



Antolin's approach to Sustainable Materials – Use of wastes for obtaining new materials with high environmental benefits.

Asamblea General de MATERPLAT 2023



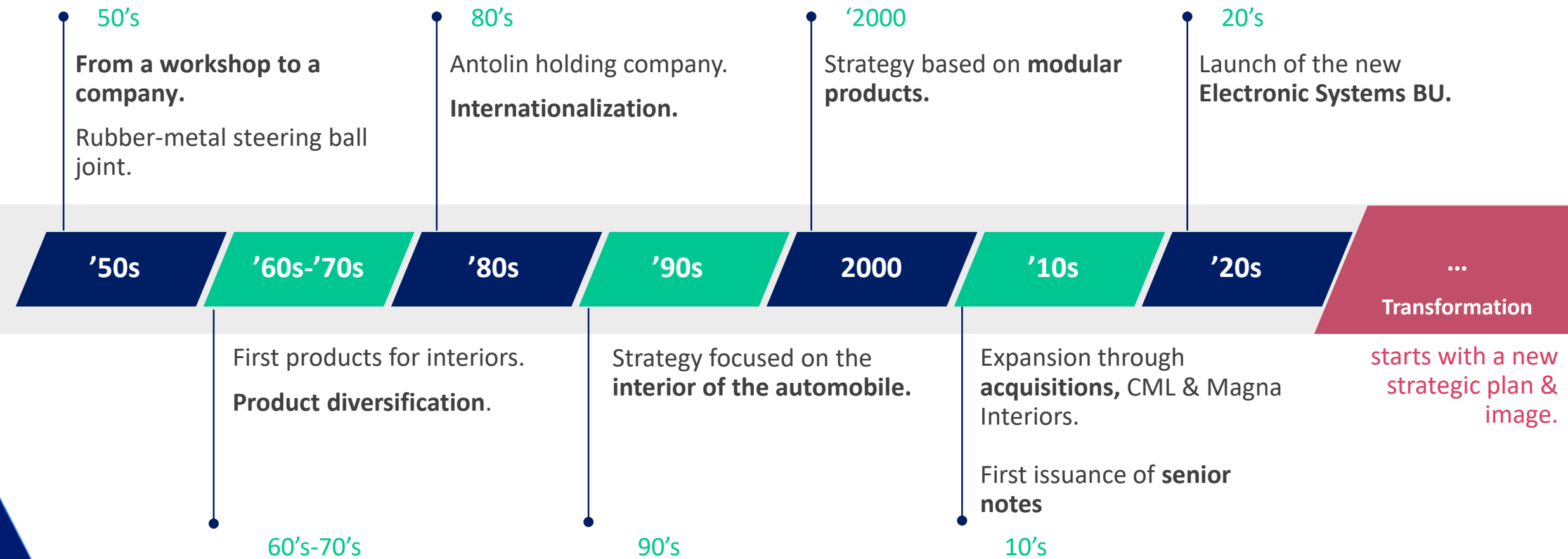
01

Introduction to Antolin

WITH A STRONG FOUNDATION



Our History



“ Antolin is a family-run multinational committed to innovation and quality from the very start

”

Ernesto Antolin
Chairman

DIFFERENT STRATEGIES FOR A
ONE AND ONLY GOAL,
TO BE **THE SUPPLIER OF REFERENCE**

Our Company Today

GLOBAL & COMMITTED



PRESENCE

Around
130

production plants JIT
centers

With
27

technical commercial
offices

Present in
25
countries



MARKET

About
600

models equipped on
the market

Supplying around
100

brands
worldwide

Present in
9/10

best-selling cars in
the world



PEOPLE

A team of more than
24,000

professionals

Over
7%

professionals in technological
positions

38%
40%

Women
of the Board
of Directors



OUR CONTRIBUTION

-36%

CO₂ Emissions
(scope 1&2 since 2019)

Towards 0 accidents
-10.8%

Frequency Index
vs. 2021

38€

Social contribution by
employee



AGENDA
2030

Our Transversal Drivers



SUSTAINABILITY

The **commitment** to sustainable development permeates the entire organization.

The company assumes its **responsibility** for building a better future.

Our business model combines the search for profitability with the ability to connect with the demands and needs of its **stakeholders**.



INNOVATION

In the transformation plan, it plays a greater role as a lever to continue researching & delivering **disruptive technologies**.

The department has evolved from the exploration and evaluation of new medium and long-term solutions to the pre-development, validation, and pre-sale of short-term solutions.



DIGITIZATION

Companies and production centers will be **smart environments** where repetitive processes are automated, advances in remote management are made, and decision-making is **digitalized**.

In addition to improving management & energy efficiency, this model makes possible to focus efforts on high **added value activity**.



BRAND

As part of the transformation, a **new brand** and **corporate identity** has been developed.

The new brand represents the link between the company's **history** and its aim of leading the **future** of mobility.

Sustainable Business Strategy

OUR GOAL IS TO BE A HIGHLY SUSTAINABLE AND COMPETITIVE SUPPLIER WITHIN THE AUTO INTERIOR

WE ARE COMMITTED TO
A SUSTAINABLE
BUSINESS MODEL THAT
CREATES VALUE FOR
OUR STAKEHOLDERS



AGENDA
2030

SUSTAINABILITY: AMBITION. ACTION. ANTOLIN



CARBON NEUTRAL COMPANY

CO₂ Neutral on OPERATIONS (scope 1 & 2) by 2040. -75% CO₂ EMISSIONS by 2028 (vs. 2019)

SBTi targets validation by 2024 (committed in 2022).

