



Simoldes Plastics

Company Presentation



21st of November 2023



Juntos fazemos melhor

Simoldes Group

Family-owned company

Mr. Antonio Rodrigues

Mr. Rui Paulo Rodrigues



1200 employees

- 1959 ● **Simoldes Aços**
Oliveira de Azeméis - PORTUGAL
- 1991 ● **MDA – Moldes de Azeméis**
Oliveira de Azeméis - PORTUGAL
- 1993 ● **IMA – Industria de Azeméis**
Oliveira de Azeméis - PORTUGAL
- 1998 ● **Simoldes Aços Brasil**
S. José dos Pinhais - BRAZIL
- 2000 ● **IGM – Industria Global de Moldes**
Oliveira de Azeméis - PORTUGAL
- 2001 ● **Mecamolde – Moldes de Plásticos**
Oliveira de Azeméis - PORTUGAL
- 2002 ● **Ulmolde**
Oliveira de Azeméis - PORTUGAL
- 2002 ● **ACS Germany**
First tool making plant in Germany - GERMANY
- 2005 ● **ACS Argentina**
First tool making plant in Argentina - ARGENTINA
- 2018 ● **Milling Center**
Oliveira de Azeméis - PORTUGAL
- 2018 ● **Simoldes Aços Morocco**
Kenitra - MOROCCO
- 2021 ● **Simoldes Steel Centre**
Oliveira de Azeméis - PORTUGAL
- 2021 ● **Tryout Center**
Oliveira de Azeméis - PORTUGAL
- 2021 ● **Simoldes USA**
Detroit- USA



5 800 employees

- 1981 ● **Simoldes Plásticos**
Oliveira de Azeméis - PORTUGAL
- 1993 ● **Inplas – Indústria de Plásticos**
Oliveira de Azeméis - PORTUGAL
- 1995 ● **Plastaze – Plásticos de Azeméis**
Oliveira de Azeméis - PORTUGAL
- 1996 ● **Simoldes Plásticos Indústria**
Caçapava - BRAZIL
- 1996 ● **Simoldes Plásticos Brazil**
S. José dos Pinhais - BRAZIL
- 1998 ● **Simoldes Plásticos France**
Onnaing - FRANCE
- 2003 ● **Simoldes Plásticos Polska**
Jelck Laskowice - POLAND
- 2014 ● **Simoldes Plásticos Czech**
Kvasinv - CZECHIA
- 2018 ● **Simoldes Plásticos Morocco**
Kenitra - MOROCCO
- 2022 ● **Simoldes Plásticos Zory**
Žory - POLAND

