard

Italy Andalo Valtellino Ardesio Casnigo Chignolo d'Isola Gandino Novara Villa d'Ogna

The Netherlands Born

**Romania** Savinesti

**Spain** Barcelona

Switzerland Stabio

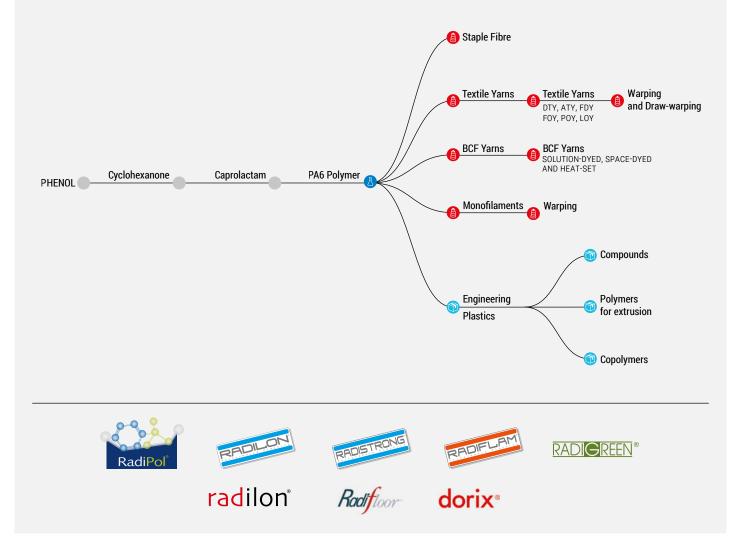
United Kingdom London

## **SYNERGY & INTEGRATION** PA6

Production chain integration from polymer to semi-finished products. Specific know-how in the Business Areas Performance Plastics and Synthetic Fibres.

Value added: downstream technologies and applications.

- Specialty Chemicals
- Performance Plastics
- Synthetic Fibres and Nonwovens
- Products and Processes outside RadiciGroup

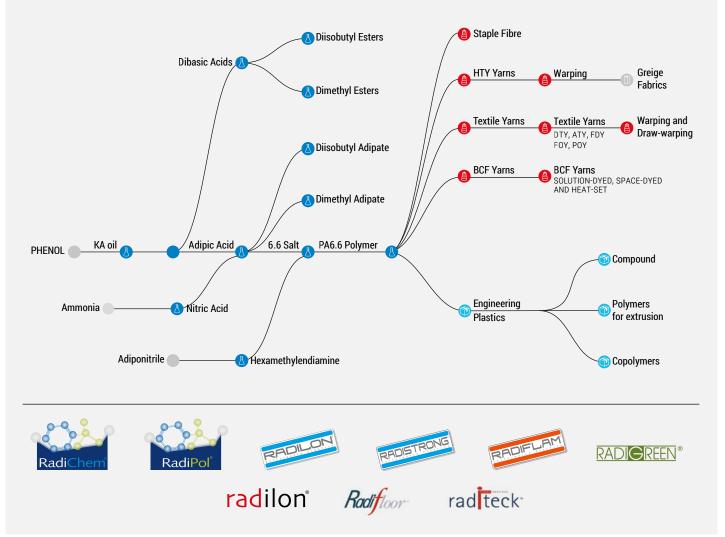


## **SYNERGY & INTEGRATION** PA6.6

Production chain integration from monomer to semi-finished products. Specific know-how in the Business Areas Specialty Chemicals (intermediates), Performance Plastics and Synthetic Fibres.

Value added: downstream technologies and applications.

- Specialty Chemicals
- Performance Plastics
- Synthetic Fibres and Nonwovens
- Products and Processes outside RadiciGroup

