# RADICIGROUP FOR SUSTAINABILITY REPORT KEY ELEMENTS 2015 English





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CHAPTER 7

## 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, production sites and communities.

IN 2015

*Radici Partecipazioni SpA* SpA was awarded **UNI EN ISO 9001:2015** certification for its quality control system.

## **APPLICATIONS**

## PRODUCTS FOR THE HOME SECTOR Yarns for curtains, uphols wall-to-wall carpets. Engine

Yarns for curtains, upholstery, carpets and wall-to-wall carpets. Engineering plastics for household appliances and the electrical/electronic sector. Nonwovens for roofing, filtration, furnishings and disposable table tops.

## PRODUCTS FOR APPAREL



Yarns for clothing, lingerie, beachwear and sportswear. Nonwovens for protective disposable clothing.

## PRODUCTS FOR THE AUTOMOTIVE SECTOR



Engineering plastics for car interiors and engine components. Yarns for car interiors and airbags. Nonwovens for headliners, seatings and airbag covers.

## PRODUCTS FOR THE INDUSTRIAL SECTOR



Yarns and engineering plastics for special applications in the industrial sector.

## PRODUCTS FOR THE SPORTS SECTOR



Yarns for sportswear. Yarns for sports fields, recreational and domestic indoor and outdoor applications.

# RadiciGroup for Sustainability Report - Key elements RadiciGroup stakeholder engagement





Data source: RADICIGROUP SUSTAINABILITY REPORT 2015 - www.radicigroup.com

# RadiciGroup for Sustainability Report - Key elements Holding company certification according to the ISO 9001:2015 standard





# RadiciGroup for Sustainability Report - Key elements Working for a sustainable supply chain





Data source: RADICIGROUP SUSTAINABILITY REPORT 2015 - www.radicigroup.com

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**TOTAL CONSUMPTION OF FOSSIL SOURCE PRIMARY ENERGY IN RELATION TO PRODUCT QUANTITIES** [G4-EN3 INDICATOR]



# RadiciGroup for Sustainability Report - Key elements The environmental performance of RadiciGroup







390.696



## INDEX OF TOTAL DIRECT AND INDIRECT GREENHOUSE GAS EMISSIONS IN RELATION TO PRODUCT QUANTITIES



**3-YEAR PERIOD 2013-2015** 

-21.6% TOTAL GREENHOUSE GAS EMISSIONS

## QUALITY OF EMISSIONS

[G4-EN21 INDICATOR]

EN21		2013	2014	2015
t	TOTLE	459	240	181
t	NOx	312	207	152
t	SOx	0	0	0
t	POP	0	0	0
t	VOC	11	12	9
t	HAP	109	0	0
t	STACK & FUGITIVE	0	0	0
t	PM	9	5	8
t	OTHER ATMOSPHERIC EMISSIONS	18	16	12

#### - 3-YEAR PERIOD 2013-2015

-60.5% POLLUTANTS

# RadiciGroup for Sustainability Report - Key elements The environmental performance of RadiciGroup





## INDEX OF THE USE OF WATER RESOURCES IN RELATION TO PRODUCT QUANTITIES



## **QUALITY OF WASTE WATER** [G4-EN22 INDICATOR]

EN22	QUALITY OF WASTE WATER	2013	2014	2015
kg	COD [kg O2/year]	1,533,321	1,185,152	694,055
kg	Total Nitrogen [kg N/year]	995,990	1,096,000	780,132
kg	Suspended Solids [kg/year]	23,823	17,169	23,474
kg	Metals * *aluminium, chrome, iron, nickel, copper, vanadium, zinc	7,931	9,648	3,486

#### **3-YEAR PERIOD 2013-2015**

# 90%

OF WATER USED IS INTENDED FOR COOLING

STABLE CONSUMPTION AND WATER RECYCLING IN EVERY COMPANY

#### **3-YEAR PERIOD 2013-2015**

# CONTINUOUS IMPROVEMENT IN QUALITY OF WASTE WATER

#### RadiciGroup for Sustainability Report - Key elements RADIC The people of RadiciGroup CHAPTER 6 **STAFF TRAINING** [G4-LA 9 INDICATOR] 3-YEAR PERIOD 2013-2015 = HOURS HOURS/EMPLOYEES +91.0%2,967 17:4 18.0 50,000 HOURS OF TRAINING -TOTALE EMPLOYEES **WOMEN VS. 2013** 2015 16.6 15.9 15 +12.8% 15.5 40,000 4.5 **HOURS OF TRAINING -**13.5 **MEN VS. 2013** 2,156 30,000 MEN 10 2015 101 20,000 7.6 Overall total hours of training 811 10,000 5 Hours of training per person WOMEN 2015 Hours of training - men 2014 2015 , 11<sup>7</sup> 2013 נור 0 Hours of training - women YFAR

Data source: RADICIGROUP SUSTAINABILITY REPORT 2015 - www.radicigroup.com

RadiciGroup for Sustainability Report - Key elements **Product sustainability** 



CHAPTER 7

## **OUR PRODUCTS WITH REDUCED ENVIRONMENTAL IMPACT**

## 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 and textile yarns dorix<sup>®</sup> PX: bio-based staple fibre Radifloor® PX: bio-based BCF yarn CornLeaf®: Ingeo<sup>™</sup> polylactic acid (PLA) yarn

## 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

## MANUFACTURED USING CLEAN ENERGY



Radipol®: PA6, PA6.6 e PA6.10 polymers Radilon®: PA6 e PA6.6 engineering plastics Heramid<sup>®</sup>: 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 varn

## MANUFACTURED USING RECYCLED RAW MATERIALS



**Heramid**<sup>®</sup>: PA6 and PA6.6 engineering plastics r-Starlight®: polyester textile yarn r-Radyarn®: polyester textile yarn