



Driving High-Performance
Innovation with Recycled
Compounds

Appliances

Who We Are

Driving Sustainability & Innovation in Appliances and Electronics

REXELIAN is a **GCR group** Company, specialized in the development and production of **high-performance recycled plastic compounds**. With over **two decades of experience in recycling**, we leverage our extensive knowledge to innovate recycling compounds that offer top engineering solutions for Brand Owners and Injection Partners looking for sustainable materials.

By innovating with high-performance recycled compounds, we significantly **reduce carbon footprints** and reliance on virgin plastics. We tailor material properties to **meet the specific performance demands of each application**



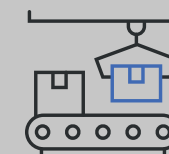
 GCR group strong network and operations across Europe



Headquarters
Sant Cugat
Barcelona (Spain)



Production facilities
2 Production plants
La Bisbal del Penedès
Castellet i La Gornal



GCR group production capacity
+500.000 mT/y
Rexelian planned capacity
+50.000 mT/y



Innovation Hub
Industrial Scale Pilot Plant
50+ specialists
Advanced Lab technology

Key Trends in Appliances & E&E

At REXELIAN, we tackle the challenges in the appliances and electronics markets by delivering innovative recycled compound solutions.



Sustainability

- Regulations drive adoption of sustainable materials in manufacturing.
- Recycled compounds reduce reliance on virgin plastics, lowering CO₂ emissions and plastic waste.
- RAEE (2012/19/EU) Regulation promotes mechanical recycling to advance circularity.



Electrification & Connectivity

- Intelligent appliances integrate seamlessly with smart home ecosystems, enabling remote control and enhanced interoperability.
- Optimized resource usage during appliance cycles ensures compliance with environmental standards.



Lightweighting

- Demand for lighter components drives the use of optimized recycled PP compounds, reducing transport emissions and material costs.



Cost-Effectiveness

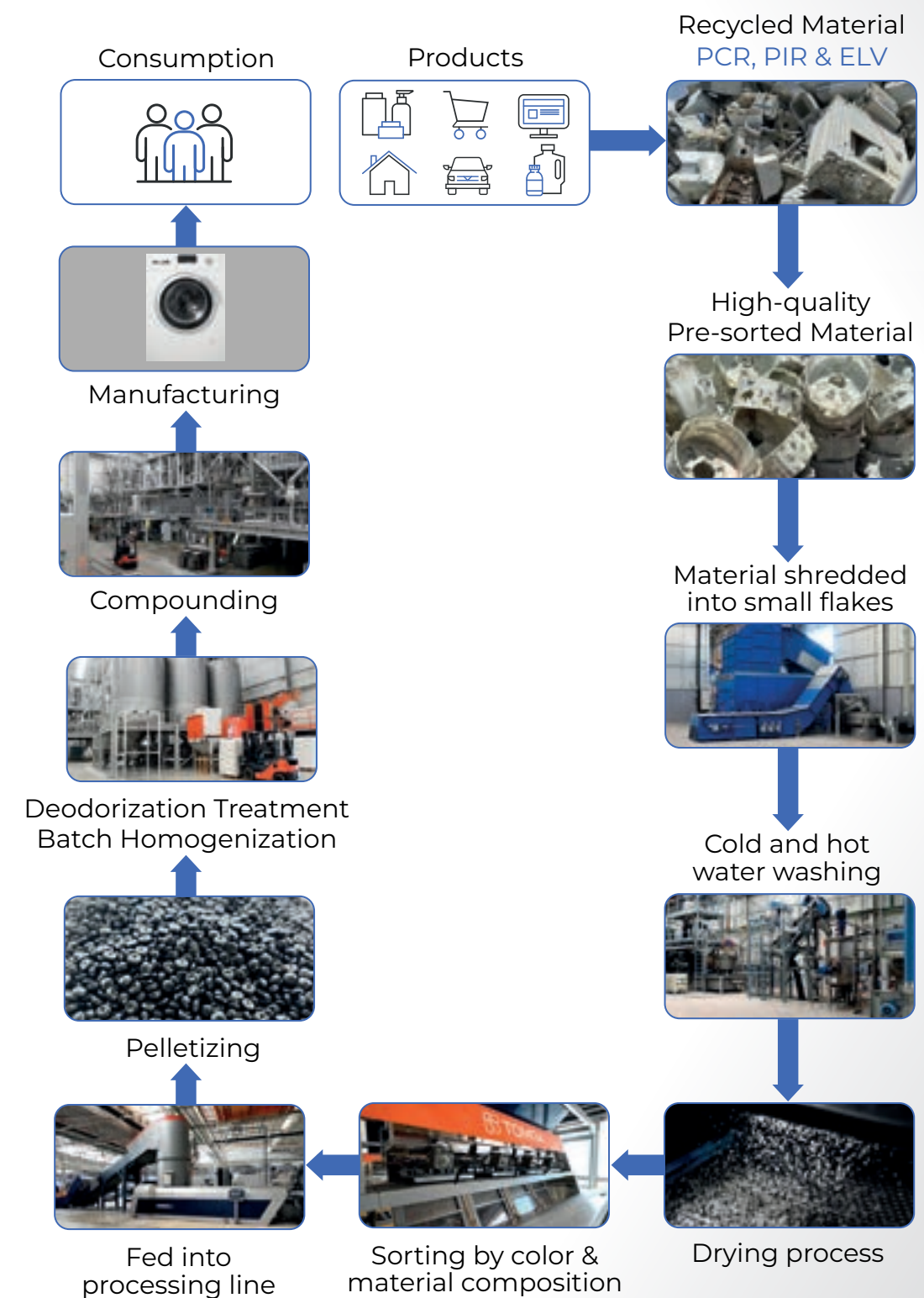
- Innovative materials improve energy efficiency, lower cycle times, and replace engineering plastics cost-effectively.