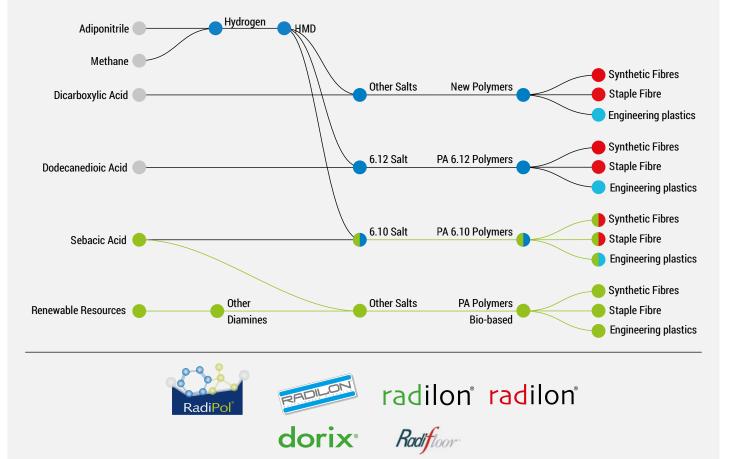


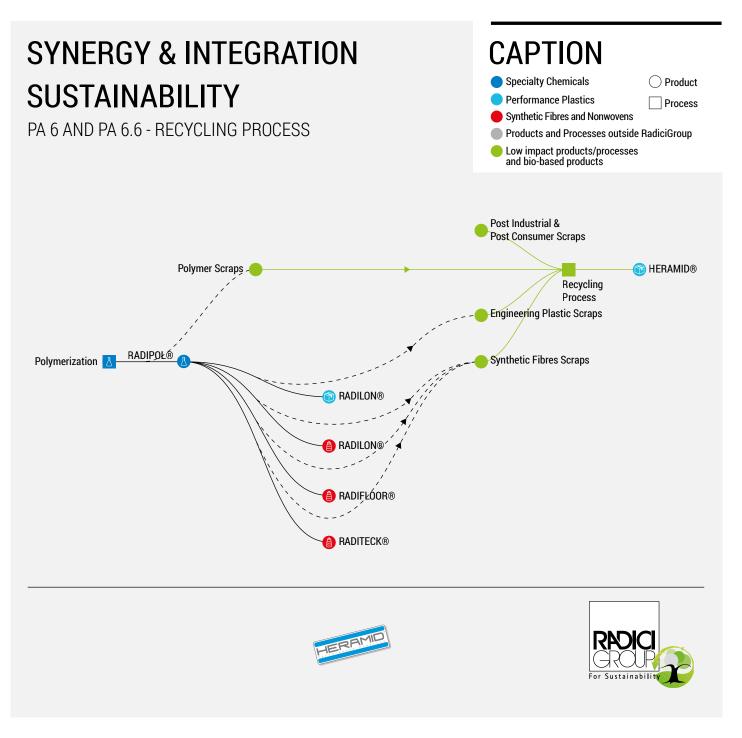
## **SYNERGY & INTEGRATION** PA6.10, PA 6.12 AND OTHER POLYMERS

Partial upstream integration from monomers to semi-finished products. Specific know-how in the Business Areas Performance Plastics and Synthetic Fibres. Value added:

- · Sustainable raw materials from renewable sources (polyamide 6.10 and other polymers)
- · Long- chain polyamides with better chemical properties
- · High-temperature resistant polyamides
- · Market driven developments

- Specialty Chemicals
- Performance Plastics
- Synthetic Fibres and Nonwovens
- Products and Processes outside RadiciGroup
- Low impact products/processes and bio-based products





CAPTION

Specialty Chemicals

Warping and

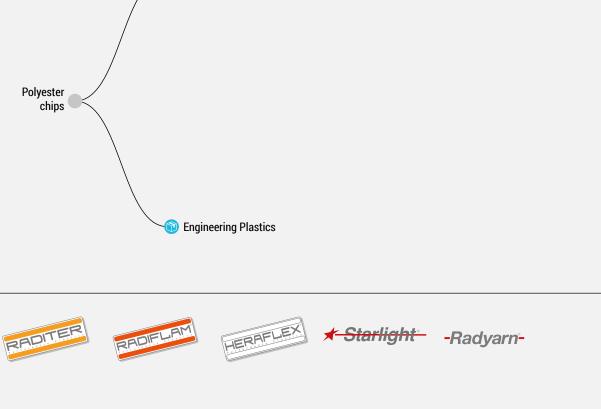
Draw-Warping

**Performance Plastics** 

Synthetic Fibres and Nonwovens

Products and Processes outside RadiciGroup

Knitted Fabrics



Textile Yarns

textured-twisted

Production chain integration from polymer to semi-finished products. Specific know-how in the Business Areas Performance Plastics and Synthetic Fibres.

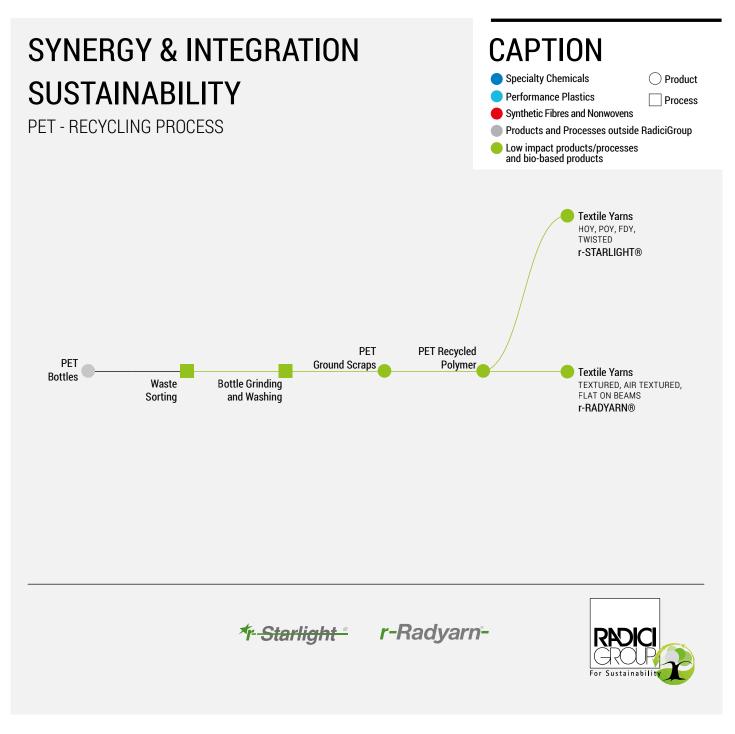
Textile Yarns

POY, FDY, HOY

Value added: downstream technologies and applications.

## **SYNERGY & INTEGRATION PET-PBT**



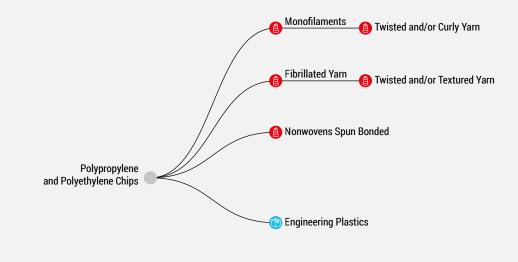


## **SYNERGY & INTEGRATION** PP-PE

Production chain integration from PP or PE polymers to semi-finished products. Specific know-how in the Business Areas Performance Plastics and Synthetic Fibres & Nonwovens.

Value added: downstream technologies and applications.

