

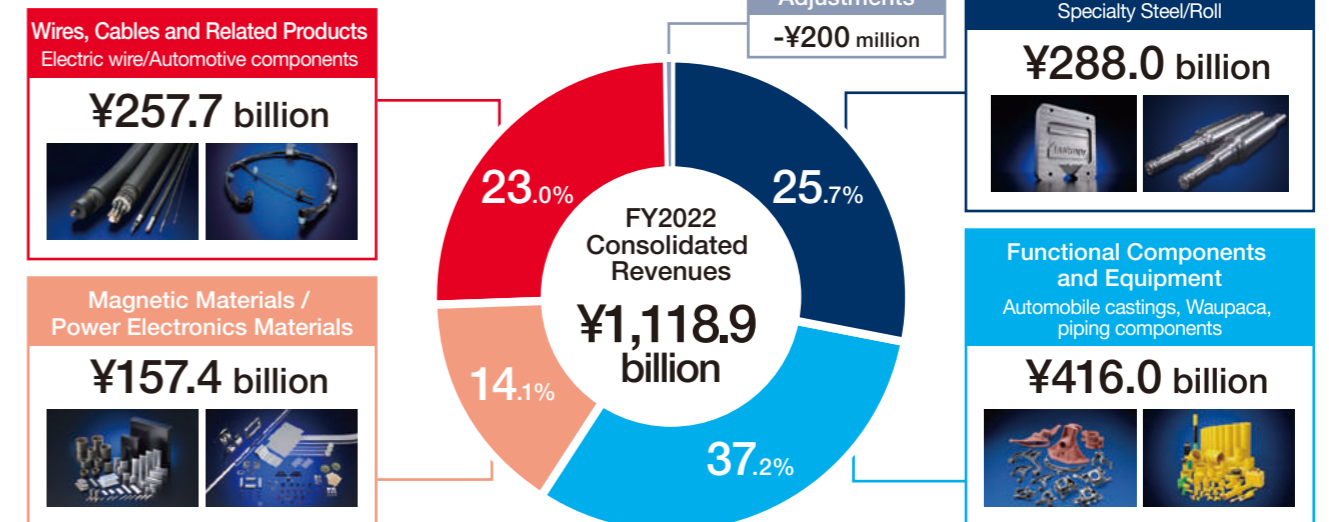
# Proterial's Businesses

The Proterial is a material manufacturer with highly competitive core technologies for high-performance materials. With the world's top brands in its portfolio, Proterial engages in a broad range of businesses in the markets related to industrial infrastructure, automobiles, and electronics.

Our business foundations are broad, and our business structure—always responsive to the wide-ranging needs of society with its blend of technologies—has been the driving force behind the Proterial's growth.

Industrial Infrastructure-related Segment	Automotive-related Segment	Electronics-related Segment
<p>Aircraft components, power generating equipment-related components, rolling stock components and other industrial equipment are all exposed to severe operating conditions. Our technologies, quality and product development capabilities, which were developed and proved over many years, have always been bringing innovation. We will continue to provide high-level reliability and innovation for infrastructure globally.</p>	<p>Proliferating eco cars and improving fuel economy and safety performance. We appropriately capture changes in environmental performance required for automobiles, thus relentlessly pursuing the evolution of all of our products. Ranging from drive motor components and exhaust system components to chassis components, we use our development and technological capabilities to support automobile manufacturing around the world.</p>	<p>The fields of video/IT equipment, home appliances, batteries and medical devices are constantly evolving. Encompassing the entire process, from prototypes to commercialization and mass production, our production system allows us to meet our customers' diverse needs. We will continue to support the growth of society at large with high-performance components and materials.</p>

## Revenues by Business Segment



## Proterial's Business Structure and Portfolio

Market segments		Industrial Infrastructure	Automobiles	Electronics
Specialty Steel Products	Specialty Steel Products	Turbine cases	Molds and tool steel, CVT belt materials, Clad metals, Lead frame materials	
	Rolls	Rolls for steel mills		
Functional Components and Equipment	Automotive Castings		Cast iron products, HERCUNITE™ heat-resistant cast components	
	Waupaca		Iron castings for transportation equipment	
	Piping Components	Pipe fittings for general use, Polyethylene gas piping systems		
Magnetic Materials and Applications/Power Electronics Materials	Magnetic Materials		NEOMAX® rare-earth magnets, NMF™ ferrite magnets	
	Power Electronics Materials	Metglas® amorphous metals		Silicon nitride substrates
Wires, Cables and Related Products	Electrical Wires and Cables	Electrical wire for rolling stock		Cables for industrial robots
	Automotive Components		Harnesses for electronic parking brakes	

## Global Deployment