Value Chain Integration

- Increasing mergers among brands and injection companies enhance global supply chain efficiency.
- Expanding capabilities of Tiers ensure seamless back-integration.

High-performance Mechanical Recycling Process



Solutions for Appliances & E&E Applications

REXELIAN's recycled compounds are engineered to deliver lightweight, durable solutions that reduce carbon footprint and replace metal. They enhance efficiency, sustainability, and product performance without compromising quality or safety.

Small Appliances



- Coffee Machines
- Hair Dryers
- Microwaves
- Toasters
- Vacuum Cleaners
- Ventilators
- Water Kettles

Big Appliances



- Air Conditioners
- Dishwashers
- Dryers
- Fridges
- Washing Machines
- White Goods

E&E Applications



- Casing and Structural Components
- Connectors and Plugs
- Cooling Systems
- Light Housing
- Sensors

Note: All E&E products are under development.

Small Appliances & Big Appliances



Rexelian PP/PE (Homo)
(50% recycled compound)
Small appliances parts

Rexelian PPT40
(50% recycled compound)
Coffee Machine parts, Big parts



Rexelian PPT20
(50% recycled compound)
Washing machine compartment parts

Rexelian PPT40
(50% recycled compound)
Washing machine drum



Rexelian PPT20
(50% recycled compound)
Dishwasher parts

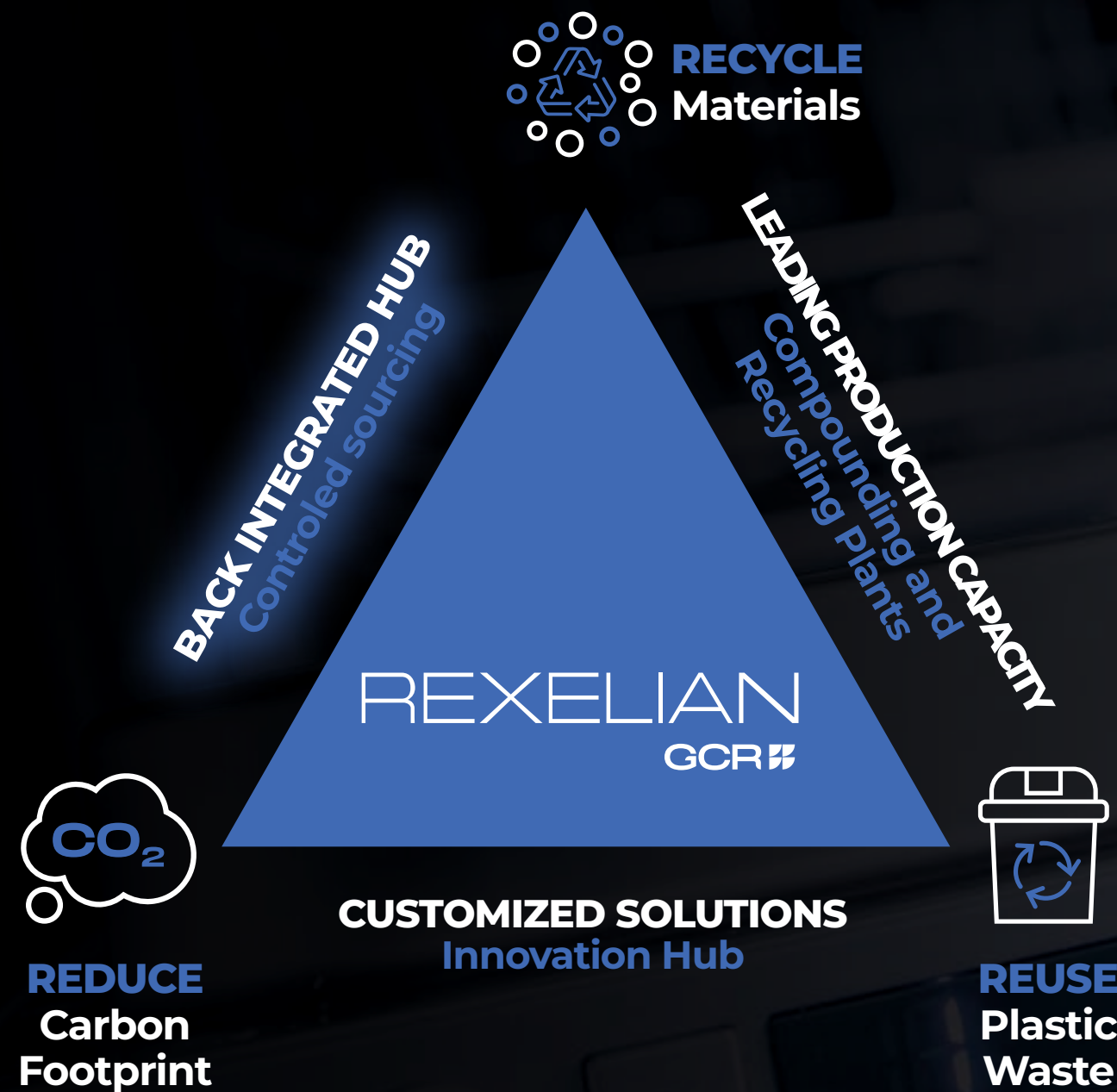
Rexelian PPT40
(50% recycled compound)
Dishwasher base

Contact us at:
info@rexelian.com
to explore more solutions

Why Choosing Rexelian?

High-Quality Recycled Compounds & Top performance and efficient solutions

Your Trusted Partner for Recycled Compounds



Leading Production Capacity in Europe

One of the largest production capacities in Europe, ensuring we meet growing market demands

Back-Integrated Sourcing

Reliable and consistent supply through vertical integration, ensuring material availability and controlled sourcing

Sustainable Innovation & Technology

Over 20 years of recycling expertise with state-of-the-art technology delivering high-performance sustainable solutions

Top-performing recycled compounds engineered for today's appliances and electronics market

Certifications



Management
System
ISO 9001:2015
ISO 14001:2015
www.certipedia.com
9105057179



Product Carbon
Footprint
Regular
Surveillance
www.certipedia.com
9105057179



ISO 9001

Quality
Management
System

ISO 14001

Environmental
Management
System

ISO 14067

Carbon
Footprint

ISCC Plus

International
Society Carbon
Certification



RecyClass

Recycling
Process for
pre-consumer
& post-consumer



Operation

Clean Sweep

Zero Pellet Loss



REXELIAN
GCR

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