CO₂ Neutral on Supply Chain by 2050

CIRCULAR BUSINESS

Eco-design Life Cycle Analysis (LCA) of the main products.

40% Sustainable Plastic raw material by 2030 (20% by 2025 vs 2022).

-10% Non-hazardous waste by 2028 (vs 2019).



0 ACCIDENTS. A SAFE & HEALTHY WORK ENVIRONMENT

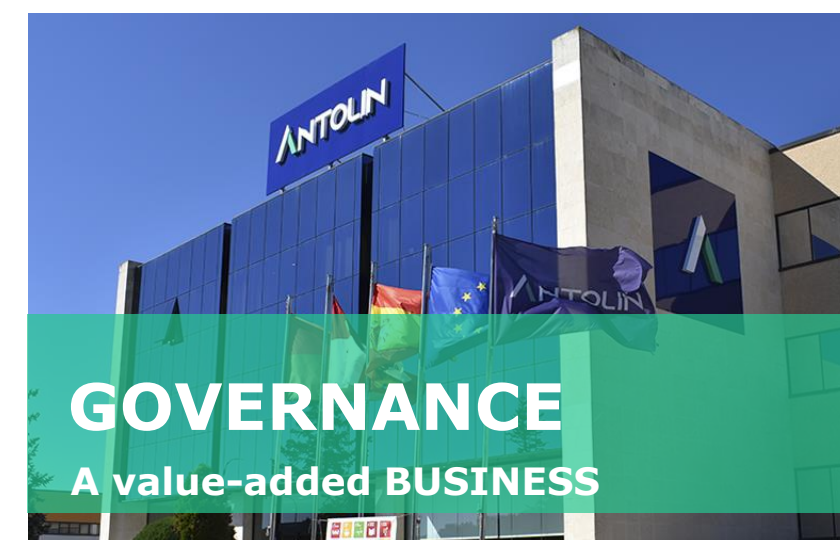
<2.30 Reduction of the global frequency index by 2030 (vs. 2019) <2.70 by 2025.

DIVERSITY, EQUITY AND INCLUSION APPLIED TO TALENT

15% reduction of gender pay gap by 2025 vs 2021 (vs. 2021: 3,55%)

DRIVER OF SOCIETY DEVELOPMENT

Promotion of initiatives that contribute to the future development of society.



REFERENCE IN ETHICS, INTEGRITY & COMPLIANCE

100% confirmed ESG violations solved/complaints by 2025.

100% of workforce trained in Code of Ethics by 2025.

A RESPONSIBLE SUPPLY CHAIN

- 96% adherence to Supplier Code of Conduct by 2026.
- 90% Direct Supply chain, assessed for ESG by 2026.
- 94% adherence to CMRT by 2026.

Focused in PLANET

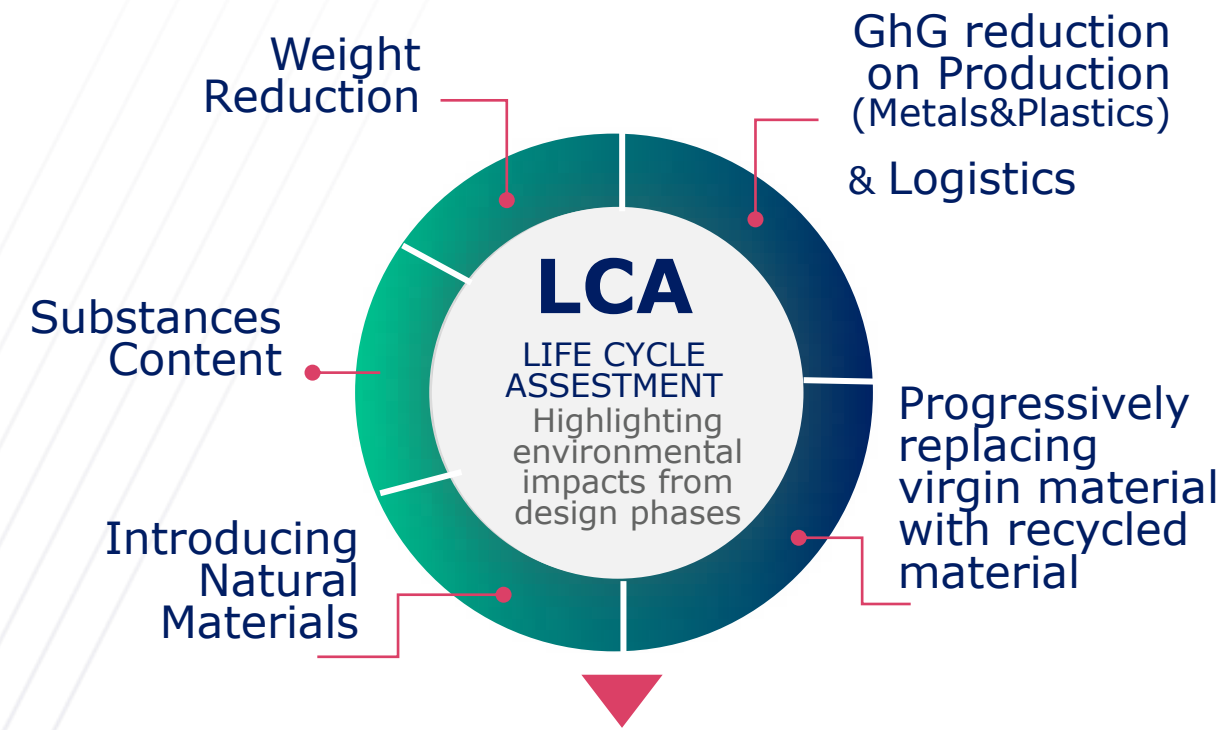
A COMMON GOAL



CO₂Neutral
▶ on operations scope 1 & 2 **by 2040**

70% electricity from renewable
▶ sources by 2028

CO₂ absorption projects
▶



OEMs Decarbonization targets alignment

CORPORATE
Carbon Footprint

PRODUCT
Carbon Footprint

**CARBON NET ZERO
TRAYECTORY**

Focuses on
Greenhouse Gas Emissions (GhG)
from global activities considering
upstream and downstream emissions



