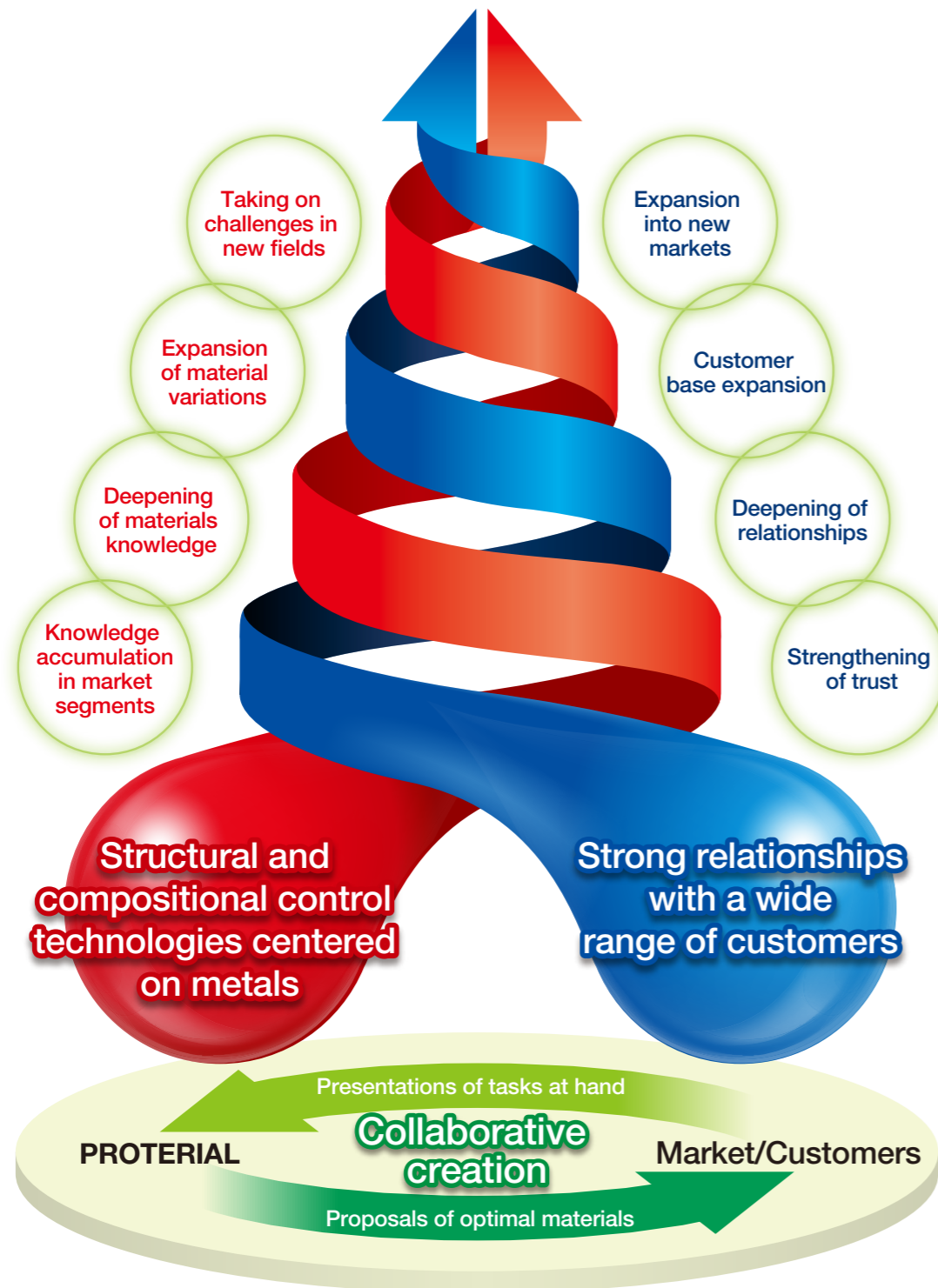


# Our Strengths

With its strengths lying in structural and compositional control technologies centered on metals and its strong relationships with a wide range of customers, Proterial has been providing products and services with high quality and functionality through collaborative creation with its customers. Continuing this cycle of collaborative creation will enable the accumulation of knowledge in market segments, the deepening of knowledge about materials, and expansion of material variations. In our relationships with our customers, we will also deepen our relationships of trust through the collaborative creation process. In this manner, as these two strengths develop in concert with their synergistic effects, there will be possibilities to take on challenges in new material fields, expand into new markets, and expand the customer base while Proterial continues to move forward and grow.



## Structural and compositional control technologies centered on metals

By continuing to refine our knowledge and technical capabilities in structural and compositional control technologies centered on metals, we are creating products that demonstrate the potential of materials to the fullest extent.

Thoroughly committed to quality, we stably supply high-quality, optimal materials that exceed customer expectations.

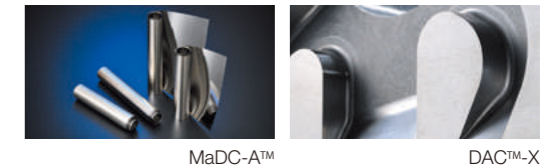
- By continuing to meet the needs of world-class customers in a wide range of industries, as a materials professional making proposals that comprise the diversity of product lines and materials we have acquired and a deep knowledge of our customers' industries.
- Developing highly functional, high-quality products by making full use of structural and compositional control technologies centered on metals, realizing mass production that maintains that high functionality and quality.

### Recent Major Award-winning Projects

- Oct. 2022 Manufacturing method for large, nickel-based alloy forged parts for aircraft engines receives Shimane Prefectural Governor's Award at 2022 Chugoku Regional Invention Awards
- Dec. 2022 New SLD™-f cold work die steel that offers good toughness and machinability receives Machinery and Robot Parts Award at 2022 Cho-Monozukuri Parts Grand Prize