Confidencial Copyright / Simoldes Plastics





HQ & Plants in Portugal

Simoldes Group Data



691M€

Turnover

2022

2,25%

of Turnover

**In R&D
Investment**

7000

Employees

Worldwide

36

Companies

Present in several
continents

20

Plants

+ 3 Engineering
Centers

+ 4 Advanced
Customer
Services

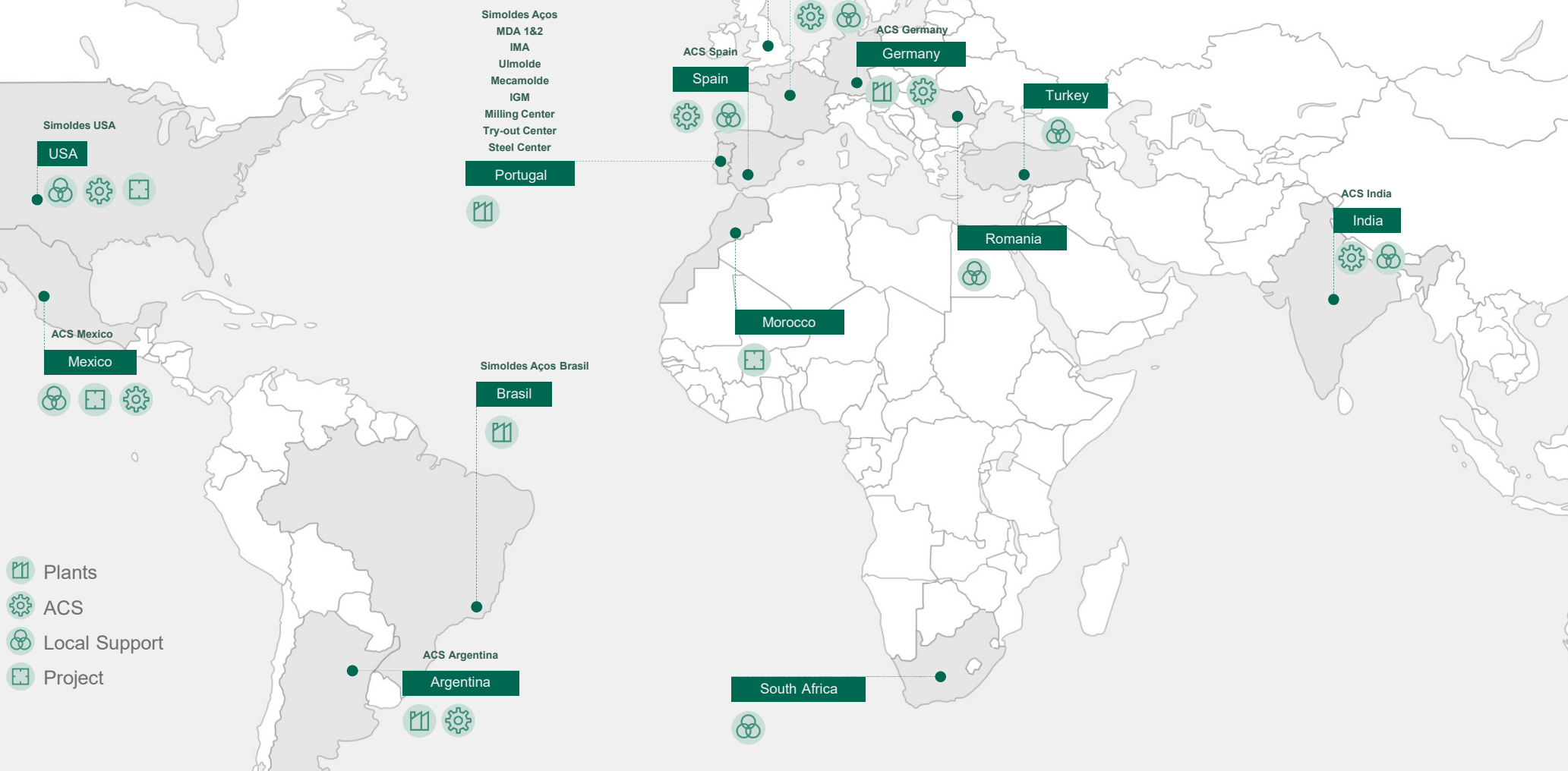
12

Countries

Portugal | Spain |
France | Germany |
Czechia | Poland |
Morocco | Brazil |
India | Mexico | USA |
Argentina