**IMPROVING CARBON IMPACTS
IN PRODUCT LIFE**

Focuses on
environmental impacts of a product
from raw material extraction to end of life

Focused in PLANET

CARBON NEUTRAL company

CO₂ Neutral on operations (scope 1 & 2) by 2040



CO₂ Neutral on operations scope 1 & 2 by 2040

Consume LESS

Improved energy efficiency in facilities, production and auxiliary processes

Digitalization. Industry 4.0 in TOP Energy consuming companies.

Facilities & equipment design. New acquisition and retrofitting of existing equipment, if possible.



70% electricity from renewable sources by 2028

Consume BETTER

Reduction of CO₂ emissions from electricity facilities consumption

100% renewable electricity (purchased) in TOP Energy consuming countries

Self-consumption by. on-site electricity generation.

Research for replacement of fossil fuels by carbon neutral fuels (long term).



CO₂ absorption projects

COMPENSATE

Carbon footprint reduction by CO₂ absorption projects (reforestation) with environmental & social purpose.

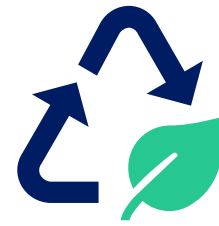
Reforestation with land use change (new forest on non-forest land).

Actions in burnt out forest areas to restore forest mass.

Contribution to social development and disadvantaged areas (e.g. local employment).

Focused in PLANET

A CIRCULAR BUSINESS



A management model
focused on **WASTE REDUCTION** towards to zero waste
making a **SUSTAINABLE USE OF RESOURCES**
incorporating **MATERIALS WITH A LOWER ENVIRONMENTAL IMPACT**



Eco-Design and Life Cycle Analysis:
a winning combination

LCA Life-Cycle Assessment on main supplied products

**Reduction of the environmental
impacts of products along its life
cycle**

Identification and quantify significant
hotspots to Antolin main products' climate
impact.

"Cradle to grave".

Eco-design. Decision-making tool for
identification of environmental
improvement areas.



Sustainable materials:
research and innovation

Monitoring and increasing the use of renewable materials

**40% Sustainable Plastic raw
material by 2030 according to the
RFQ's conditions (20% by 2025)**

**Monitoring and increasing sustainable
materials*** on components supplied must
be a key part for Antolin entire value
chain. As future step, suppliers will report
the amount of recycled content for the
specific components.

*Renewable materials (natural textiles, fabrics & fibers; green foam;
cellulose pulp; Disruptive Materials etc.) Recycled materials for interior
trim (mechanical and chemical recycling).



Sustainable use of resources:
Towards Zero waste

Gradual non-hazardous waste reduction on its way to zero

**-10% Non-hazardous waste by
2028**
(Base Year 2019)

Reduction of non-returnable packaging
allowing for the substitution of **single-
use packaging** for returnable packaging.

Lifetime waste product reduction on
non-hazardous waste.

Planet. People. Business

AMBITIONS FOR A RESPONSIBLE SUPPLY CHAIN

WE CREATE, MAINTAIN, AND CONSOLIDATE AN EFFICIENT SUPPLY CHAIN, TO SUPPLY HIGH VALUE-ADDED PRODUCTS TO OUR CUSTOMERS,ENSURING A BALANCE BETWEEN COST, QUALITY, SERVICE, AND SUSTAINABILITY.



Be a recognized RESPONSIBLE BUSINESS

- Share your environmental, social and governance performance on the requested **Self-Assessment Questionnaire (SAQ)** on SupplierAssurance platform.
- Get a sustainability **minimum scoring** on its ESG performance.
- Comply with **Antolin’s responsible sourcing policy and reporting requests**.
- **Cascade** the Supplier code of conduct commitments to their **own supply Chain**.



Be a CLIMATE NEUTRAL Company

- Use **100% renewable energy** at their facilities in new awarding contracts.
- Set **targets** in line with Antolin ESG strategic targets and **measure their performance**.
- Take action to **develop its roadmap** on how to reach 100 % renewable energy and a reduction plan **towards net zero emissions**.
- **Report on Carbon footprint activity**.
- **Cascade** your sustainability targets to their **own supply chain** and urge them to set **targets** to become **carbon neutral**.



Be a CIRCULAR business

- **Conduct a Life-Cycle Assessment (LCA)** on **supplied components** to calculate the product carbon footprint, as a requirement in new awarding process.
- Gradually **incorporate renewable materials**, such as recycled and natural , on products.
- Look for a **reduction of non-hazardous waste and non-returnable packaging**.

02

Sustainable Solutions

Product Systems

CONSOLIDATING OUR POSITION

BECOMING THE FULL-SERVICE SUPPLIER FOR OUR CUSTOMERS

Our strength is our **portfolio** of products & solutions



World's leading manufacturer of overhead solutions.