- Jan. 2023 Fiber -optic warning system for contact wire wins Masuda Award of Grand Prize at the 65th of the Best 10 New Products
- May. 2023 Invention of a steel annealing method that does not utilize a furnace wins Asahi Shimbun Award at 2023 National Invention Awards

### Examples of Recent Major Product Developments

- Developed MaDC-A™ by applying magnetic domain control technology to the Fe-based amorphous alloy Metglas®. Having a high flux density and approximately 25% lower core loss than conventional products, MaDC-A™ contributes to the higher efficiency of distribution transformers.
- Developed DAC™-X steel for die-casting molds. Achieved both high-temperature strength and toughness by combining an alloy design that brings out high-temperature strength with a structure control process according to the steel grade. In particular, DAC™-X displays excellent heat crack resistance, thereby contributing to improved productivity and quality.



## Strong relationships with a wide range of customers

We have engaged in business with top-class customers in a wide range of industries for many years. Ongoing strong relationships with customers leads to opportunities for the collaborative creation of new materials.

- Building relationships with customers in a wide range of industries by materials and components that can be applied and developed for various purposes and possessing product lines with top-class global market shares.
- Deepening mutual understanding with customers and building long-lasting relationships by continuing to create products that meet our customers' challenges.

### Main Business Partner Industries

Automobile manufacturing, automobile component manufacturing, mold manufacturing, aircraft manufacturing, industrial machinery, machine tools, home appliances and electronic equipment, communications, semiconductors, semiconductor equipment, IT equipment, steel, non-ferrous metals, construction, plant, electricity and gas businesses, rolling stock manufacturing, railway businesses, medical equipment, etc.

### Number of Business Partner Companies, etc.

We do business with more than 15,000 companies (FY2022 actual results) in approximately 70 countries and regions around the world.

● Product lines created as a result of our strengths



Supporting society, high-performance materials that help customers realize innovation (see page 7)