

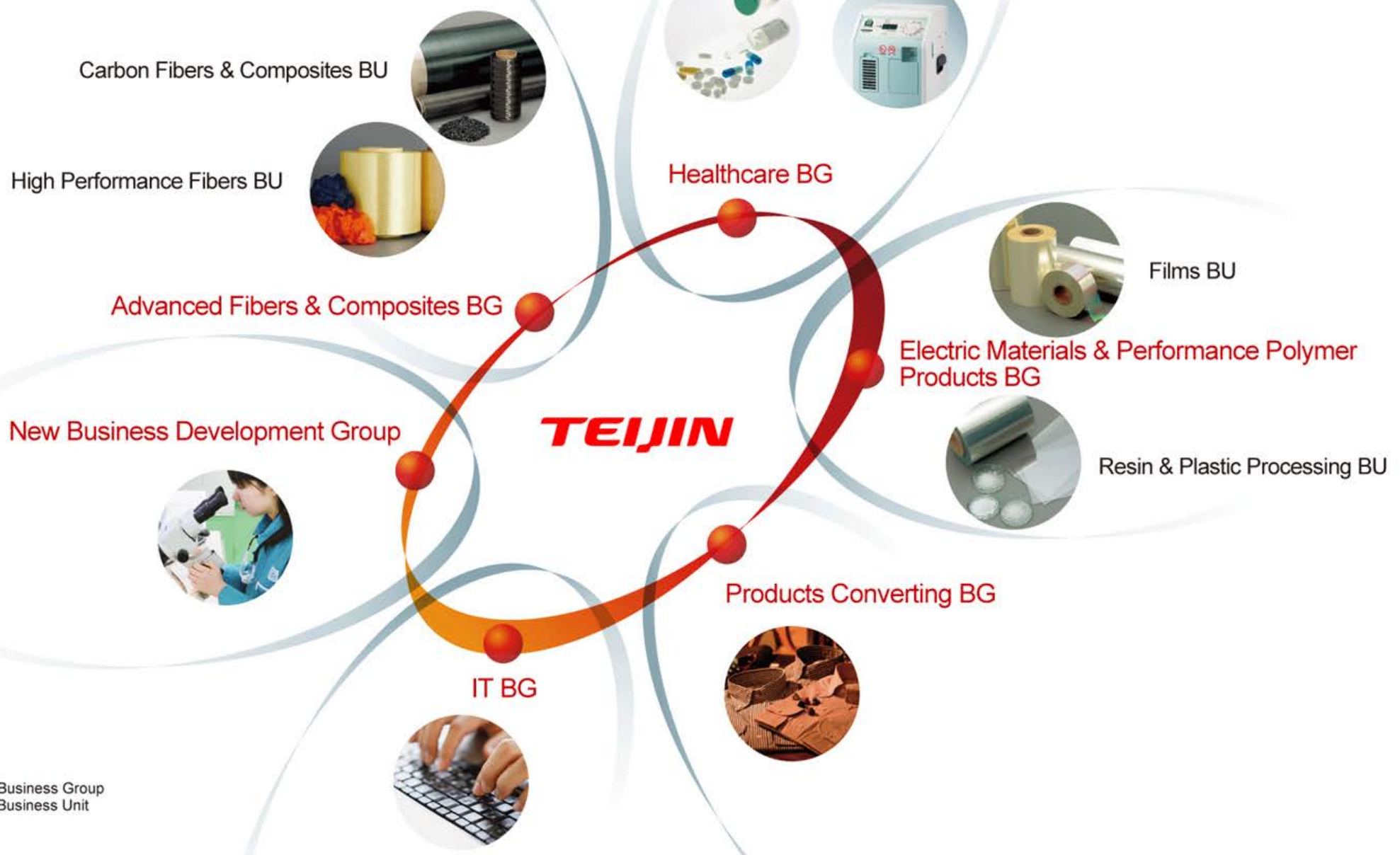


## Introduction to the Teijin Group

Teijin Aramid als onderdeel van het  
grotere geheel

Ton de Weijer  
R&D Strategy

# Business Group Structure

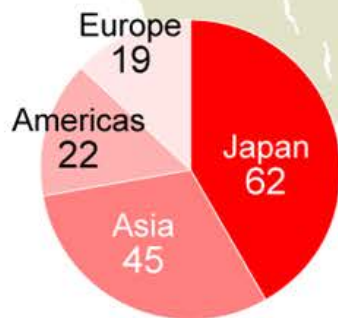


Note) BG : Business Group  
BU : Business Unit

# Global Network

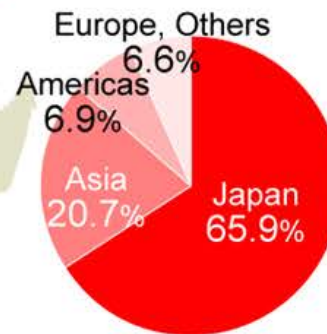
- Teijin Limited, Regional Headquarter Company