We work to **meet the future needs of customers** in terms of the sustainability, weight reduction, customization, and improved safety and acoustics of this product.



Experience & ability to integrate new technologies.

Increasing the added value of this business by leveraging the integration of lighting, electronics, and HMI is a strategic priority for the company.



Great growth potential from the center of the interior.

Integration to offer more complete solutions with greater added value while offering exclusive trim technologies & technological craftsmanship.



Maximum synergies and cost competitiveness.

Sunvisors, mechanisms, and trunk businesses. Moreover, all our **JIT centers** under the same unit to deliver projects that require logistics and final assembly at the customer's factories.

Technology Solutions

BUILDING THE FUTURE

ATTRACTIVE HIGH GROWTH MARKET OPPORTUNITIES

Technology products **integration** to increase value-added

Expanding our capabilities in lighting, HMI, and electronic systems solutions as part of our strategy and thanks to the support of strategic partners such as Walter Pack and AED.

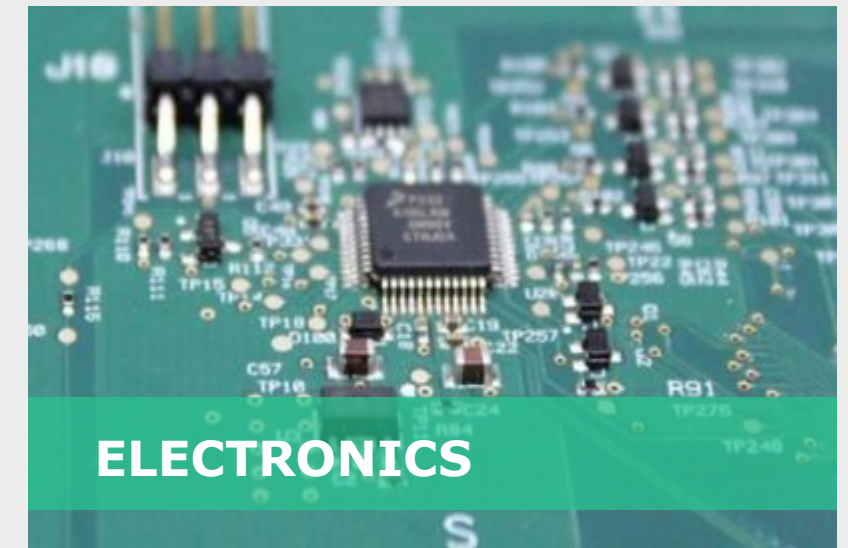
We offer to the customers an integrated and innovative range of customized solutions, providing a significant competitive advantage.