Simoldes
Tools



Our data

Over
1.000

Human Resources
Worldwide 2022

Over
110 M€

Turnover
2022

OVER
19.040

Tools
Total

400

Tools/year
2022

2,5%
of the turnover

Investment in R&D

Sectors



Aeronautics



Automotive



Building / Construction



Childcare



Food Industry



Furniture



Household Appliances



Medical Equipment



Military



Motorcycles



Packaging

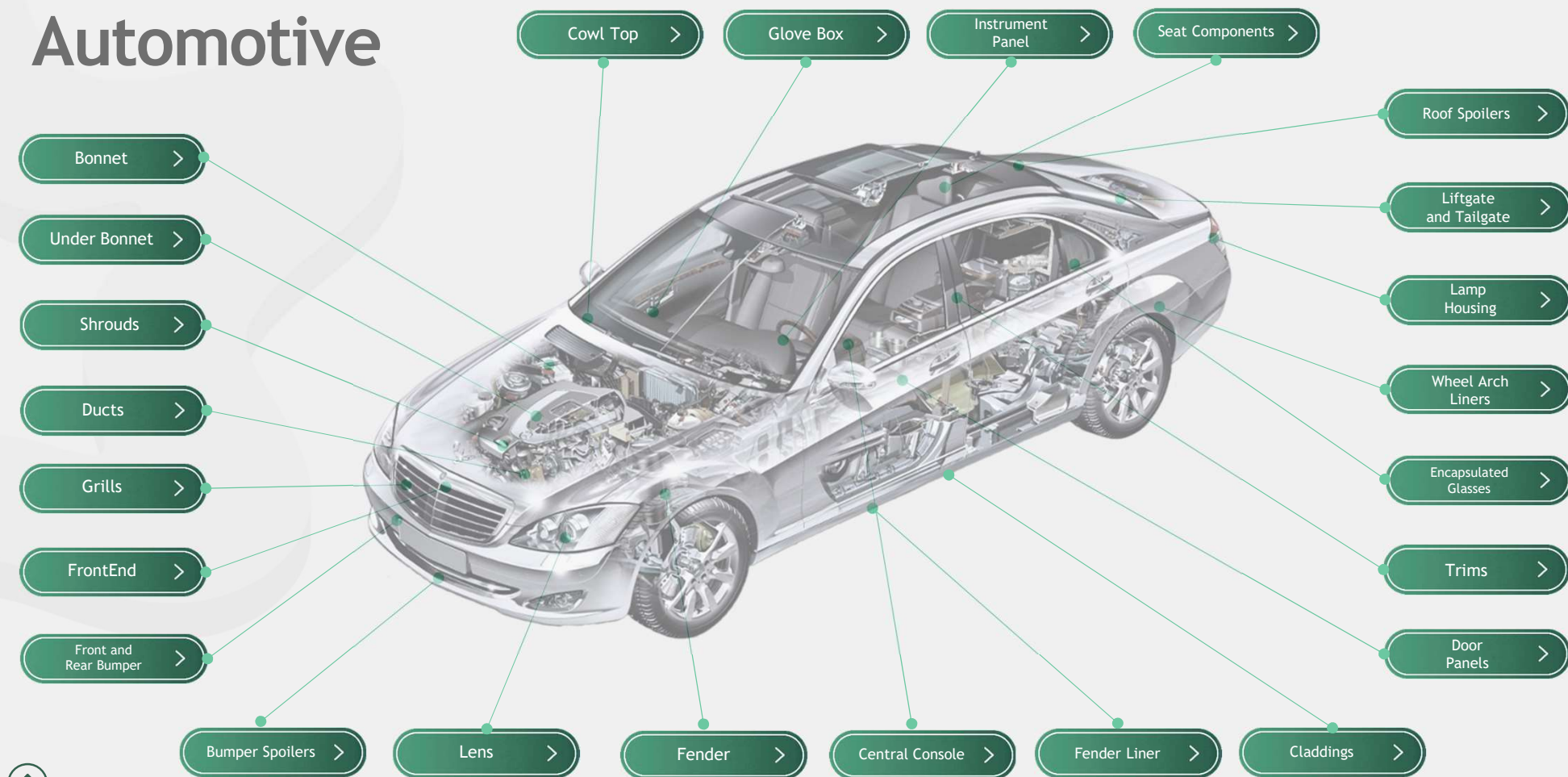


Sports Goods

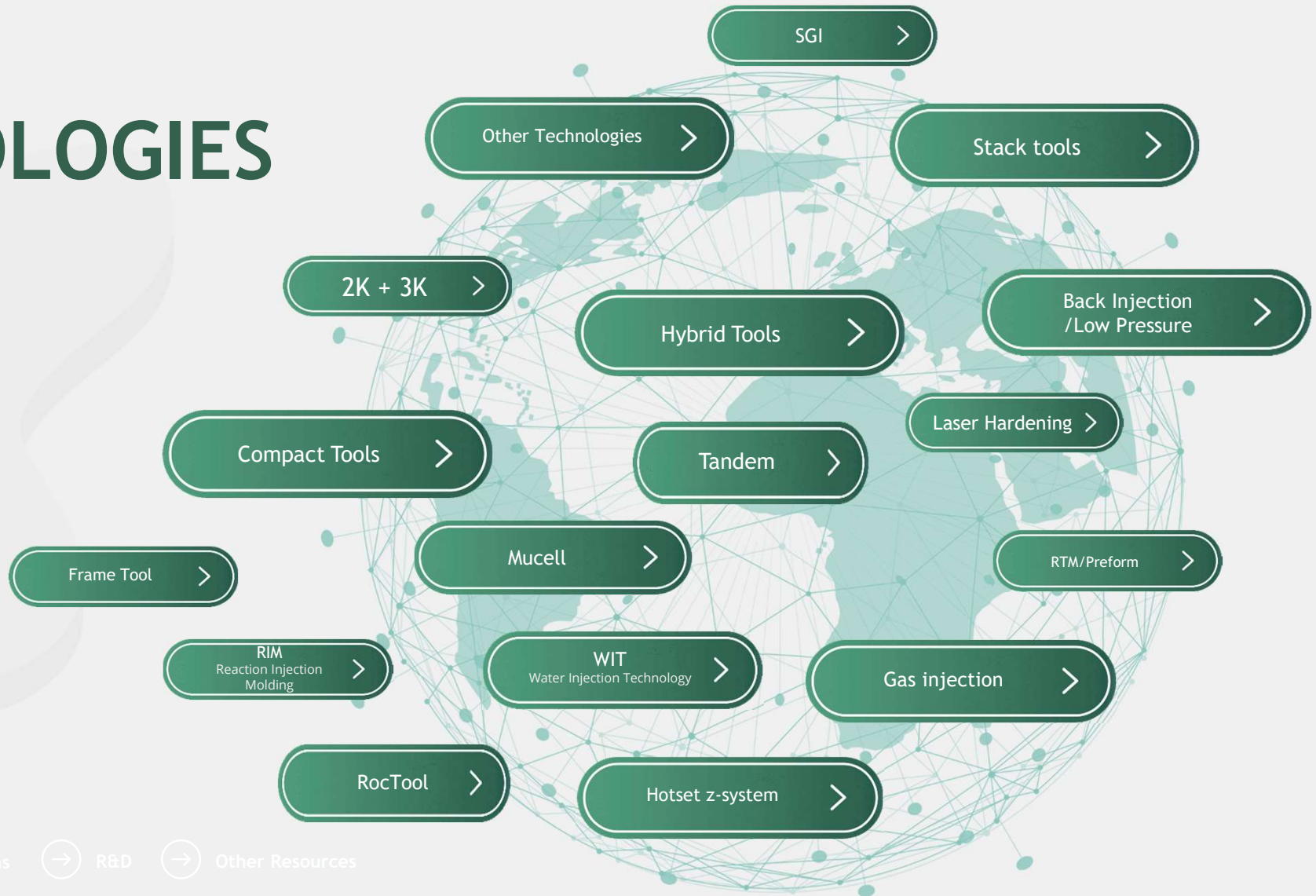


Technical Equipment
/ Measurement

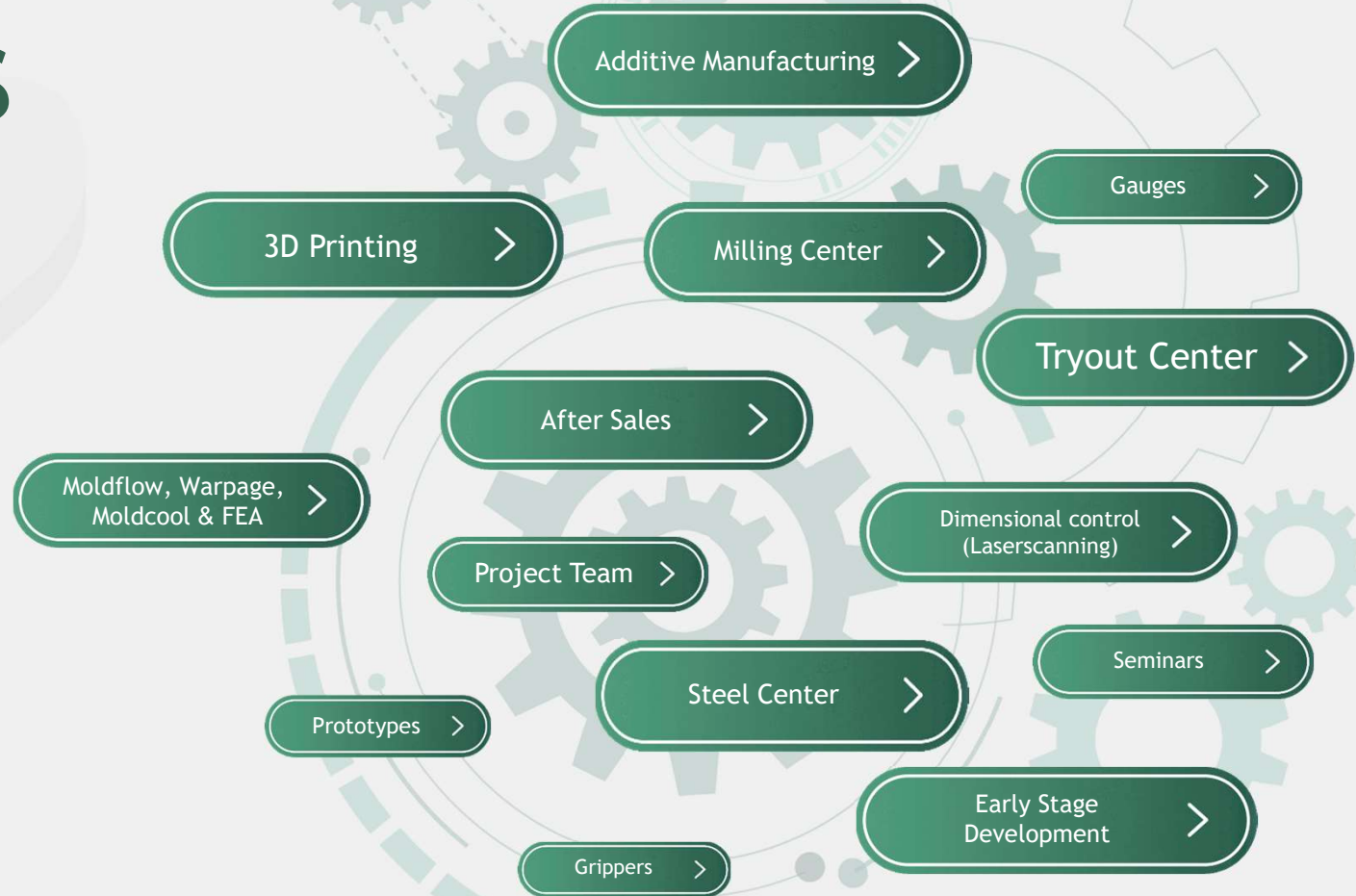
Automotive



TECHNOLOGIES



SOLUTIONS





R&D+i



Sectors



Technologies



Solutions



Other Resources



Simoldes
Plastics

Worldwide Presence

Portugal
Spain
France
Germany

Czechia
Poland
Morocco
Brazil

8 countries

10 plants

5800 employees

600 million €

7 JIT warehouse

4 customer service centers

Confidential Copyright Simoldes Plastics

Simoldes is growing in all regions

Brazil



Simoldes Plásticos Brasil



SPI - Simoldes Plásticos Industria

Plastic group organisation

- 1 Technical Centre in Portugal
- 4 Customers Services Offices (sales, projects eng.) - France, Germany and Spain
- 10 Plants – 8 in Europe & Morocco and 2 in Brazil

Portugal

Headquarter
Technical Center
Production Plants



Simoldes Plásticos



Inplas



Plastaze

France



Simoldes Plásticos France

Morocco SPMK



Poland



Simoldes Plásticos Polska (Wroclaw)



Simoldes Plásticos Polska (Zory)

Czech Rep SPCZ



A blue-tinted photograph showing a pair of hands holding a white, complex plastic component, likely a mold or a part of a machine. The background is blurred, showing what appears to be a workshop or factory setting.

Mission and Values

Mission Statement

To be the preferred choice of our customers, employees and suppliers, contributing to a sustainable growth and satisfying our stakeholders.

Values

Deliver our commitments.

Trust on each other.

Simoldes Strategic Guidelines (2021-2025)

Our Goal:

**TURNOVER
GROWTH**

PROFITABILITY

**SOLID FINANCIAL
STRUCTURE**



**CUSTOMER
PROXIMITY**



**GROW IN
HIGH-VALUE
ADDED PRODUCTS**



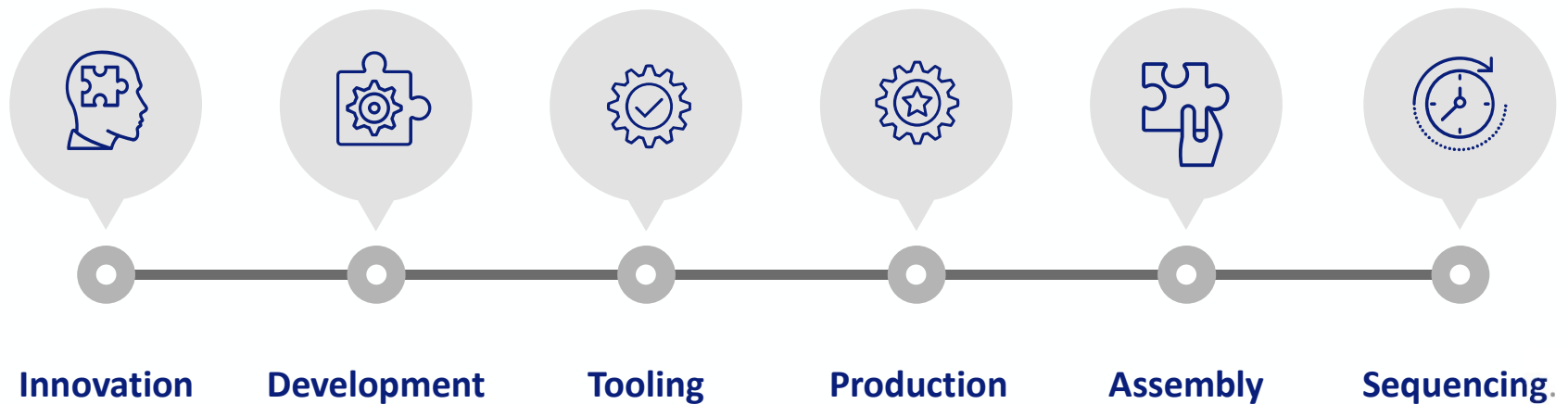
**COST
COMPETITIVENESS**



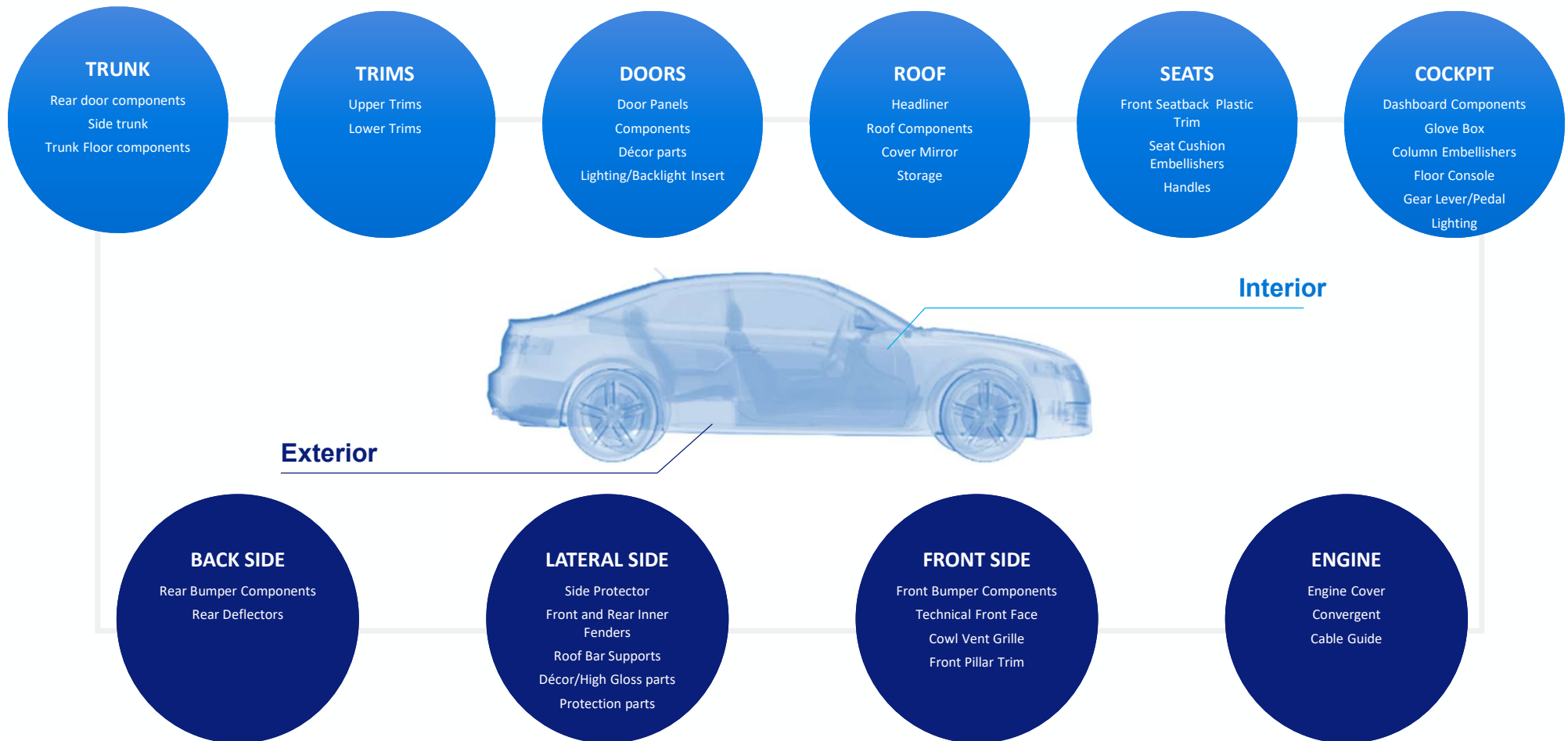
**BRING
INNOVATION &
SOLUTIONS**

**QUALITY, CONSISTENCY & ON-TIME DELIVERY
CONTINUOUS IMPROVEMENT
SUSTAINABILITY**

Automotive Value Chain Presence

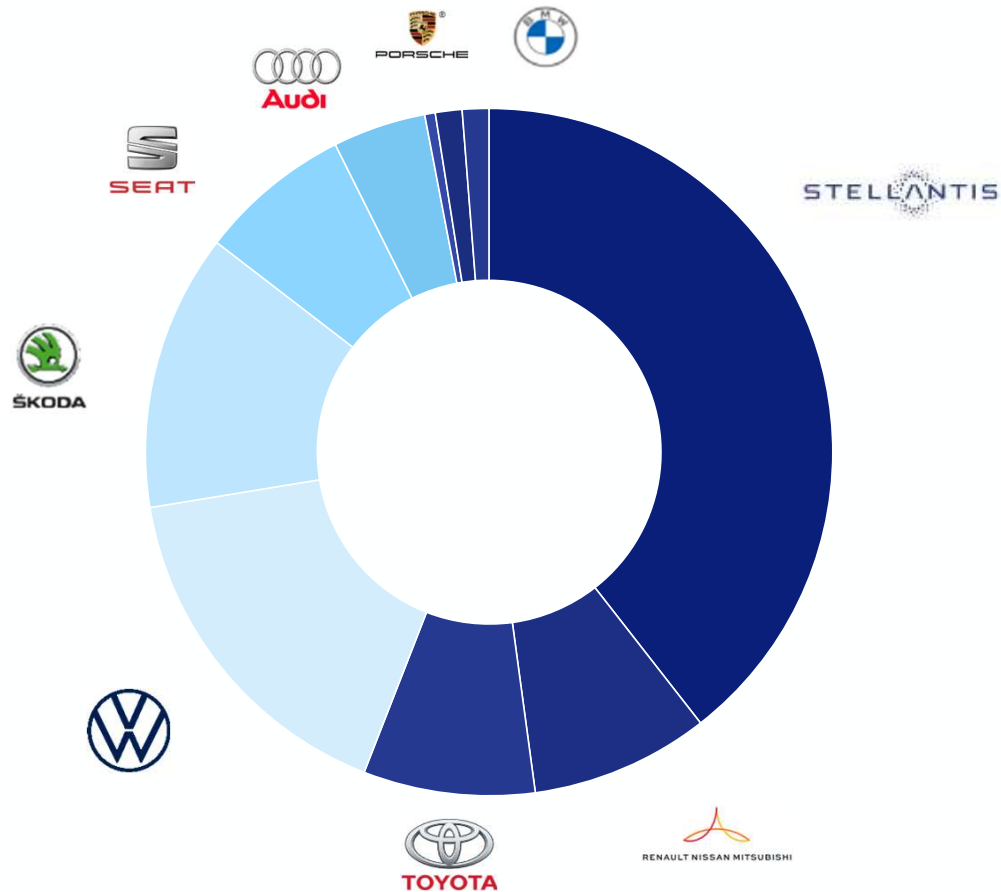


Product Families

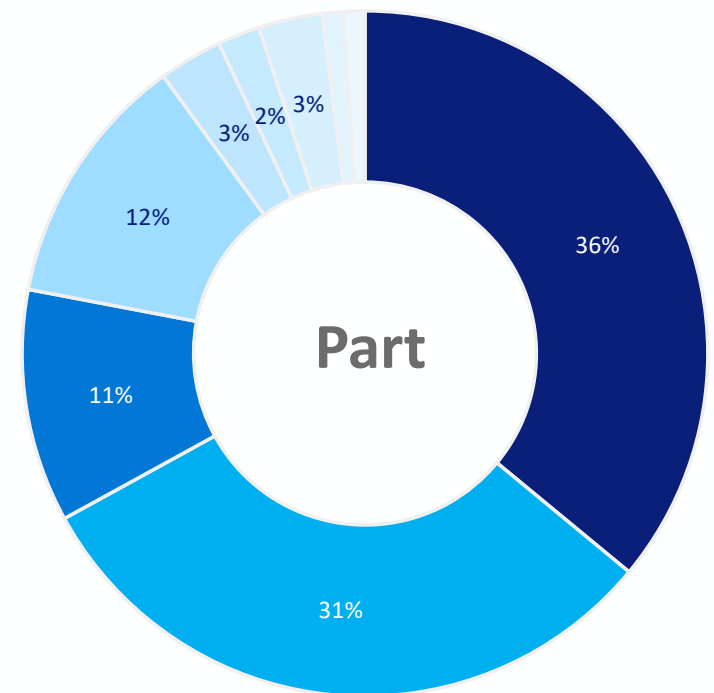


Turnover Europe

Sales Parts (PC + LCV + Truck)



- Door Panel
- Exterior Protection
- Others
- Front End
- Floor Console
- Interior Trim
- Luggage Trim
- Instrument Panel
- Roof



High-Value Added Parts

Our Technologies

Injection Molding

- Injection Molding
- Bi-Injection
- One Shot
- Low Pressure
- Gas Injection
- Hybrid Injection
- Injection Compression
- Poly Press
- Woodstock

Finishing

- Welding
Laser/Vibration/Ultra-Sonic/Hot Plate
- Cutting
Laser/Punching/Ultra-Sonic
- Assembly
Clipping/Stapling
- Gluing
- Vacuum Thermoforming & IMG
- Wrapping

Surface Finishing

- In Mold Decoration
- In Mold Labelling
- Decor Painting
- Soft Painting
- Body Colour Painting
- Tampo-Printing

- Wrapping Units in East and West
- High Gloss unit for interior/exterior parts
- Automated Painting Line (Upgraded 2022)
- Lighting Technology
- FIP (foaming in place PUR) (East)
- ...