- Specialty Chemicals
- Performance Plastics
- Synthetic Fibres and Nonwovens
- Products and Processes outside RadiciGroup

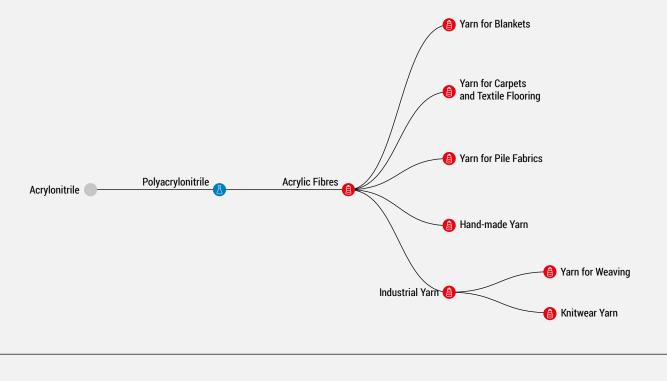




## **SYNERGY & INTEGRATION** ACRYLIC

Production chain integration from polymer to semi-finished products. Specific know-how in the Business Area Synthetic Fibres. Value added: downstream technologies and applications.

- Specialty Chemicals
- Performance Plastics
- Synthetic Fibres and Nonwovens
- Products and Processes outside RadiciGroup





## RADICIGROUP PRODUCTS WITH A LIMITED ENVIRONMENTAL IMPACT











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### Manufactured using recycled raw materials

Heramid®: PA6 and PA6.6 engineering plastics r-Starlight®: polyester textile yarn r-Radyarn®: polyester textile yarn

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### Manufactured using clean energy

Radipol®: PA6, PA6.6 e PA6.10 polymers Radilon®: PA6 e PA6.6 engineering plastics Heramid®: PA6 and PA6.6 engineering plastics Radifloor®: PA6 and PA6.6 BCF yarn Radigreen®: PA artificial grass yarn Radilon® staple fibre®: PA6 staple Radilon®: PA6 and PA6.6 textile yarn

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### Manufactured using biopolymers obtained from renewable source materials

Radilon® D: PA6.10-based engineering plastics Radilon® 6.10: PA6.10-based textile yarns dorix® 6.10: PA6.10-based staple fibre Radilon® PX: bio-based engineering plastics Biofeel: bio-based textile yarns dorix®: bio-based staple fibre Radifloor® PX: bio-based BCF yarn CornLeaf®: Ingeo™ polylactic acid (PLA) yarn

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#### Solution-dyed saving water and energy Radifloor®: PA6 BCF yarn

dorix®: PA6 staple Radilon® staple fibre: PA6 staple Radilon®: PA6 and PA6.6 textile yarn Radyarn®/Starlight®: polyester textile yarn r-Radyarn®/r-Starlight®: recycled polyester textile yarn

Recyclable products All products

## THE RADICI WORLD STRUCTURE

### PERSONNEL

### 3,800 employees

The Radici World was founded in the 20's with the first trading activities of household textiles. Today it includes manufacturing and trading companies operating in the textile machinery sector, in energy production and trading, along with the business areas of RadiciGroup: Specialty Chemicals, Performance Plastics and Synthetic Fibres and Nonwovens.



#### GEOGREEN

Geogreen is an Italian company founded in 2000 as RadiciGroup's sole energy provider, it is one of the leading suppliers of integrated products and services from the supply of electric power, to the production of hydroelectric and thermoelectric energy (cogeneration) and the development of projects and businesses in the biofuel, biomass, photovoltaic and thermal solar energy, and gas sectors. Power production and supply is Geogreen's core business.



#### HOTEL SAN MARCO

Situated in the heart of Bergamo, Hotel San Marco is a prestigious hotel featuring private suites and rooms with the most up-to-date comforts.

The hotel facilities include well-appointed rooms for meetings, receptions and incentive events. On the top floor of the hotel is the famous Roof Garden Restaurant.

# itema

#### ITEMA

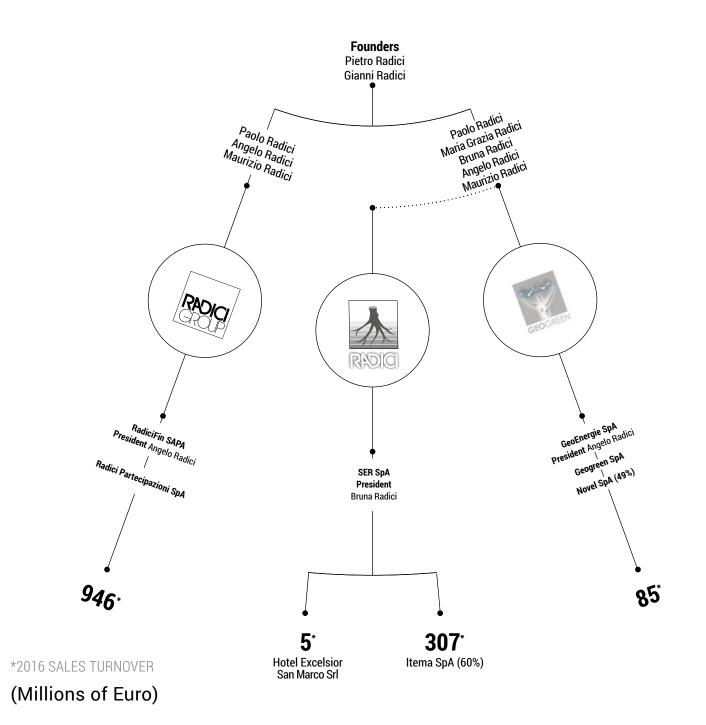
ITEMA is a leading supplier of advanced weaving solutions – state-of-the-art looms, spare parts and fully integrated services – and has played a key role in the history of the Italian textile machinery industry. ITEMA Group was born out of the merger of the well-known textile machinery brands Somet, Vamatex and Sulzer.