- ▶ Lighting technology
- ▶ Deco
- ▶ Ambient lighting
- ▶ Exterior lighting

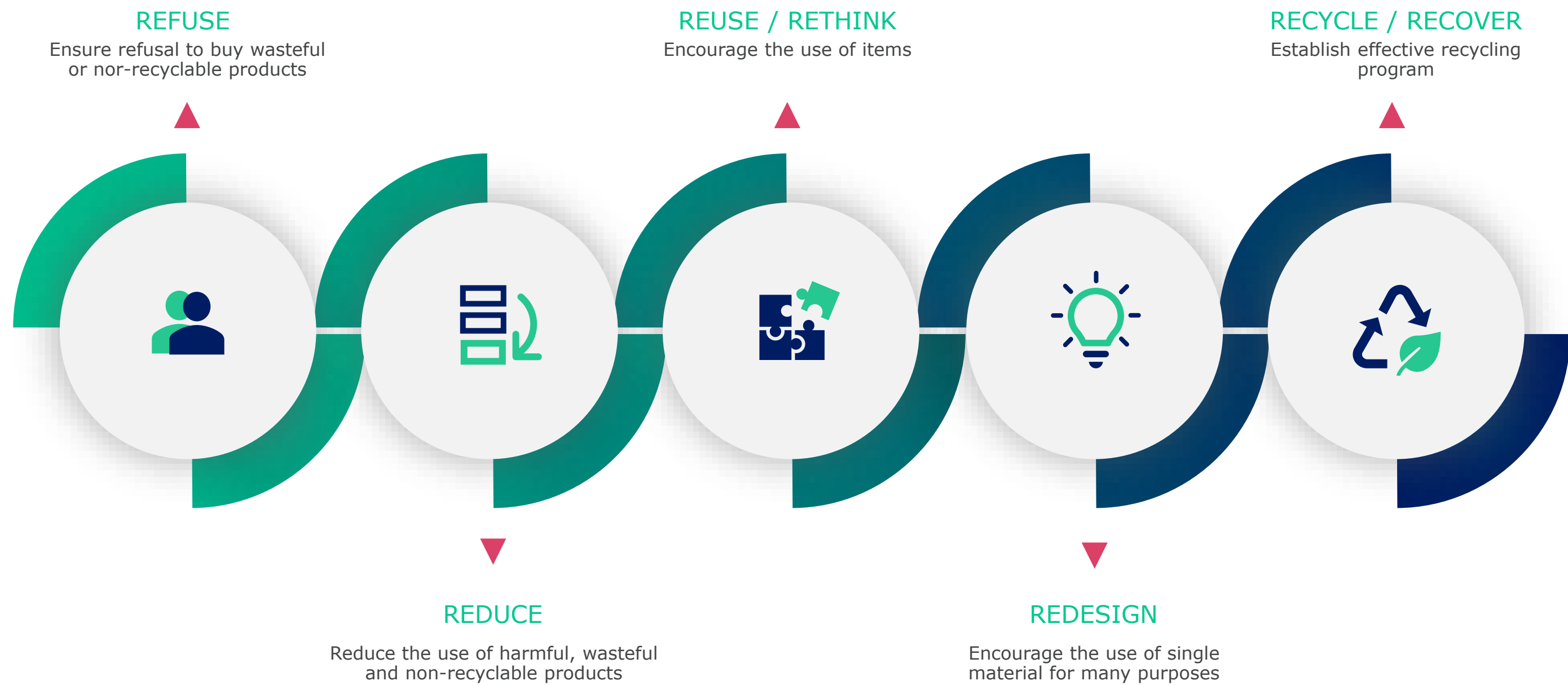


- ▶ Smart touch
- ▶ Display
- ▶ Deco
- ▶ Central control unit



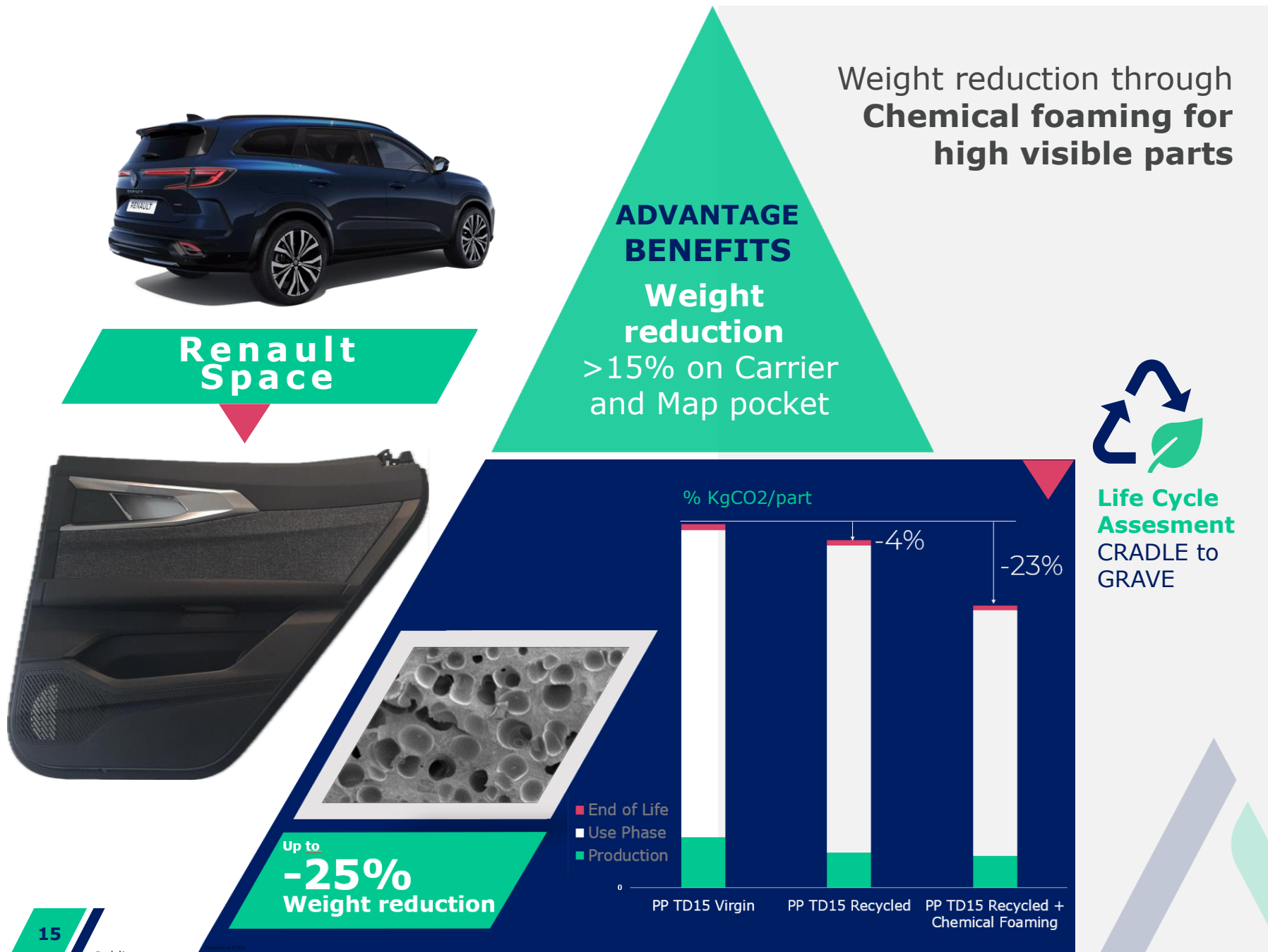
- ▶ Wireless connectivity
- ▶ Actuators
- ▶ Access system
- ▶ ECUs

The 7R's of Sustainability: the path to follow for new sustainable products



Antolin Proposals **READY TO MARKET**

AMBITION CAME TO ACTION: DOORS



Our Proposal already IN THE MARKET

AMBITION CAME TO ACTION: Natural Fiber Backinjection

SUSTAINABLE & LIGHT



Value-added
Products

Combined process technology
using mat intermediates back
injected with PP GF compounds

ADVANTAGE BENEFITS

Weight reduction
>20% on covered parts

Sustainable Material
Natural fiber

CHINA



VOLVO XC60



► Front and back
view

GERMANY



BMW 6-series GT



► Front and back
view

ITALIA



Alfa Romeo Stelvio



► Front and back view

Our Proposal already IN THE MARKET

AMBITION CAME TO ACTION: Waste management



From HL run-offs to **construction boards that are currently being used in real buildings**

The headliners scrap is crushed and mixed with thermosetting resins in order to obtain the Coretech board. These way we create a sustainable Technical board with excellent mechanical, acoustic and water resistant properties.