- Advanced Fibers & Composites Business
- Healthcare Business
- Electric Materials & Performance Polymer Products Business
- Products Converting Business
- IT Business
- Others

**Number of Group Companies**



Total 148  
(As of March 31, 2013)

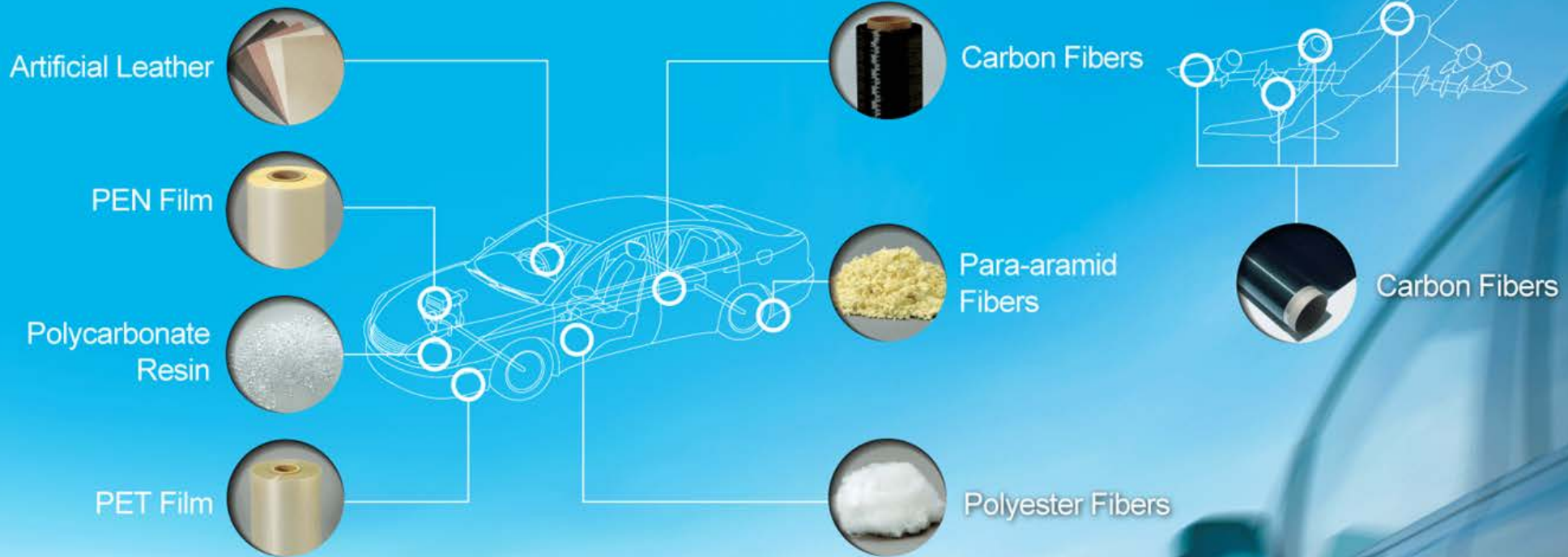
**Consolidated Net Sales by Region**



Total 745.7 billion yen  
(Fiscal 2012)