The Group is headquartered in the Seriana Valley in the province of Bergamo, Italy – the birthplace of great names in the Italian textile industry –, and is the only manufacturer in the world to produce weaving machines with the top three shuttleless weft insertion technologies: rapier, airjet and projectile.

Itema produces its highly technological weaving machines in its main production sites of Colzate and Vilminore di Scalve (Italy), Zuchwil (Switzerland) and Shanghai (China). It also has sales offices in India, Japan, Hong Kong and Dubai.

www.itemagroup.com

#### www.geogreen.it



## **INDIRIZZI / ADDRESSES**

ARGENTINA

### CORDONSED ARGENTINA S.A.C.I.I.Y F.

Argentina, Buenos Aires RA - 1426 - Tinogasta 5242, Capital federal Ph. +54 (0) 1157782531/32/33 Fax +54 (0) 1157782552 *e-mail: cordonsed@cordonsed.com.ar www.radicigroup.com/fibres* 

Production and sale of: acrylic fibres staple and top (Crylor®).

Produzione e commercializzazione di: fiocco e top di fibre acriliche (Crylor®).

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### **Cordonsed SA**

Argentina, Rio Grande - Tierra del Fuego RA - 2961 - Calle Islas Malvinas Ph. +54 29 64431227 Fax +54 29 64432227 *e-mail: cordonsed@cordonsed.com.ar www.radicigroup.com/fibres* 

Production of: acrylic fibres staple and top (Crylor®).

### Produzione di: fiocco e top di fibre acriliche (Crylor®).

### BRAZIL

RadiciFibras Ltda Brazil, Sao José dos Campos (SP) BR - 12211-180 - Rua Pedro Rachid, 846 Ph. +55 12 390964 12 Fax +55 12 392205 92 *e-mail: fashion.fibres@radicigroup.com www.radicinylon.com.br www.radicigroup.com/fibres* 

**Production and sale of:** beams for weaving, warp-knitting and warping. Textured PA6 yarns for circular knitting (Radilon®). Acrylic fibres staple, Tow and Top (Crylor®).

Produzione e commercializzazione di: subbi per tessitura, maglia in catena e ordito. Filo testurizzato di PA6 per maglieria circolare (Radilon®). Fiocco, Tow e Top di fibre acriliche (Crylor®).

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### **Radici Plastics Ltda**

Brazil, Araçariguama - Sao Paulo BR - 18147-970 - Rua Giuseppe Marchiori, 497 Ph. +55 11 41366500 Fax +55 11 41362166 *e-mail: brasil.plastics@radicigroup.com www.radicigroup.com/plastics* 

Production and sale of: PA6, PA6.6, PA6.10 and PA6.12 engineering plastics and copolymers (Radilon®, Heramid®, Radiflam®, Torzen®), PC/ABS - ABS (Radiblend®), PBT and PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), long-fibre reinforced PA6 and PA6.6 (Radistrong®).

Produzione e commercializzazione di: tecnopolimeri e copolimeri di PA6, PA6.6, PA6.10 e PA6.12 (Radilon®, Heramid®, Radiflam®, Torzen®), PC/ABS - ABS (Radiblend®), PBT e PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), polimeri di PA6 e PA6.6 rinforzati con fibre lunghe (Radistrong®).

CHINA

### Radici Chem (Shanghai) Co., Ltd.

China, Shanghai CN - 200235 - Room 1322, YunSun Tower, No. 2025 East Zhongshan Rd., Xuhui District Ph. +86 21 64389210 / 64389896 Fax +86 21 64389960 *e-mail: Info.radicichemshanghai@radicigroup.com www.radicigroup.com/chemicals* 

Sale of: PA6 and PA6.6 polymers (Radipol®), adipic acid, dicarboxylic acids mixture -AGS-, dicarboxylic acid esters (Radichem®). PA6 and PA6.6 textile fibres (Sale of: Radilon® - Raditeck® - Radifloor®).

**Commercializzazione di**: polimeri di PA6 e PA6.6 (Radipol®), acido adipico, miscela di acidi dicarbossilici -AGS-, esteri di acidi dicarbossilici (Radichem®). Fibre tessili in PA6 e PA6.6 (Commercializzazione di: Radilon® - Raditeck® - Radifloor®).

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### Radici Plastics (Suzhou) Co., Ltd.

China, Suzhou Jiangsu Province - No. 49 Ping Sheng Road, SIP - CN 215126 Ph. +86 512 62952290 Fax +86 512 62952291 *e-mail: china.plastics@radicigroup.com www.radicigroup.com/plastics* 

Production and sale of: PA6, PA6.6, PA6.10 and PA6.12 engineering plastics and copolymers (Radilon®, Heramid®, Radiflam®, Torzen®), PC/ABS - ABS (Radiblend®), PBT and PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), long-fibre reinforced PA6 and PA6.6 (Radistrong®).

Produzione e commercializzazione di: tecnopolimeri e copolimeri di PA6, PA6.6, PA6.10 e PA6.12 (Radilon®, Heramid®, Radiflam®, Torzen®), PC/ABS - ABS (Radiblend®), PBT e PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), polimeri di PA6 e PA6.6 rinforzati con fibre lunghe (Radistrong®).

### Radici Plastics (Suzhou) Co., Ltd.

China, Shanghai CN - 200040 - PR China - Shanghai office: Suite 319, Apollo Building, 1440 Yan An Road (M), Jing'an District Ph. +86 2161031709 www.radicigroup.com/plastics

Sale of: PA6, PA6.6, PA6.10 and PA6.12 engineering plastics and copolymers (Radilon®, Heramid®, Radiflam®, Torzen®), PC/ABS - ABS ( Radiblend®), PBT and PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), PP (Radilene®), long-fibre reinforced PA6 and PA6.6 (Radistrong®).