03

**Use of wastes for
obtaining new products
with high environmental
benefits.**



New products with high environmental benefits

AMBITION CAME TO ACTION: HEADLINERS (HL)

VW T-Roc



First HL in market with **certificated materials** derived from **organic waste**.



Two success stories in the **market** with our **sustainable materials** proposals

Certified material on core layers and recycled PET fibers in the visible A face

HL's performance is kept unchanged from virgin construction

SUSTAINABILITY INCREASES MAINTAINING HEADLINERS' PERFORMANCE

Volvo C40 Recharge



First HL in market with more than **50%** sustainable content derived **from plastic waste and EOL tyres**.



New products with high environmental benefits

CAR INTERIORS FOR A CLEAN OCEAN



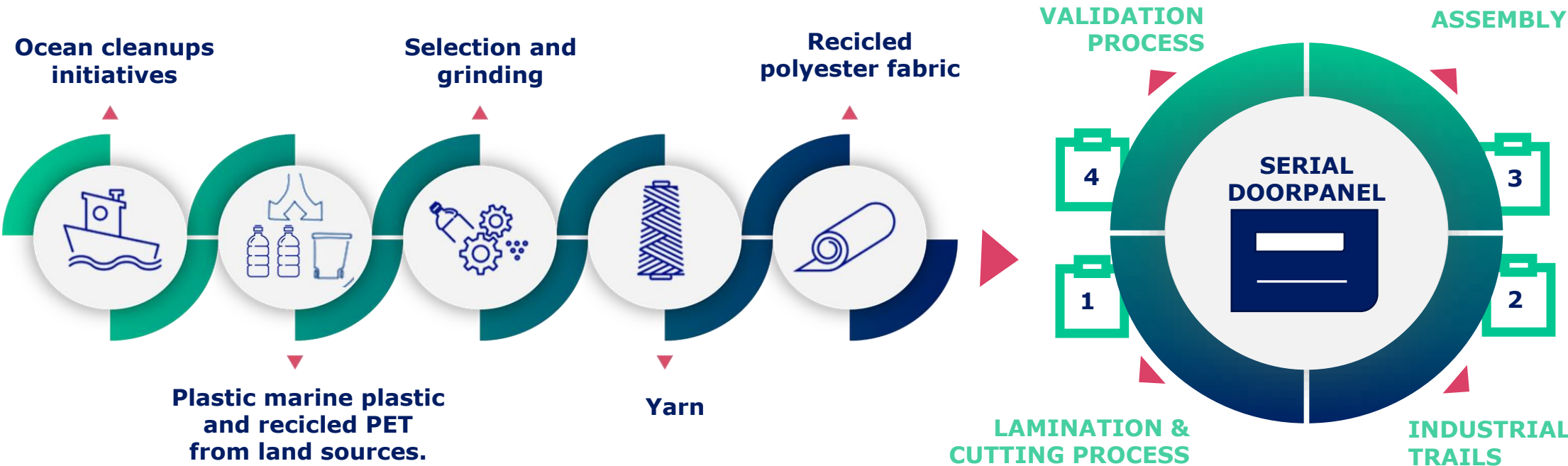
Antolin successfully validates sustainable fabric with SEAQUAL® YARN for door panels

SEAQUAL® YARN, which is comprised of 10% upcycled marine plastic and 90% recycled PET from land sources. Antolin gives their customers the opportunity to choose comfortable and easy-care interiors, with almost identical in physical properties to virgin polyester, while helping to end plastic pollution.