Innovative & Proactive Solutions

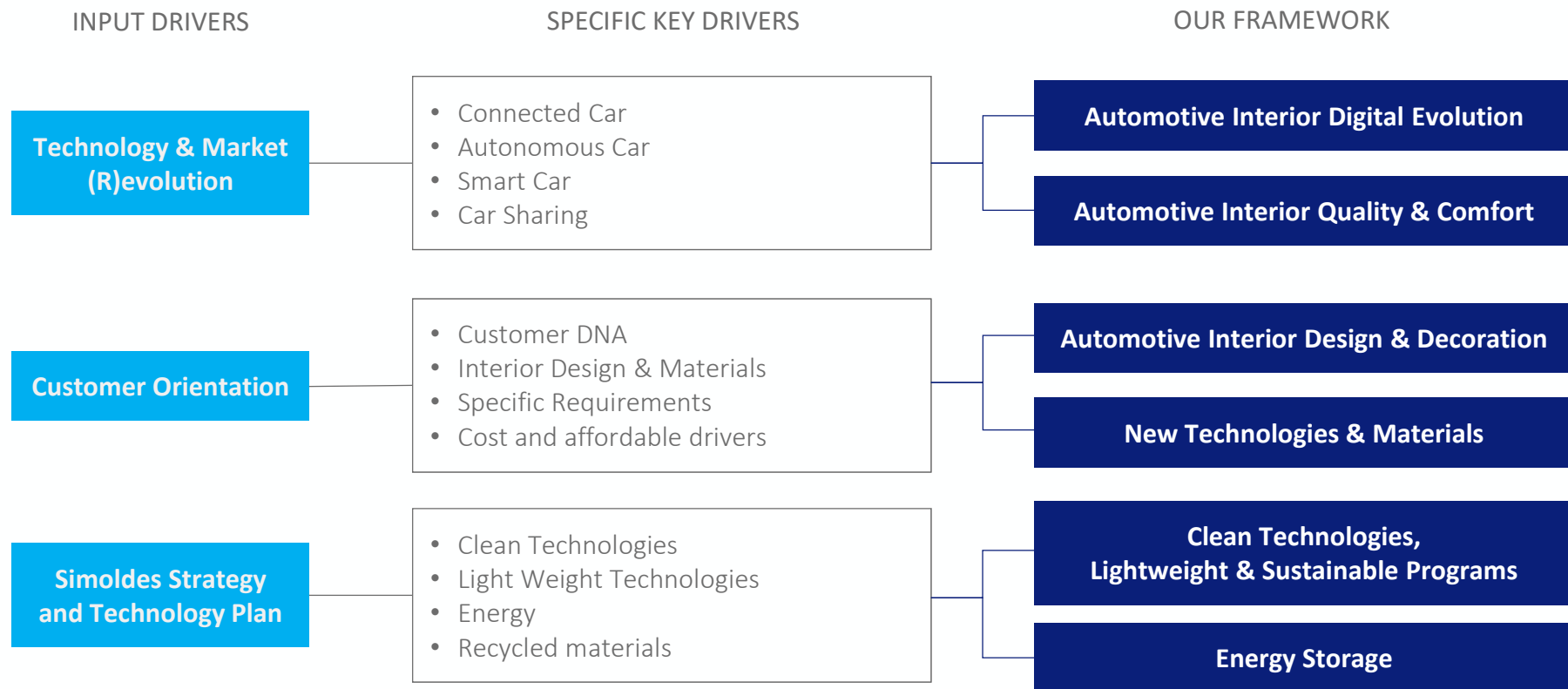
Strategic Roadmap



Sustainability, competitiveness and knowledge (innovation) are needed to face the challenges of the future

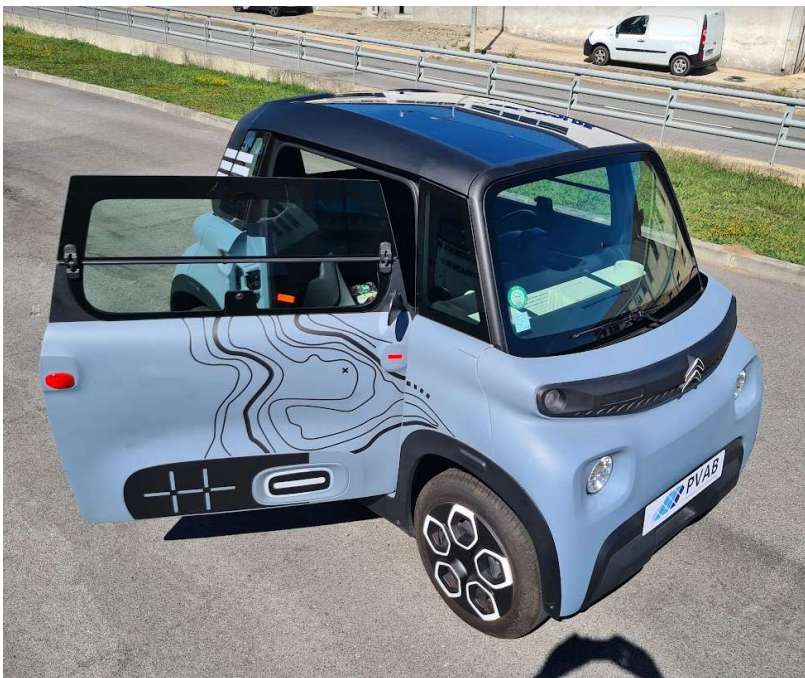
Innovative & Proactive Solutions

Strategic Research Framework



1. Replacement in the photovoltaic roof panel of a glass solution by a polymer solution, translating advantages in terms of cost and weight of the material

Citroën AMI roof



Confidential / Copyright - Simoldes Plastics



PVAB
PhotoVoltaic Automotive Body

Simoldes Plastics

Lightweight solar modules for automotive applications

Lightweight bio-based injected polycarbonate with automotive-grade protective coating

High-performance photovoltaic cells in specific recipe with conductive backsheet technology for optimum aspect and yield

Injected base car roof

PVAB unique benefits		
Lighter 13% lighter than glass module	Freedom 3D curved modules and flexibility in cell layout	Made in EU Photovoltaic cells and modules produced in EU
Cells 114 cells (1/4 G1 size)	Power 140 Wp	Technology IBC 22-23% efficiency

