



The premier Industrial PES Yarn Producer in Europe



MINING



RENEWABLE ENERGIES



CERAMICS



AGRO-FOOD



Innovation as our
business motivation



1.800 M€



4.000 Employees



Spanish Location



Private Capital



Family Ownership



PLASTIC POLYMERS



SYNTHETIC FIBRES



REAL ESTATE DEVELOPMENT



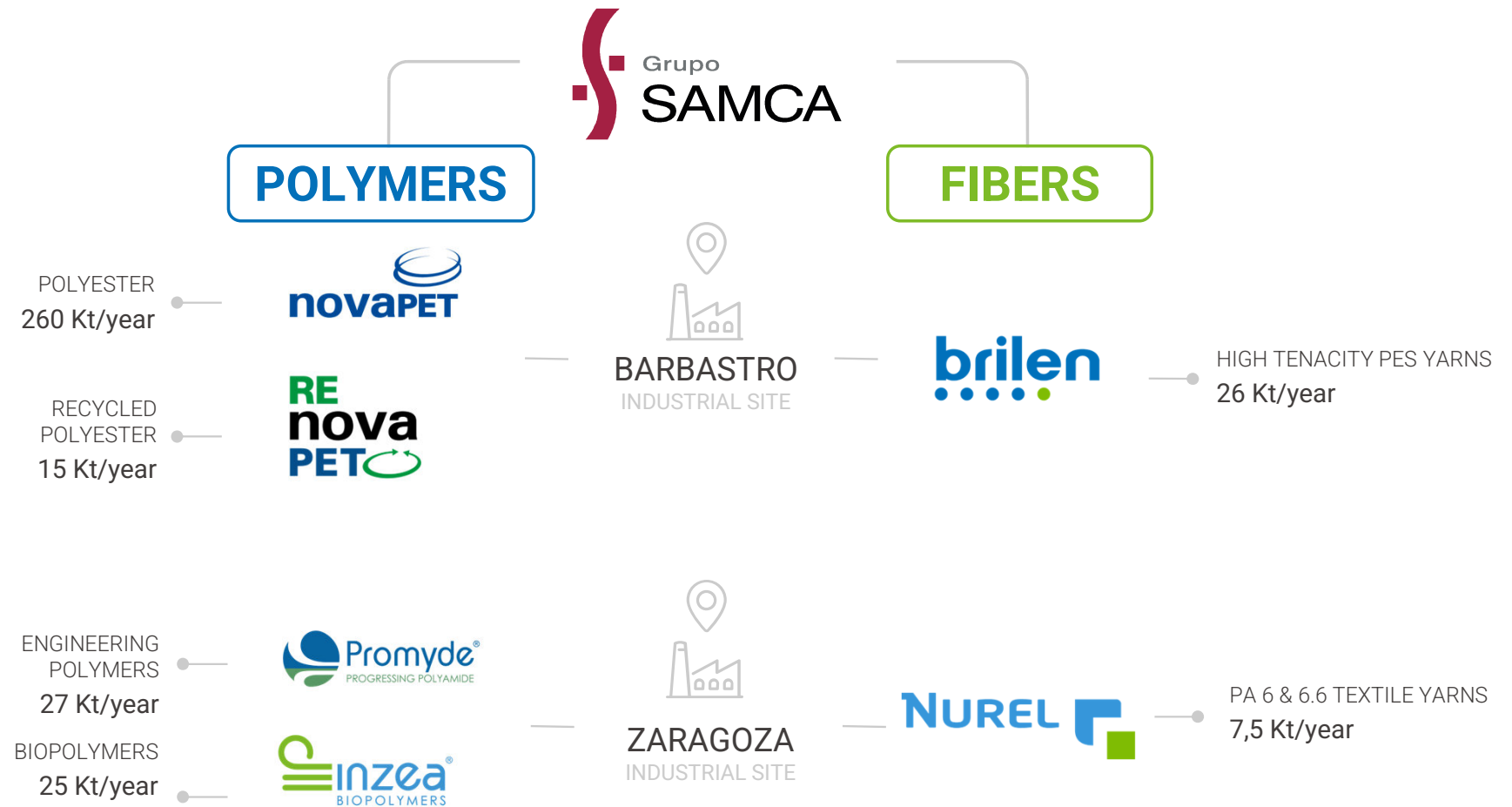
LOGISTIC INFRASTRUCTURES
INDUSTRIES



AGRO-CHEMICAL

POLYMER & FIBER DIVISION FIGURES

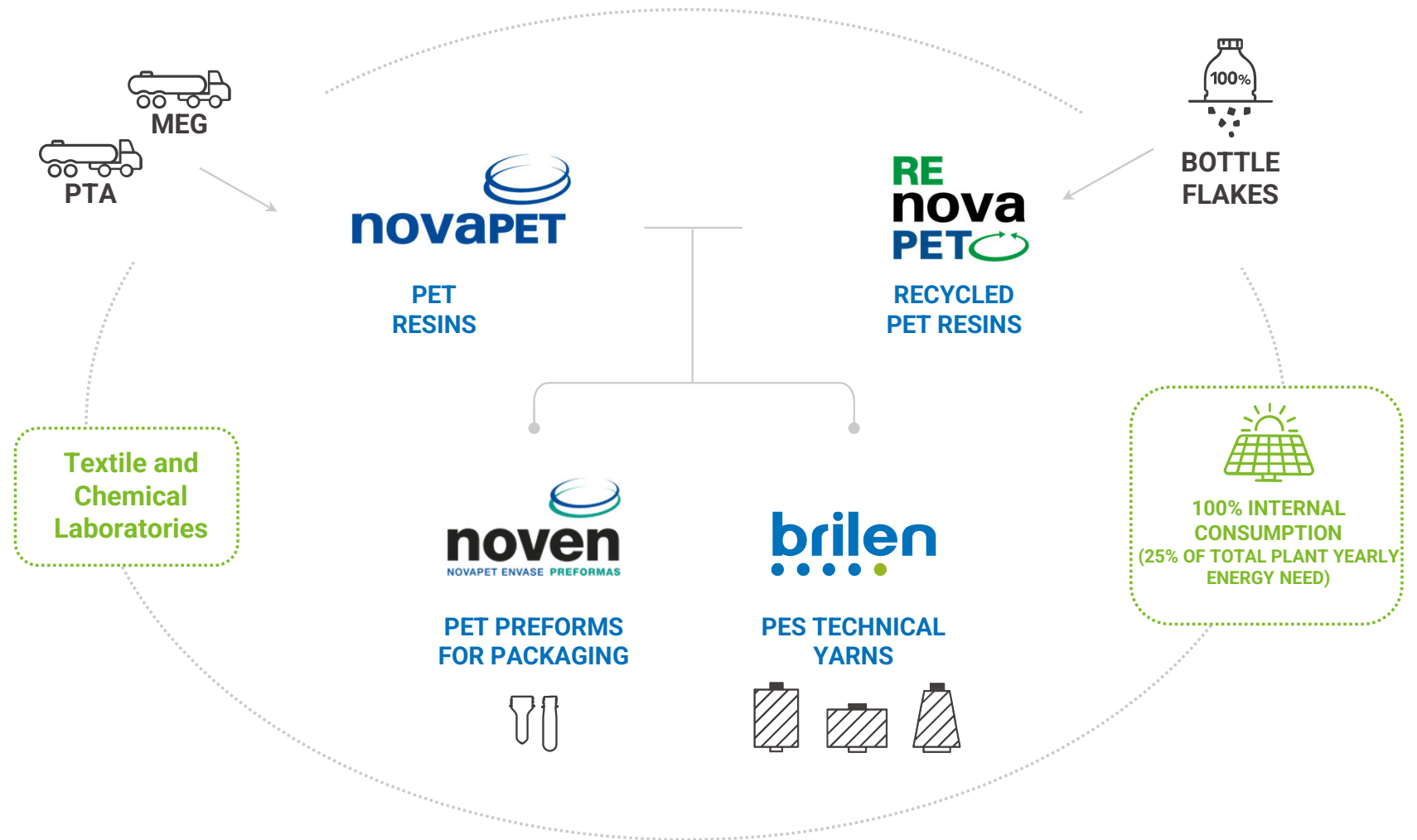
It represents around 35% of Grupo SAMCA turnover