SERIAL DOORPANEL

MADE WITH
SEAQUAL®
YARN

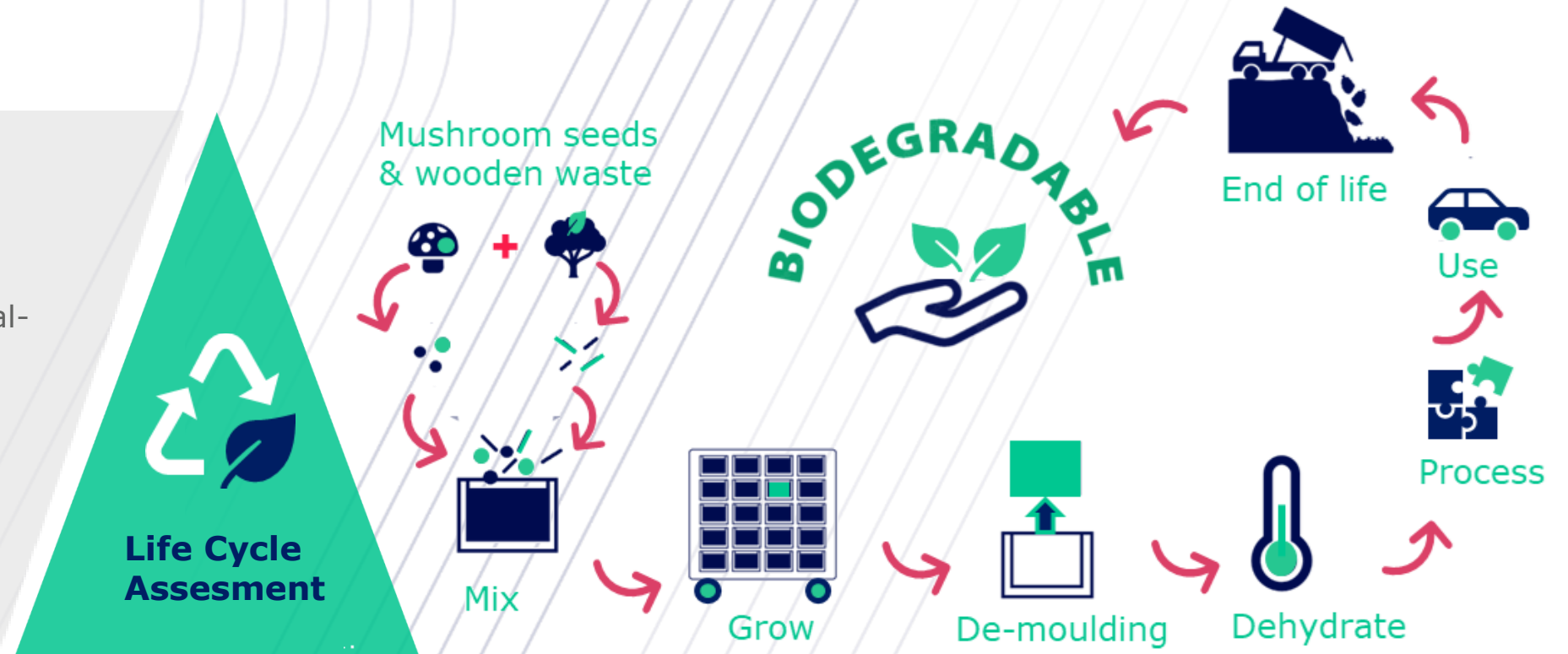


New products with high environmental benefits

MYCELIUM, THE ALTERNATIVE TO TRADITIONAL AUTOMOTIVE MATERIALS

Mycelium is a bio growing organism that acts as a bonding element of local agricultural waste in particular environmental conditions and with a feeding element.

- ▶ Natural origin material
- ▶ Biodegradable
- ▶ Low carbon footprint
- ▶ Low density -earning importance in industry as a packaging material-
- ▶ Solid material
- ▶ Highly compressive material
- ▶ Stiffness comparable with hard woods
- ▶ Good capacity of keeping the shape of the mold
- ▶ Fireproof properties



SUNVISORS made with Mycelium

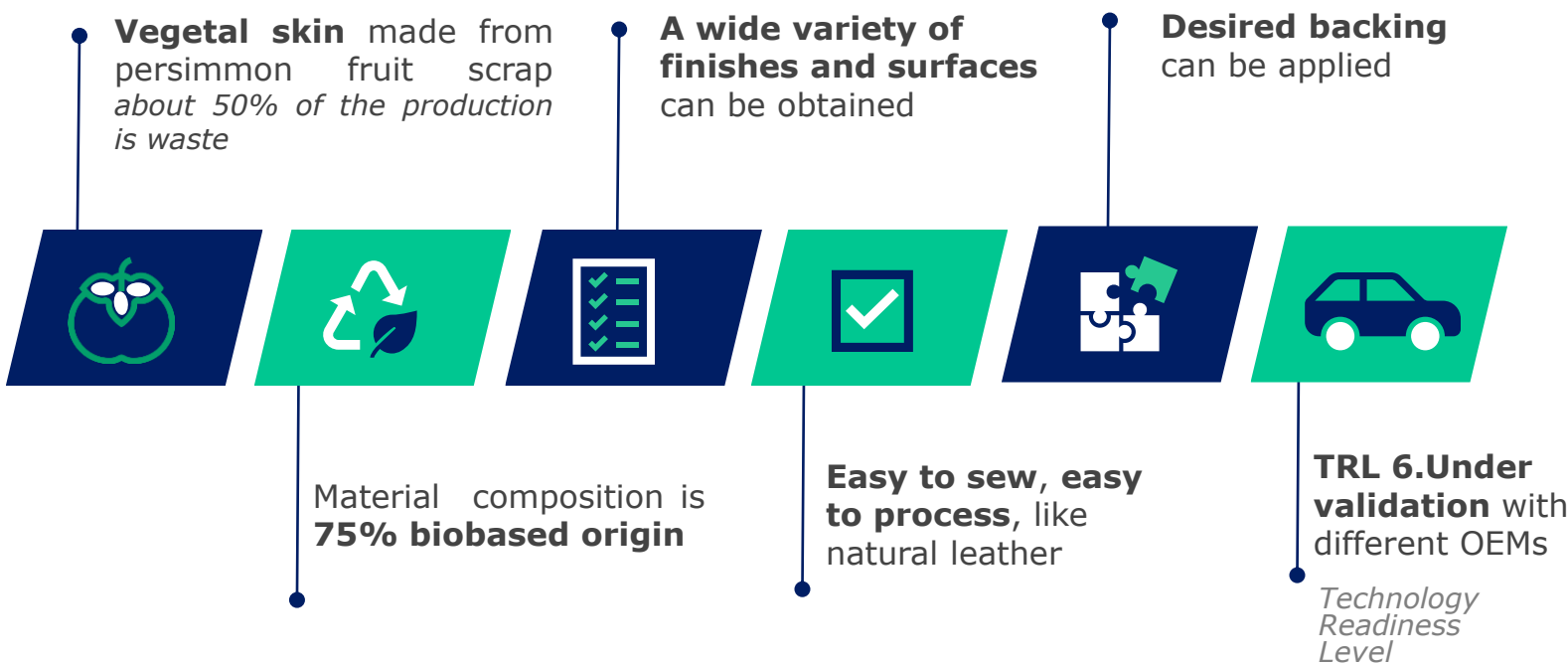


New products with high environmental benefits

PERSISKIN AUTO AS ALTERNATIVE TO LEATHER, PVC OR TPO

Antolin develops of natural and sustainable cover with high environmental benefits