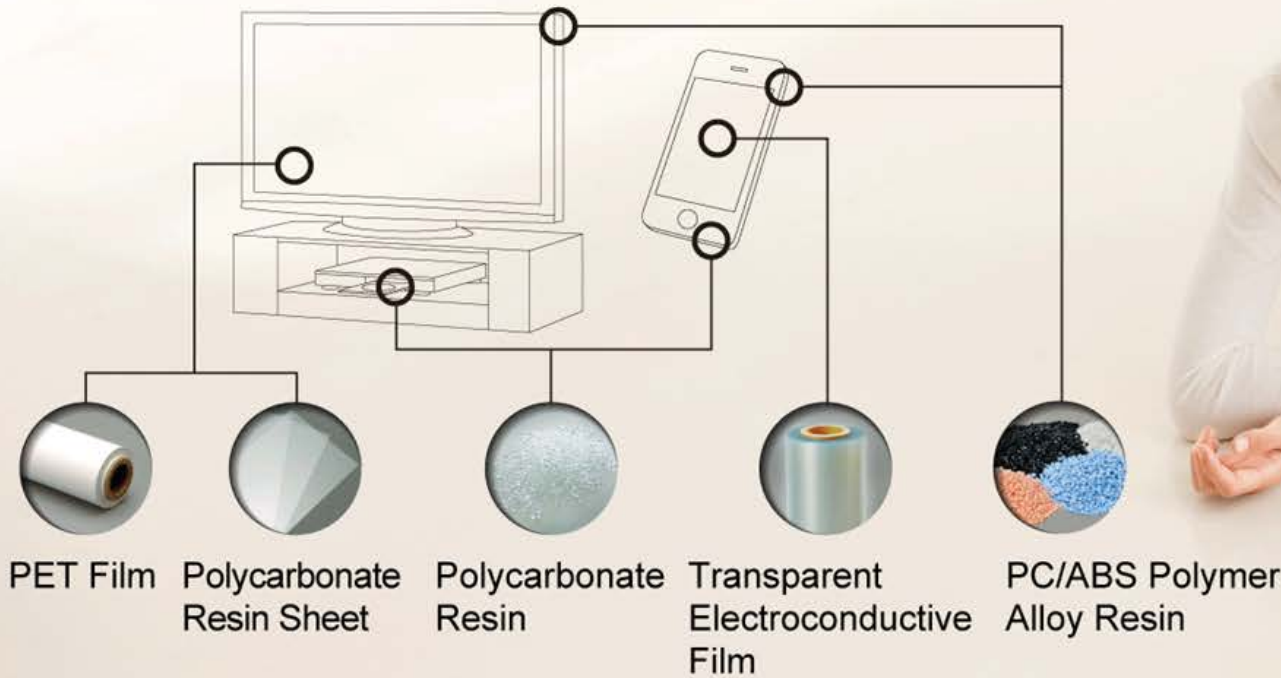
# Sustainable Transportation

We develop materials with higher functionality and next-generation technologies that not only improve comfort and safety, but also realize better environmental performance through reduced CO<sub>2</sub> emissions and energy conservation.



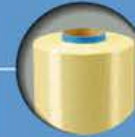
# Information and Electronics

Our high-performance films, plastics and other materials contribute to increased functionality and quality, paving the way for tomorrow's information and electronics devices.

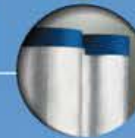


# Safety and Protection

Our high-performance materials and products with wide variety and advanced properties meet the increased demand for safety/security in societies and people's lives.