**Commercializzazione di**: tecnopolimeri e copolimeri di PA6, PA6.6, PA6.10 e PA6.12 (Radilon®, Heramid®, Radiflam®, Torzen®), PC/ABS - ABS (Radiblend®), PBT e PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), PP (Radilene®), polimeri di PA6 e PA6.6 rinforzati con fibre lunghe (Radistrong®).

### CZECH REPUBLIC

### Logit Sro

Czech, Republic Podborany CZ - 44101 - Hlubany, 119 Ph. +420 415 237911 Fax +420 415 237912 *e-mail: logit@radicigroup.com www.radicigroup.com/fibres* 

Production of: twisted, heat-set and air-entangled PA BCF carpet yarns (Radifloor®).

Produzione di: filati BCF per moquette in PA ritorti, interlacciati e termofissati (Radifloor®).

### FRANCE

### Radici Plastics France SA France, St. Priest F - 69800 - 65, Rue du Dauphiné Ph. +33 4 72782090 Fax +33 4 72782089 *e-mail: france.plastics@radicigroup.com www.radicigroup.com/plastics*

Sale of: PA6, PA6.6, PA6.10 and PA6.12 engineering plastics and copolymers (Radilon®, Heramid®, Radiflam®, Torzen®), PBT and PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), long-fibre reinforced PA6 and PA6.6 (Radistrong®), PP (Radilene®).

Commercializzazione di: tecnopolimeri e copolimeri di PA6, PA6.6, PA6.10 e PA6.12 (Radilon®, Heramid®, Radiflam®, Torzen®), PBT e PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), polimeri di PA6, PA6.6 rinforzati con fibre lunghe (Radistrong®) e PP (Radilene®).

### GERMANY

### **Radici Chemiefaser GmbH**

Germany, Selbitz D - 95152 - Hofer Straße 23 Phone +49 92 80981030, Fax +49 92801513 *e-mail: fashion.fibres@radicigroup.com www.radicigroup.com/fibres www.radicigroup.com/dorix* 

Production and sale of: raw and solution-dyed PA6 staple fibre (dorix®) - with a wide variety of counts, from very fine (14 dtex) up to 300 dtex - and solution dyed PA6 filament yarn.

Produzione e commercializzazione di: fiocco di PA6 greggio e tinto in massa, (dorix®) disponibile in una vasta gamma di titoli, dai più fini, 14 dtex, sino a 300 dtex e filo di PA6 tinto in massa.

### **Radici Chemiefaser GmbH**

Germany, Vertriebsbuero Tamm D - 71732 - Hauptstrasse, 74 Phone +49 7141 200005, Fax +49 7141 200004 *e-mail: fashion.fibres@radicigroup.com www.radicigroup.com/fibres www.radicigroup.com/dorix* 

Commercializzazione di: fiocco PA6 greggio e tinto in massa (dorix®, Radilon®) per impiego pavimentazione tessile, tessile-tecnico, automotive ed abbigliamento. Filo di PA6 e PA6.6 per settori testurizzazione, maglieria, calzetteria, nastri e tessitura (Radilon®) ad impiego tessile-abbigliamento, tessile-tecnico ed automotive. Filo di poliestere microbava, multibava, speciali in versione testurizzata, liscia, greggio e tinto per impiego tessile-abbigliamento, tessile-tecnico, arredamento e settore automotive (Radyarn®).

Saleof:rawandsolution-dyedPA6staplefibre(dorix®,Radilon®) for textile flooring applications, automotive and apparel. PA6 and PA6.6 yarn for texturizing, circular and warp knitting, hosiery and socks, narrow fabrics and weaving (Radilon®) for apparel, technical textiles and the automotive sector. PET micro and multi filaments textured and flat, raw and dyed yarns for for apparel, technical textiles and the automotive sector (Radyarn®).

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### **Radici Chimica Deutschland GmbH**

Germany, Troglitz D - 06729 - Dr. Bergius Strasse, 6 Ph. +49 3441 8298122 Fax +49 3441 8298124 *e-mail: info.radicichimicatroeglitz@radicigroup.com www.radicigroup.com/chemicals* 

Production of: adipic and nitric acid, cyclohexanol/cyclohexanone mixture, dicarboxylic acids mixture -AGS-, dicarboxylic acid esters (Radichem®).

Produzione di: acido adipico e acido nitrico, miscela di cicloesanolo/cicloesanone, miscela di acidi dicarbossilici -AGS-, esteri di acidi dicarbossilici (Radichem®).

### **Radici Plastics GmbH**

Germany, Hamburg D - 20095 - Glockengiesserwall 2 Ph. +49 40 3095410 Fax +49 40 30954199 *e-mail: office\_hh@radicigroup.com www.radicigroup.com/plastics* 

Production and sale of: PA6, PA6.6, PA6.10 and PA6.12 engineering plastics and copolymers (Radilon®, Heramid®, Radiflam®, Torzen®), PBT and PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), long-fibre reinforced PA6 and PA6.6 (Radistrong®).

Produzione e commercializzazione di: tecnopolimeri e copolimeri di PA6, PA6.6, PA6.10 e PA6.12 (Radilon®, Heramid®, Radiflam®, Torzen®), PBT e PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), polimeri di PA6 e PA6.6 rinforzati con fibre lunghe (Radistrong®).

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### **Radici Plastics GmbH**

Germany, Lüneburg D - 21337 - Elso-Klöver-Strasse,10 Ph. +49 4131 95007/0 Fax +49 4131 95007/20 *e-mail: office\_hh@radicigroup.com* 

Production of: PA6, PA6.6, PA6.10 and PA6.12 engineering plastics and copolymers (Radilon®, Heramid®, Radiflam®, Torzen®), PBT and PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), long-fibre reinforced PA6 and PA6.6 (Radistrong®).

