PTC INDUSTRIES LIMITED
Advanced Manufacturing & Technology Centre
NH 25A, Sarai Shahjadi, Lucknow 227101

Aerolloy Technologies Commissions State-of-the-Art Vacuum Arc Remelting (VAR) Furnace for Large Titanium Castings

Investor Highlights

- **Global rarity:** With the commissioning of its large *Vacuum Arc Remelting (VAR) furnace*, Aerolloy becomes **one of only two companies** in the world with the capability to manufacture **large investment castings in both Titanium alloys and Superalloys**.
- **Strategic applications:** Large Titanium and Superalloy castings are critical for **aeroengines (Fan Hub Frames, Intermediate Casings, Turbine Rear Frames)**, **industrial gas turbines**, and advanced **aerospace, defence, space, and strategic platforms** including submarines, aircraft, ultra-light artillery systems like the M777 ULH, and strategic defence systems.
- **Market opportunity:** The **global aerospace-grade Titanium and Superalloy Casting market is in billions of dollars annually**. Both are projected to grow strongly with rising aerospace and defence demand.
- **Integrated advantage:** PTC and Aerolloy now provide one of the most **integrated supply chains globally**—from alloys and materials to large near-net-shape precision castings—creating efficiency, supply chain security, and long-term growth potential.
- **National Significance:** Strengthens India's **self-reliance and export potential** in high-performance aerospace materials, reducing dependency on imported strategic inputs.

Lucknow, India – September 18, 2025: Aerolloy Technologies Limited, a wholly owned subsidiary of PTC Industries Limited and a manufacturer of high-precision metal components and materials for critical aerospace and defence applications, today announced the successful installation and commissioning of its **state-of-the-art Vacuum Arc Remelting (VAR) 400 Furnace** at the **Aerospace Precision Castings Plant** within the **Strategic Materials Technology Complex (SMTC)** in Lucknow Node of the UP Defence Industrial Corridor.

With this commissioning, **Aerolloy now has the capability to manufacture some of the largest Titanium castings in the world**. This specialised capability is critical for next-generation aeroengines and defence platforms and is held by only a very limited number of companies worldwide.

Speaking at this occasion Mr. Sachin Agarwal, Chairman and Managing Director of PTC Industries, said: *"The commissioning of the large Vacuum Arc Remelting furnace is a strategic milestone for Aerolloy and PTC Industries. With this facility, Aerolloy can now manufacture* ***large Titanium castings required for the most demanding civil and military aeroengine applications****, as well as for advanced defence and space platforms.*

*Importantly, following the recent commissioning of our **large Vacuum Induction Melting (VIM) furnace for Superalloy castings**, Aerolloy has become **one of the two companies in the world** with the ability to manufacture large investment castings in **both Titanium alloys and Superalloys**.*

*These castings are vital for components such as **Fan Hub Frames and Intermediate Casings** in Titanium alloys and **Turbine Rear Frames** in Superalloys, which are indispensable in aeroengines and industrial gas turbines. Beyond aeroengines, large Titanium castings are used extensively in **aircraft, submarines, ultra-light artillery systems like the M777 ULH, strategic defence systems, and space applications**.*

This positions Aerolloy uniquely to expand its role in the global aerospace supply chain and reduce India's reliance on imported critical castings."

Strategic and Market Impact

The commissioning of the VAR furnace further strengthens Aerolloy's strategy of building **globally rare and highly integrated capabilities**. Combined with the VIM facility, Aerolloy and PTC now cover the complete chain—from **Titanium alloy and superalloy materials to some of the largest investment castings** for the most demanding applications.

This integration is expected to create **efficiency, cost competitiveness, and supply chain resilience** for global customers, while significantly enhancing India's aerospace and defence ecosystem.

With global demand for advanced Titanium and Superalloy materials expanding rapidly, Aerolloy is well positioned to capture opportunities in both domestic and international markets, aligning growth with the strategic objectives of supply chain security and technological self-reliance.

Global demand for aerospace-grade Titanium and Superalloys is growing rapidly, driven by advancements in commercial aviation, space exploration, and defence programs. This VAR commissioning positions Aerolloy to capture a significant share of these opportunities in both domestic and international markets, while aligning this growth with the strategic objectives of supply chain security and technological self-reliance.

About PTC Industries Limited:

PTC Industries Limited is a leading Indian manufacturer of precision metal components for critical applications for over 60 years. Through its wholly owned subsidiary Aerolloy Technologies Limited, the company is manufacturing and supplying Titanium and Superalloy castings for Aerospace and Defence applications within India as well as for exports. The company is substantially expanding its capability by making a multi-million-dollar investment in a new state-of-the-art manufacturing facility at its 50 acres land in the Lucknow node of the Uttar Pradesh Defence Industrial Corridor. This facility will house a fully vertically integrated plant with a Titanium and Superalloy Mill, producing aerospace grade ingots, billets, bars, plates and sheets in critical and strategic materials.

For more information, please contact:

PTC Industries Limited	**Ernst & Young LLP**
Smita Agarwal, Director & CFO	Vikash Verma / Abhishek Bhatt
www.ptcil.com	vikash.verma1@in.ey.com / abhishek.bhatt3@in.ey.com