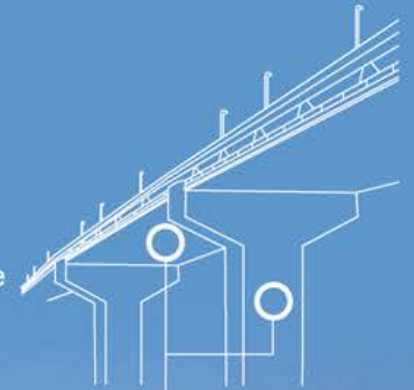
Para-aramid  
Fibers



High-performance  
Polyethylene



Meta-aramid  
Fibers

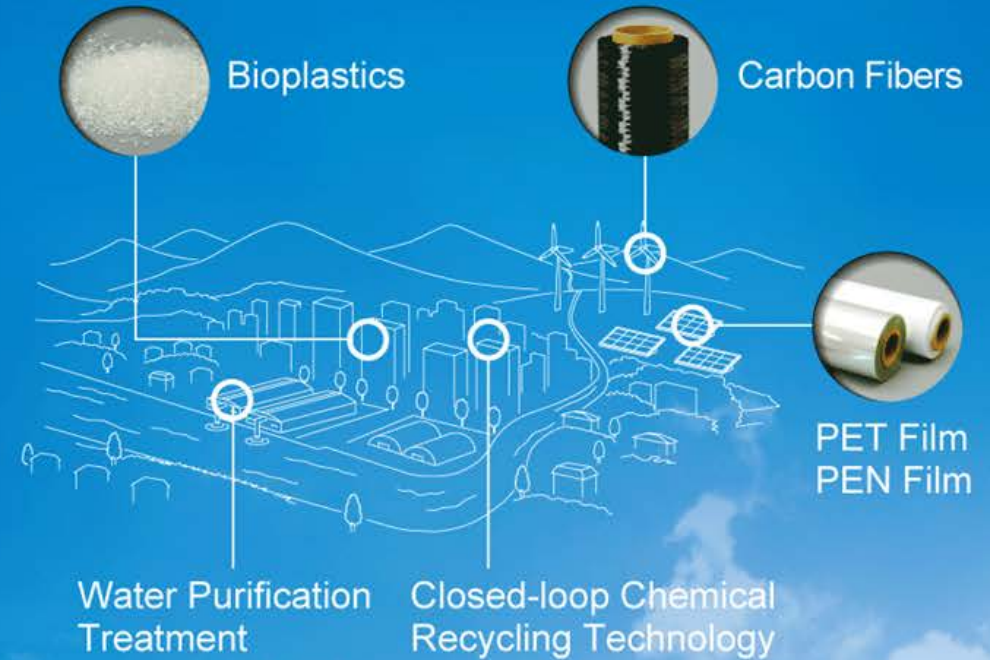


Para-aramid  
Fibers



# Environment and Energy

In response to environmental issues, we have developed recycling technologies contributing to cyclic use of fossil and water resources, bio-based polymer materials, and high-performance/advanced materials that are leading to greater utilization of clean, natural energy resources.



# Healthcare

We provide unique and revolutionary solutions in the fields of pharmaceuticals and home healthcare, with a focus on three key therapeutic areas: bone and joint, respiratory, and cardiovascular and metabolic diseases.

## Respiratory Diseases

- Oxygen concentrator for home oxygen therapy (HOT)



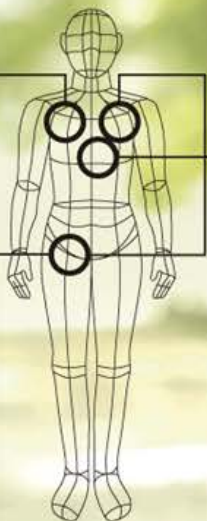
## Respiratory/Cardiovascular and Metabolic Diseases

- Continuous positive airway pressure (CPAP) unit
- Non-invasive positive pressure ventilator
- Adaptive servo-ventilator



## Bone and Joint Diseases

- Sonic accelerated fracture healing system



Bone and Joint Diseases, Respiratory Diseases, Cardiovascular and Metabolic Diseases, and Other





# Solution Business

**Material 1D** →  
The substance out of which a thing can be made

Downstream

**Component - 2D** ↗  
a functional part or aspect of a device

Downstream

**Device - 3D** ↘  
a machine or tool used for a specific task

## Thermoplastic Carbon Technology

Environmentally Viable Material Ready for Mass Production and Recyclable

### Carbon Fiber

+ *Be competitive with Steel in Automotive*



### Carbon Fiber Reinforced Plastic (CFRP)

+ *Short moulding time*  
+ *Recyclable*



### Car with CFRP body structure

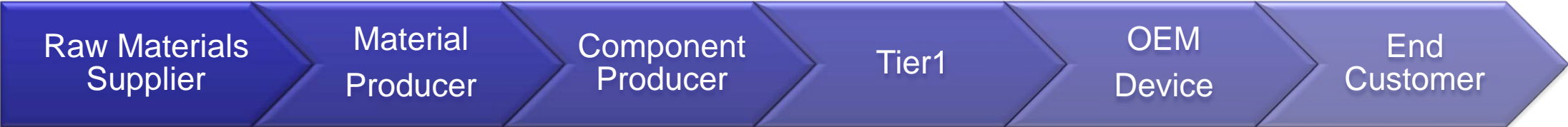
+ *Low weight*  
*Low fuel consumption*



# Building **solutions** along the Value Chain



# Value Chain & Solutions



### Solution1.0

- Improved Yarn
- Joint Development
- Supply Agreements
- Technology Push

### Solution2.0

- Understand the needs of End Customer
- Identify potential contributions of Teijin to make a solution to their needs
- Align the Value Chain
- Create Market Pull
- Capture the value



[www.teijin.com](http://www.teijin.com)