Produzione di: tecnopolimeri e copolimeri di PA6, PA6.6, PA6.10 e PA6.12 (Radilon®, Heramid®, Radiflam®, Torzen®), PBT e PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), polimeri di PA6 e PA6.6 rinforzati con fibre lunghe (Radistrong®).

### HUNGARY

### Lurotex KFT

Hungary Hunyadi Janos H - 33-9971 - P.F. 41 Szentgotthard Ph. +36 94 552650 Fax +39 36 94 380141 *e-mail: sales.lurotex@radicigroup.com* 

**Production of:** fabrics for outerwear and linings, PA6, PA6.6 and PET microfibres fabrics (Radici Tessuti®).

Produzione di: tessuti in microfibra di PA6, PA6.6, PET per abbigliamento e fodere (Radici Tessuti®).

INDIA

### Radici Plastics India Pvt. Ltd.

India, New Delhi IN - 110024 - C-5, 1st Floor, Amar Colony Market-Lajpat Nagar-IV Ph. +91 11 41638 170 *e-mail: info.plastics@radicigroup.com www.radicigroup.com/plastics* 

Production and sale of: PA6, PA6.6, PA6.10 and PA6.12 engineering plastics and copolymers (Radilon®, Heramid®, Radiflam®, Torzen®), PBT and PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), long-fibre reinforced PA6 and PA6.6 (Radistrong®).

Produzione e commercializzazione di: tecnopolimeri e copolimeri di PA6, PA6.6, PA6.10 e PA6.12 (Radilon®, Heramid®, Radiflam®, Torzen®), PBT e PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), polimeri di PA6 e PA6.6 rinforzati con fibre lunghe (Radistrong®). ITALY

### Noyfil SpA

Italý, Andalo Valtellino (SO) Via Orobie, 4 - IT - 23014 Ph. +39 0342 699111 Fax +39 0342 684073 *e-mail: petyarn.fibres@radicigroup.com www.radicigroup.com/fibres www.radicigroup.com/radyarn* 

**Production and sale of:** continuous polyester yarns, semi-dull and bright, flat, textured, sized beams for weaving and warp-knitting beams. Micro and multi filaments, high shrinkage, with trilobal and round sections. Special yarns: differentiated filaments counts, micro and multi filaments textured and flat, flame retardant yarns; air-jet textured and flat hollow fibres; textured and flat bi-component yarns. (Radyarn®).

Produzione e commercializzazione di: fili continui di poliestere semiopachi e lucidi, lisci e testurizzati, subbi incollati per tessitura e subbielli per indemagliabile. Filati microbava, multibava ad alto rientro, a sezione circolare e trilobata. Filati speciali: a bave differenziate, micro e multibava testurizzati e lisci, ignifughi; fibre cave testurizzate ad aria e lisce, filati bicomponenti testurizzati e lisci (Radyarn®).

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### Noyfil SpA

Italy, Chignolo d'Isola (BG) IT - 24040 - Via Verdi, 1 Ph. +39 035 905252 Fax +39 035 905112 *e-mail: petyarn.fibres@radicigroup.com www.radicigroup.com/fibres www.radicigroup.com/radyarn* 

**Production and sale of:** texturing, air-jet texturing (taslan), twisting, air-mingling and warping of polyester yarns raw white, dope and yarn dyed suitable for weaving and knitwear (Radyarn®). Post-consumer recycled PET yarns (r-Radyarn®).

Produzione e commercializzazione di: filo poliestere testurizzato, taslanizzato, ritorto, ordito greggio, tinto in massa e tinto in filo per tessitura e maglieria (Radyarn®). Filati di poliestere riciclato post consumer (r-Radyarn®).

### **Radici Chimica SpA**

Italy, Novara IT - 28100 - Via G. Fauser, 50 Ph. +39 0321 693111 Fax +39 0321 693201 *e-mail: info.radicichimicanovara@radicigroup.com www.radicigroup.com/chemicals* 

**Production of:** PA6.6, PA 6.10 and 6.12 polymers (Radipol®), adipic and nitric acid, hexamethylendiamine, 6.6 salt, dicarboxylic acids mixture -AGS-, dicarboxylic acid esters (Radichem®).

Produzione di: polimeri di PA6.6 (Radipol®), PA 6.10 e PA6.12 (Radipol®) acido adipico e acido nitrico, esametilendiammina, sale 6.6, miscela di acidi dicarbossilici -AGS-, esteri di acidi dicarbossilici (Radichem).

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### Radici Fil SpA

Italy, Casnigo (BG) IT - 24020 - Via Europa, 41 Ph. +39 035 736000 Fax +39 035 736350 *e-mail: flooring.fibres@radicigroup.com www.radicigroup.com/fibres* 

Production and sale of: PA6 polymers, PA BCF yarns for carpeting, raw, space dyed, solution dyed yarns at different affinities (Radifloor®). PA6.6 HTY yarns for technical uses (Raditeck®).

**Produzione e commercializzazione di**: polimeri di PA6, filati BCF di PA per moquette, filato greggio, space dyed, solution dyed in diverse affinità (Radifloor®). Filati PA6.6 ad alta tenacità per uso tecnico (Raditeck®).

### Radici Novacips SpA

Italy, Chignolo d'Isola (BG) IT - 24040 - Località Bedeschi, 20 Ph. +39 035 4991311 Fax +39 035 994386 *e-mail: italia.plastics@radicigroup.com www.radicigroup.com/plastics* 

Production and sale of: PA6, PA6.6, PA6.10 and PA6.12 engineering plastics and copolymers (Radilon®, Heramid®, Radiflam®, Torzen®), PBT and PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), long-fibre reinforced PA6 and PA6.6 (Radistrong®).

