

News Release

June 11, 2025
Proterial, Ltd.

Proterial to Exhibit its Products at the 55th Paris Air Show, 2025

Proterial, Ltd. (hereinafter, “Proterial”) will exhibit its products at the 55th Paris Air Show at the Le Bourget Airport that will be held in a suburb of Paris, France from June 16 to June 22, 2025. The Paris Air Show is held every other year, alternating with the Farnborough International Airshow that takes place in Farnborough, England. It is one of the world’s largest international exhibitions for aviation and aerospace devices, and celebrates its 55th anniversary this year. Proterial exhibits its products designed for aircraft engines and turbine generators, as a member of the Society of Japanese Aerospace Companies (SJAC), at its booth (CD-63, HALL 4).



Booth Conceptual Rendering

1. Background and overview

Proterial regards the aviation field as one of its core growing businesses.

At this coming Paris Air Show, it exhibits low-pressure turbine (LPT) shaft*¹ in nickel alloys designed for aircraft engines produced by applying a near-net shape*² manufacturing technique. To showcase its ability to manufacture large-size components required in large aircraft engines and microstructure control capabilities, it also exhibits a blade in titanium alloys designed for turbine generators produced by Japan Aeroforge Ltd., a company partly financed by Proterial, using the 50,000-ton hydraulic forging press, one of the largest in the world.

Proterial participates in the exhibition to showcase its advanced metallurgical technologies and manufacturing techniques, which should enhance its presence in the global market and help develop the aviation industry further.

2. Products to be exhibited

(1) LPT shaft

- (i) Use application: Regional jets*³
- (ii) Materials: Nickel-base alloys

Proterial, Ltd.

Toyosu Prime Square, 5-6-36 Toyosu, Koto-ku, Tokyo 135-0061, Japan
www.proterial.com/e

- (iii) Features: Produced by applying a near-net shape manufacturing technique
- (iv) Manufacturing sites: Okegawa Works

(2) Blade in titanium alloys

- (i) Use application: Last stage blade used in turbine generators
- (ii) Materials: Titanium alloys
- (iii) Features: Supports large-size components
Proterial's microstructure control capabilities and the use of the 50,000-ton hydraulic forging press makes forging with less heating possible
- (iv) Manufacturing sites: Yasugi Works and Japan Aeroforge, Ltd



Blade in titanium alloys (the image is for illustrative purposes only)

3. Overview of the 55th Paris Air Show, 2025

- (1) Date: Monday, June 16, 2025 to Sunday, June 22, 2025
 - * From June 16 to June 19: Trade days reserved exclusively for professionals
 - * From June 20 to June 22: Open to the general public
- (2) Venue: Le Bourget Airport located in a suburb of Paris, France
- (3) Organizer: Salon International de l'Aeronautique et de l'Espace (SIAE)
- (4) Participating companies: 2,498 (2023 Results)
- (5) Visitors: Approx. 300,000 (2023 Results)
- (6) Official website: <https://www.siae.fr/en/>
- (7) Proterial Booth: HALL 4 CD-63

Media Inquiries: Corporate Communications Dept.

https://www.cntct.proterial.com/contact/publish/inquiry_eng?g=01&c=001-01

Customer Inquiries: https://www.cntct.proterial.com/contact/publish/inquiry_eng?g=01&c=004

Notes:

- *1: Near-net shape
Forming to a shape close to the final product.
- *2: Low pressure turbine (LPT) shaft
A component that makes up an aircraft jet engine. Used at the rear of the jet engine and exposed to burnt gases, it requires extreme heat resistance.
- *3: Regional jets
A small jet passenger aircraft with fewer than 100 seats.

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■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: “Unflinching 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.

Proterial is a participant of the United Nations Global Compact and adheres to its principles-based approach to responsible business.
In January 2025, Proterial received a Silver rating in the EcoVadis Sustainability Assessment.

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