Autonomy gain/day		
Paris • 5 km in average • 8,6 km in summer	Seville • 7,5 km in average • 11,3 km in summer	Munich • 4,9 km in average • 8,3 km in summer

Simoldes CEBA CSMT STELLANTIS

COMPETE 2020 2020



Additive Manufacturing
for Smart Plastics

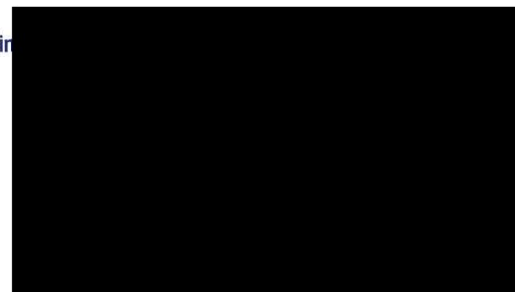


FUTURE
DOOR PANEL

Future Door Panel



Development of a new automotive interior door panel, integrating cutting edge sustainable materials and solutions regarding the intrinsic architecture of the door panel, design and decoration, comfort, lighting, weight reduction and flat acoustic array.



dourea
DECORATIVE SOLUTIONS



Sustainability **Simoldes automotive aproach**

- **Boost, recycled materials**
- **Green Materials**



Boost, recycled materials



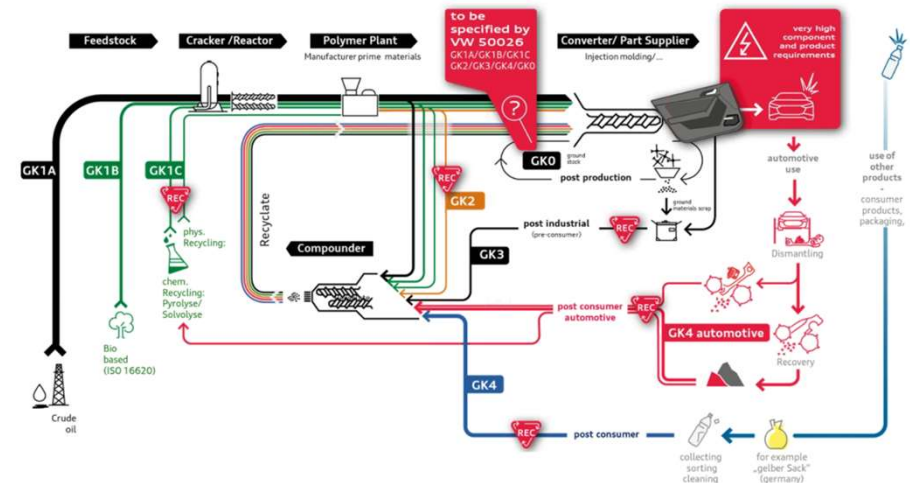
Automotive priorities:

PCR Automotive source – GK4 CLOSE LOOP

PCR Non-automotive – GK4

PIR Automotive – GK3

PIR Non-Automotive – GK3



Recycle type

Material type

Supplier certification

Quellen	Verzierungslogik	Bewertung (Ampel)		
VW50026	Einsatz von Rezyklaten (Spritzguss) bevorzugter Einsatz von „nachhaltigen“ WS → Fokus: ELV Directive	Bewertung	GK3	GK4
		<40%	<20%	<20%
		40-100%	20%-39%	20%-39%
VW91101, BTV Leitfaden, Prämissen NaWaRo	Sicherstellung der werkstofflichen Kreislauffeignung nach EoL: Sortier- und Recyclebarkeit der Werkstoff-Massenströme			
Lieferantendaten (ISCC, RSB, FSS), Bauteile, Fzg.-Projekt	Skalierbarkeit und unkritische Mengenverfügbarkeit/Industrialisierung, Insbesondere bei biobasierten Rohstoffen	Zu bevorzugen	Zu reduzieren	Zu vermeiden
		Unkritisch, keine Limitationen	Skalierung möglich/ Zertifizierung ausstehend	Kritische Skalierung/ keine Zertifizierungen

Green Materials

Sinorganic

Sustainable Automotive materials

ORGANIC

Cork

Olive pit

Dry fruits

Chestnut hedgehog

INORGANIC

Terracota

Marble

Slate

Granite

Sustainable Materials FOR NEW DESIGNS

Biopolymers solutions for Automotive interiors

Simoldes

since 1959

Slate

Inorganic

A Pedra Negra

Portugal é conhecido pela sua produção de ardósia de alta qualidade. A região do norte dopais é conhecida por produzir ardósia em tons de cinza e preto, usada na construção de telhados, revestimentos de paredes, pavimentos e elementos decorativos ou para as famosas e nostálgicas lousas escolares. É apreciada em todo o mundo por sua durabilidade, variedade de cores e texturas, bem como sua capacidade de resistir às condições climáticas adversas.

A produção de ardósia em Portugal tem uma longa tradição e continua sendo uma importante indústria local. Além de atender a demanda nacional, a ardósia portuguesa é exportada para vários países.

Origem do resíduo
Portugal

OceanBattery

New business unit to develop and **commercialize sodium ion cells** for **stationary** market and **refrigerated vehicles**.



Confidential Copyright / Simoldes Plastics

2029



250 MWh PRODUCTION

Production of prismatic
sodium ion cells



TECHNOLOGY DEVELOPMENT CENTER

Licensing of next generation energy
storage technologies



simoldes.com

juntos fazemos melhor

