

# News Release

September 18, 2024  
Proterial, Ltd.

## Proterial to Exhibit its Products at InnoTrans 2024, the World-Leading Trade Fair for Railway Technology

Proterial, Ltd. (Koto-ku, Tokyo) will take part in InnoTrans 2024, known as one of the world's largest trade fairs for railway technology, which will take place between September 24 and 27, 2024, in Berlin, Germany. We will showcase our innovative products and technologies to drive advancement of the rail industry and contribute to global development in this field.



### 1. Background

Proterial has been engaged in the production of railway wires and cables over many years, developing a broad range of categories, such as cables for rolling stock and metro, contact wires, and signal cables. We command high market shares for many products, mainly in Japan. One of the recent highlights of our lineup is amorphous cores for motors with higher efficiency, a representative application of soft magnetic materials that are attracting growing attention for helping to reduce carbon emissions.

In the coming international trade show, we will introduce these and many other superior products and technologies that will play a key role in advancing the rail industry to many customers from Europe, the United States, and other regions. We hope that our offerings will be adopted by many companies around the world and used to contribute to the development of the industry.

### Proterial, Ltd.

Toyosu Prime Square, 5-6-36 Toyosu, Koto-ku, Tokyo 135-0061, Japan  
[www.proterial.com/e](http://www.proterial.com/e)

## 2. Products to be exhibited

### Contact Wire

- New Contact Wire GT-SNNS170
- Contact Wire with Built-in Abrasion Detection Line

### Rooftop High Voltage Cable

- High Voltage Cable & Rooftop High Voltage Cable Joint

### Motor Application

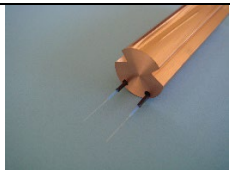




- Magnetic Slot Wedge
- FINEMET® Common Mode Choke Coils/Cores
- Laminated Amorphous Alloy
- Amorphous Alloy

### Cable for Rolling Stock and Metro

- Ethernet Cable for Rolling Stock RailNETSTAR
- Rolling Stock Cables for High-speed Rail and Metro
- EN Standard Rolling Stock Cables

### Auxiliary Power Supply for Railway Vehicles

- FINEMET® Low Core Loss Cut Cores F3CC Series
- NonCut Core FT-3TL for Medium Frequency Transformer

	Product	Feature	
(1)	Contact Wire	New contact wire designed for high-speed railway systems. Features abrasion detection function, improving the ease of maintenance. Also enables longer life, higher power supply efficiency, and reduced maintenance costs.	
(2)	Rooftop High Voltage Cable	Halogen-free, high-voltage cables and joints designed to reinforce environmental durability and reduce wind noise. Ensures reliable connections for high-speed railways.	
(3)	Cable for Rolling Stock and Metro	RailNETSTAR™, a next-generation ethernet communication cable engineered for rolling stock. Supports speeds up to 10 Gbps. Perfect for driverless trains and advanced monitoring systems.	
(4)	Low Core Loss Cut Core and Non-Cut Core for Railway Vehicles' Auxiliary Power Supply	Nanocrystalline soft magnetic material FINEMET®-based cut cores and non-cut cores, suitable for high-frequency transformers for auxiliary power supply in railway vehicles. Enables higher efficiency and reduced size and weight.	
(5)	Motor Application	Advanced amorphous alloy materials for motor cores. Enables lower iron loss, higher energy efficiency, and reduced motor thermal generation.	

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## 3. Overview of InnoTrans 2024

- (1) Period: Tuesday, September 24 to Friday, September 27, 2024
- (2) Venue: Berlin Exhibition Grounds (Germany)
- (3) Host: Messe Berlin
- (4) Website: <https://www.innotrans.de/>
- (5) Proterial's booth: #225, Hall #11.1
- (6) Event page: <https://www.proterial.com/e/event/2024/20240808.html>

Media Inquiries: Corporate Communications Dept.

[https://www.cntct.proterial.com/contact/publish/inquiry\\_eng?g=01&c=001-01](https://www.cntct.proterial.com/contact/publish/inquiry_eng?g=01&c=001-01)

Customer Inquiries: <https://www.proterial.com/e/contact/>

RailNETSTAR is a trademarks of Proterial, Ltd.

### ■ About PROTERIAL

# PROTERIAL

“Proterial” reflects the essence of our corporate philosophy, which consists of three elements: Mission: “Make the best quality available to everyone;” Vision: “Leading sustainability by high performance;” and Values: “Unfaltering integrity” and “United by respect.” It combines “**pro-**” with the word “**material**.”

“Pro-” represents our “three pros”:

- **Professional — work that exceeds expectations**
- **Progressive — a spirit that keeps challenging**
- **Proactive — an enterprising attitude**

“Material” refers to the high-performance materials that our original technologies produce and underpinned by the three pros. With our focus on solving customer issues and bringing new levels of value, we promise to contribute to the realization of a sustainable society through the products and services that embody our philosophy.

### ■ Proterial, Ltd. — Company Overview

Established: April 1956

Head office: Toyosu Prime Square, 5-6-36 Toyosu, Koto-ku, Tokyo 135-0061, Japan

Capital: 310 million yen (as of March 31, 2024)

Representative: Sean M. Stack

Representative Director, Chairman, President and Chief Executive Officer (CEO)

Sales revenue: 1,033.2 billion yen (Term ended March 2024)

History: 1910: Founded as Tobata Foundry Co.

1937: Merged with Hitachi, Ltd.

1956: Established separately as Hitachi Metals Industries, Ltd.

2023: Company separated from the Hitachi Group, and renamed from Hitachi Metals, Ltd. to Proterial, Ltd.

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