Produzione e commercializzazione di: tecnopolimeri e copolimeri di PA6, PA6.6, PA6.10 e PA6.12 (Radilon®, Heramid®, Radiflam®, Torzen®), PBT e PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), polimeri di PA6 e PA6.6 rinforzati con fibre lunghe (Radistrong®).

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### **Radici Novacips SpA**

Italy, Villa d'Ogna (BG) IT - 24020 - Via Provinciale, 1331 Ph. +39 0346 22453 Fax +39 0346 23730 *e-mail: italia.plastics@radicigroup.com www.radicigroup.com/plastics* 

Production and sale of: PA6, PA6.6, PA6.10 and PA6.12 engineering plastics and copolymers (Radilon®, Heramid®, Radiflam®, Torzen®), PBT and PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), long-fibre reinforced PA6 and PA6.6 (Radistrong®).

Produzione e commercializzazione di: tecnopolimeri e copolimeri di PA6, PA6.6, PA6.10 e PA6.12 (Radilon®, Heramid®, Radiflam®, Torzen®), PBT e PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), polimeri di PA6 e PA6.6 rinforzati con fibre lunghe (Radistrong®).

### **Tessiture Pietro Radici SpA**

Italy, Gandino (BG) - IT - 24020 - Via Ugo Foscolo, 152 Ph. +39 035 715911, Fax +39 035 715999 *e-mail: tessitureradici@radicigroup.com www.radicigroup.com/en/products/fibres-and-nw/dylar/company www.radicigroup.com/en/products/fibres-and-nw/radigreen/company* 

**Production and sale of:** Dylar® spun bonded non-woven fabrics for industrial applications, Radigreen® yarn for synthetic grass developed for outdoor and indoor playing fields and for landscaping.

**Produzione e commercializzazione di**: non tessuti Dylar® spun bonded per applicazioni industriali, produzione di filo Radigreen® per erba sintetica, studiato per campi sportivi esterni ed interni e per uso decorativo-landscape.

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### Radici Yarn SpA

Italy, Villa d'Ogna (BG) - IT - 24020 - Via Provinciale, 1125 Ph. +39 0346 89111, Fax +39 0346 23396 *e-mail: fashion.fibres@radicigroup.com www.radicigroup.com/fibres* 

**Production and sale of:** PA6 polymer and staple fibre, PA6 and PA6.6 (POY, FOY) yarn for apparel and technical applications-texturizing, circular and warp knitting, hosiery and socks, narrow fabrics and weaving (Radilon®).

**Produzione e commercializzazione di**: polimero e fiocco di PA6, filo di PA6 e PA6.6 (POY ed FOY) per impiego tessile-abbigliamento e settore tecnico-testurizzazione, maglieria, calzetteria, nastri e tessitura (Radilon®).

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### Radici Yarn SpA

Italy, Ardesio (BG) - IT - 24020 - Via Casa More, 12 Ph. +39 0346 34147, Fax +39 0346 33707 *e-mail: fashion.fibres@radicigroup.com www.radicigroup.com/fibres* 

**Production of:** warped PA6 and PA6.6 yarn for weaving and warp knitting (Radilon®).

**Produzione di**: filo di PA6 e PA6.6 ordito per tessitura e maglieria indemagliabile (Radilon®).

### MEXICO

### Radici Plastics Mexico S. de R.L. de C.V. Mexico, Ocotlán Jalisco MX - Av. Francisco Zarco 2688 C.P. 47810 - Col. Loma Bonita Ph. +52 392 923 2390 *e-mail: jorge.pinto@radicigroup.com*

www.radicigroup.com/plastics

Production and sale of: PA6, PA6.6, PA6.10 and PA6.12 engineering plastics and copolymers (Radilon®, Heramid®, Radiflam®, Torzen®), PC/ABS - ABS (Radiblend®), PC (Radilux®), PBT and PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), PP (Radilene®), long-fibre reinforced PA6 and PA6.6 (Radistrong®).

Produzione e commercializzazione di: tecnopolimeri e copolimeri di PA6, PA6.6, PA6.10 e PA6.12 (Radilon®, Heramid®, Radiflam®, Torzen®), PC/ABS - ABS (Radiblend®), PC (Radilux®), PBT e PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), PP (Radilene®), polimeri di PA6 e PA6.6 rinforzati con fibre lunghe (Radistrong®).

### ROMANIA

### S.C. Yarnea S.R.L.

Romania, Savinesti (NT) RO - 617410 - 5, Gheorghe Caranfil street Ph. +40 233 205 000 Fax +40 233 205 180 *e-mail: info.yarnea@radicigroup.com www.radicigroup.com/fibres* 

**Production of:** PA 6 and PA6.6 textured (DTY), FDY, twisted (textured and FDY), PA6 spinned (LOY), warped (LOY +FDY) textile yarns (Radilon®).

Produzione di: fili tessili di PA6 e PA6.6 testurizzati (DTY), FDY, ritorti (testurizzati e FDY). Fili di PA6 (LOY), orditi (LOY+FDY) (Radilon®).

### SPAIN

### **Radici Plastics Iberica SL**

Spain, Barcelona ES - 08029 - Avda. Josep Tarradellas, 130 5°1° Ph. +34 93 5416500 Fax +34 93 4943326 *e-mail: iberica.plastics@radicigroup.com www.radicigroup.com/plastics* 

Sale of: PA6, PA6.6, PA6.10 and PA6.12 engineering plastics and copolymers (Radilon®, Heramid®, Radiflam®, Torzen®), PBT and PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), long-fibre reinforced PA6 and PA6.6 (Radistrong®).