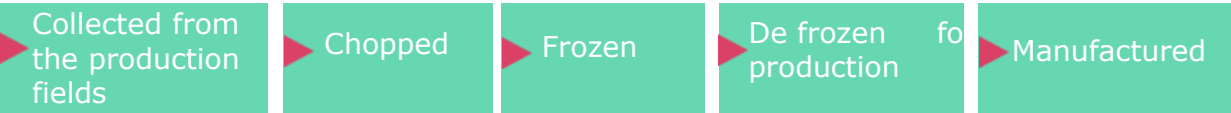
PersiSKIN AUTO® is an innovative, ethical, vegan, plant based, and sustainable vegetal skin focused on a circular economy representing an alternative to animal and artificial leather

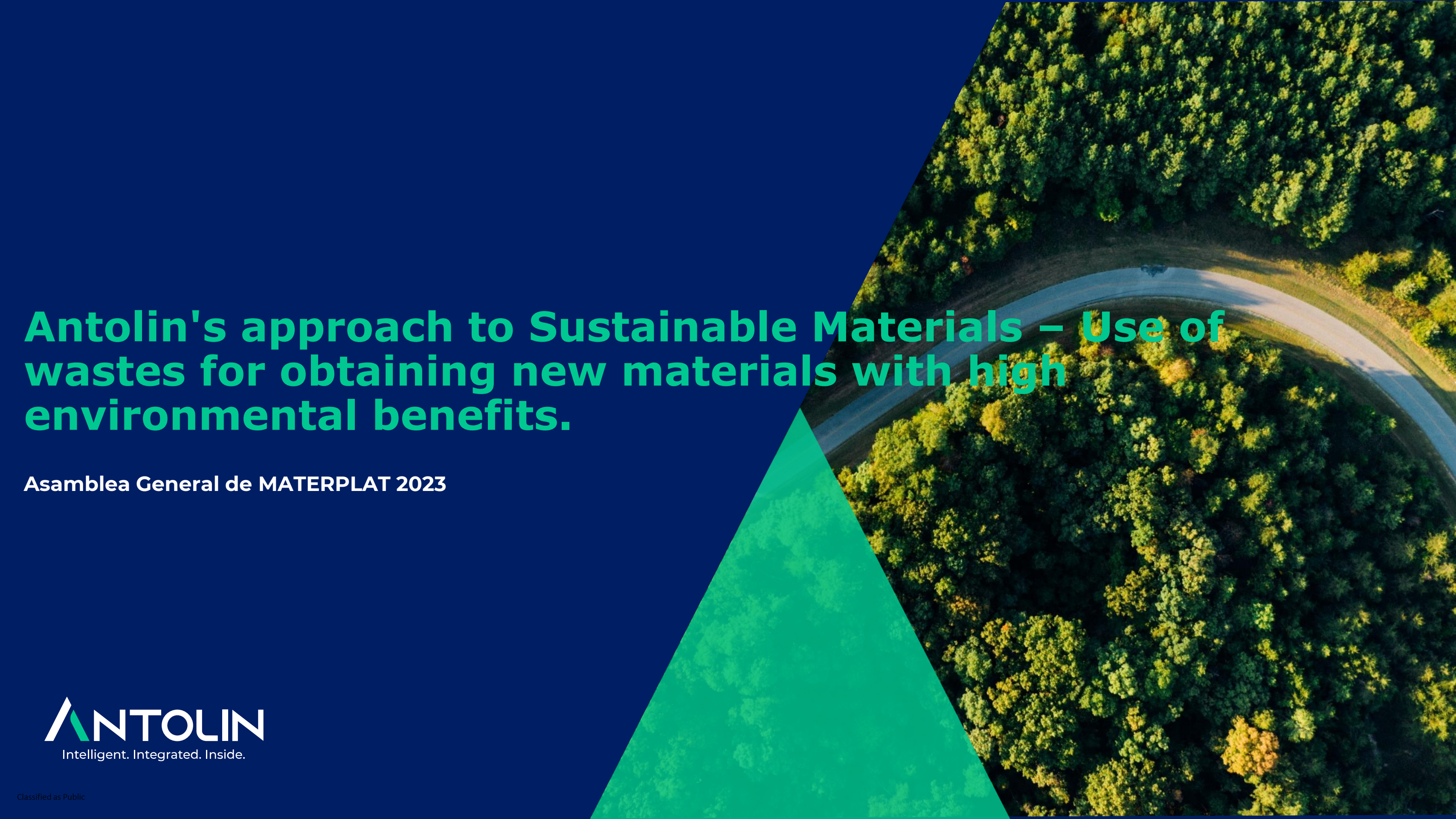


PersiSKIN AUTO® is created from the surplus of the persimmon harvest, so no additional environmental resources are required for its production



Spain is the 1st producer and exporter of Persimmons in the world. Production is close to 500 million Kgs annually and nearly 250 million Kgs. are waste due to commercial and geopolitical factors





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