brilen

novapET

BARBASTRO FACTORY. VERTICALLY INTEGRATED



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COMPANY
INTRODUCTION
AND GENERAL
FIGURES

GENERAL 2023 PORTFOLIO

TYPE DESCRIPTION	COMMERCIAL NAME	DTEX RANGE	TENACITY (cN/tex)	ELONGATION (%)	EASF (%)	SHA (%)
HT - LOW ELONGATION AND HIGH TENACITY	GLE	140 - 9900	78 - 84	11.0 – 13.0	4.0 - 5.0	8.0
HT - LOW ELONGATION AND MARINE FINISH ADITIVE	DST ® MARINO	2200-6600	82.0	12.5 – 13.0	4.6 - 5.0	9.0
HT - HIGHEST STRENGTH	TBF	280 - 2200	86 – 89	10.0 – 11.5	3.9-4.5	9-10
HT - LOW ELONGATION AND HIGH SHA	GLS	450 - 1100	80 – 81	11.5 - 12.5	4.2 - 4.5	10.0
HT - MINIMUM ELONGATION	FHS	1100 - 3300	78 – 79	9.5 - 10.5	3.8 - 4.2	10.5
HT - HIGHEST SHRINKAGE	HSF	280 - 2200	76.0 – 78.5	10.5 - 12.5	4.2 – 4.5	14.0 - 14.5
HT - HIGH DPF FOR LOW ABRASION	SBX	550 - 1670	78 – 79	13.0	4.5	8.0
HT - HIGH TENACITY AND MEDIUM SHRINKAGE	NLS	220 - 4400	77 – 82	14.0 – 15.0	6.0 – 7.0	4.0 – 5.0
HT - HIGH TENACITY AND LOW SHRINKAGE	NLR	220 - 4400	75 – 77	18.0 – 19.0	9.0	2.5
LS - LOW SHRINKAGE	VLS	140 - 4400	70 – 72	20.0 – 25.0	13.5 – 15.0	1.6
LS - ULTRALOW SHRINKAGE	VLR	550 - 3300	71 – 72	26.0	16.0	1.0
LS - LOW SHRINKAGE LOW ELONGATION	VLP	1100 - 2200	74.0	19.5	11.5	1.9
LS - LOW SHRINKAGE AND HIGHEST TENACITY	VLT	1100 - 2200	76.0	21.0	12.0	1.6

SPECIALTIES AND CUSTOMIZED SPOOL DIMENSION

SPECIALTIES

LOWICK FLUOR FREE

R - PET POLYMER 100% POST CONSUMER BOTTLES

SPUN DYED COLOUR / OPTICAL WHITE

FOOD CONTACT REGULATION

FLAME RETARDANT

MARINE FINISH

UV PROTECTION

POLYPROPYLENE based on customer projects

POLYAMIDE 6 HT based on customer projects

CONVERSION SERVICES

TWISTING

From 40 to 150 turns; S/Z twisting direction

REWINDING AND PLYING

Customized spools format (dimensions and materials)
Cylindrical, cheese, cones; from 1.5kg to 18kg / unit

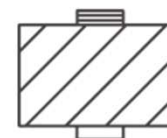
TEXTURIZING

Outsourced

Any special customer requirement could be considered



CYLINDRICAL
TUBE



CHEESE



CONE

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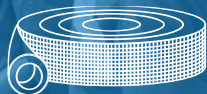
PVC COATED WOVEN FABRICS



OFFSHORE MOORING ROPES



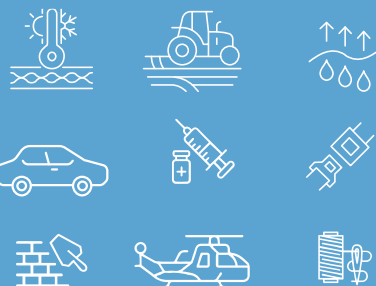
KNITTING HOSES



WOVEN HOSES

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**Our yarns are
present in
diversified markets
and applications,
such as:**



**OTHER TECHNICAL
TEXTILE SOLUTIONS**

(isolation, military, medical,
pipes repairment, sewing thread...)



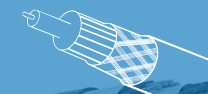
NARROW FABRICS



GEOTEXTILES AND GEOGRIDS



ROPES FOR MARINE



BRAIDS FOR CABLES

STRENGTHS

Solid financial group with a clear industrial vocation

Expertised staff on PES spinning process

Last generation spinning lines from the two main leaders worldwide: TMT & BARMAG

Pilot polymer plants and **Pilot spinning** plant

Fully equipped chemical and textile **laboratories**

Taking part in **European project** within Horizon Europe: the Framework Programme **for Research and Innovation (2021-2027)**

Continuous technical update due to our active participation on sector forums:



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NOVAPET

CERTIFICATIONS ON PRODUCT AND MANAGEMENT SYSTEM



Quality
ISO 9001 Certification



Silver medal
by Ecovadis Sustainability Rating



ISO 14001 **Environment Management system**



Post-consumer recycled yarn by GRS



ISO 50001 **Energy efficiency Management system**



Yarn type approval for off-shore mooring ropes



Food Safety
FSC 22000 Certification



Absence of harmful substances
Standard 100 by OEKO-TEX product Certification

COMPANY SUSTAINABLE COMMITMENT

SUSTAINABLE DEVELOPMENT

The objective of **NUREL & BRILEN** is to achieve a sustainable economic development, responsible with our environment.

Our operational centers are certified according to : **ISO-14.001 and ISO-50.001**

BRILEN TECH has achieved **SILVER MEDAL** by **Evovadis Sustainability Rating**



LIFE CYCLE ANALYSIS

We are involved in the analysis of the door-to-door impacts of our products carrying life cycle assessments by using SimaPro technology.

These **LCA** allow to compare the environmental impacts of similar products and processes.



RECYCLED CONTENT & MASS BALANCE CERTIFICATIONS

NUREL has recently achieved ISCC Plus mass balance certification, involving all our Production conversion units.

This new accreditation Will allow us to use new sustainable feedstocks and to offer new circular alternatives to our markets.

BRILEN will follow this working line in the next months.



RENEWABLE ENERGY

SGS certified that 20,89% of the energy used in Brilen production center comes from renewable resources



INDUSTRIAL SITE ACTIONS SUSTAINABILITY

Solar panels, wind turbines and batteries (2023-24)



NUREL

Solar panels with a total power installed: 11,85 MWp
93.000 m2 solar panels
8.190 tons CO2 emissions reduction

Battery Energy Storage System 5 MWh (2023)



BRILEN

Solar panels with a total power installed 17,2 MWp (21,7 MWp 2024)
105.000 m2 solar panels
15.000 tons CO2 emissions reduction

Battery Energy Storage System 10 MWh (2023)

4 wind turbines 20 MWh (in study for 2024)

INDUSTRIAL SITE ACTIONS SUSTAINABILITY

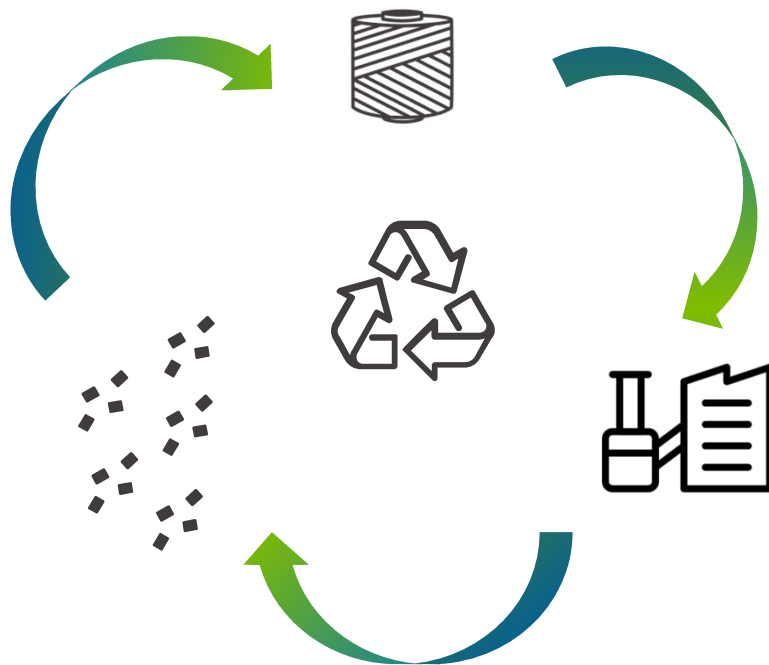
Post-consumer R-PET new factory (2023). RENOVAPET

- Capacity: 15.000 t per year
- Feeding material: post consumer bottle flakes
- Technology: Vacunite of Erema
- Vertical integration
- GRS certification (within 2023)



INDUSTRIAL SITE ACTIONS SUSTAINABILITY

Post-industrial recycling plant (E2024)



- Capacity: 1200 t (under study)
- Feeding material: post-industrial waste of HT yarn
- Technology: under study (trials on going)
- GRS certificate target
- Carbon footprint reduction



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THANK YOU