**Commercializzazione di**: tecnopolimeri e copolimeri di PA6, PA6.6, PA6.10 e PA6.12 (Radilon®, Heramid®, Radiflam®, Torzen®), PBT e PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), polimeri di PA6 e PA6.6 rinforzati con fibre lunghe (Radistrong®).

### SWITZERLAND

### Noyfil SA

Switzerland, Stabio CH - 6855 - Via Gaggiolo, 31 Ph. +41 91 6416141 Fax +41 91 6472806 *e-mail: petyarn.fibres@radicigroup.com www.radicigroup.com/starlight* 

Production and sale of: POY dope dyed or raw, drawn yarn dope dyed or raw; POY for stretch yarns (PBT); additional functionalities : UV resistant, antibacterial and flame retardant (Starlight®). Yarn from post-consumer recycled polymer (r-Starlight®) and bio-based polymer (CornLeaf - Ingeo<sup>™</sup>).

Produzione e commercializzazione di: POY tinto massa o greggio, filo stirato tinto massa o greggio, POY (PBT) per fili elasticizzati; funzionalità additivabili: resistenza agli UV, antibatterica e flame retardant (Starlight®).

Fili da poliestere riciclato post-consumo (r-Starlight®) e da biopolimeri (Cornleaf - Ingeo™).

### THE NETHERLANDS

### **Radici Plastics B.V**

The Netherlands, Born Verloren Van Themaatweg 9 - NL - 6121RG Ph. +49 40 3095410 Fax +49 40 30954199 *e-mail: rplnl.info@radicigroup.com www.radicigroup.com/plastics* 

Production of: PA6 and PA6.6 engineering plastics and copolymers (Radilon®, Radiflam®, Torzen®), PBT and PET (Raditer®), TPEs (Heraflex®), POM (Heraform®).

Produzione di: tecnopolimeri e copolimeri di PA6 e PA6.6 (Radilon®, Radiflam®, Torzen®), PBT e PET (Raditer®), TPE (Heraflex®), POM (Heraform®).

### UNITED KINGDOM

### Radici Plastics UK Ltd.

United Kingdom, London UK - NW3 1 PR - High Hill House, 6a Hampstead High Street Ph. +44 20 74314554 Fax +44 20 74314544 *e-mail: uk.plastics@radicigroup.com www.radicigroup.com/plastics* 

Sale of: PA6, PA6.6, PA6.10 and PA6.12 engineering plastics and copolymers (Radilon®, Heramid®, Radiflam®, Torzen®), PBT and PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), long-fibre reinforced PA6 and PA6.6 (Radistrong®).

**Commercializzazione di**: tecnopolimeri e copolimeri di PA6, PA6.6, PA6.10 e PA 6.12 (Radilon®, Heramid®, Radiflam®, Torzen®), PBT e PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), polimeri di PA6 e PA6.6 rinforzati con fibre lunghe (Radistrong®). USA

### Radici Plastics USA Inc.

USA, Wadsworth OH - 960 Seville Road - 44281/0179 Ph. +1 330 336 7611 Fax +1 330 336 2143 *e-mail: usa.plastics@radicigroup.com www.radicigroup.com/plastics* 

Production and sale of: PA6, PA6.6, PA6.10 and PA6.12 engineering plastics and copolymers (Radilon®, Heramid®, Radiflam®, Torzen®), PC/ABS - ABS (Radiblend®), PC (Radilux®), PBT and PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), PP (Radilene®), long-fibre reinforced PA6 and PA6.6 (Radistrong®).

Produzione e commercializzazione di: tecnopolimeri e copolimeri di PA6, PA6.6, PA6.10 e PA6.12 (Radilon®, Heramid®, Radiflam®, Torzen®), PC/ABS - ABS (Radiblend®), PC (Radilux®), PBT e PET (Raditer®), TPEs (Heraflex®), POM (Heraform®), PP (Radilene®), polimeri di PA6 e PA6.6 rinforzati con fibre lunghe (Radistrong®).

### HOLDING COMPANIES

RadiciFin SAPA Via Ugo Foscolo, 152 IT - 24024 Gandino (BG) Phone +39 035 715411, Fax +39 035 715477 *e-mail: info@radicigroup.com www.radicigroup.com - www.radici.com* 

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Radici Partecipazioni SpA Via Ugo Foscolo, 152 IT - 24024 Gandino (BG) Phone +39 035 715411, Fax +39 035 715477 *e-mail: info@radicigroup.com www.radicigroup.com* 

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### Radici Partecipazioni SpA

Via Ca' Antonelli, 55 IT - 24024 Gandino (BG) Phone +39 035 715411, Fax +39 035 715477 *e-mail: info@radicigroup.com www.radicigroup.com* 

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### **Radici Immobiliare SpA**

Via Ugo Foscolo, 152 IT - 24024 Gandino (BG) Phone +39 035 715411, Fax +39 035 715477 *www.radicigroup.com* 

### S.E.R. SpA - Società Elettrica Radici SpA

Via Ugo Foscolo, 152 IT - 24024 Gandino (BG) Phone +39 035 715411 Fax +39 035 715477 *www.radici.com* 

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Itema SpA Via Cav. Gianni Radici, 4 IT - 24020 Colzate (BG) Phone + 39 035 7282111 Fax + 39 035 740505 www.itemagroup.com

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### GeoEnergie SpA Via Ca' Antonelli, 55 IT - 24024 Gandino (BG) Phone +39 035 715811, Fax +39 035 715812 e-mail: geoenergie@geogreen.it www.geogreen.it

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### Hotel Excelsior S. Marco

P.zza Repubblica, 6 IT - 24122 Bergamo Phone +39 035 366111, Fax +39 035 223201 *e-mail: info@hotelsanmarco.com www.hotelsanmarco.com* 

