PTC INDUSTRIES LIMITED
Advanced Manufacturing & Technology Centre
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Aerolloy Technologies Commissions Advanced Vacuum Induction Melting (VIM) Facility for Superalloy Materials and Large Investment Castings

Key Highlights:

- ***World-class capability:*** *Aerolloy now has the capability to manufacture the* ***largest superalloy investment castings in the world****, a highly specialised capability possessed by only a very limited number of companies globally.*
- ***Market Opportunity:*** *The* ***global superalloy market exceeds USD 15 billion annually*** *and is growing strongly, driven by demand in aerospace, defence, space, and industrial gas turbine sectors.*
- ***Strategic Integration:*** *PTC and Aerolloy are now among the very few companies globally with a* ***fully integrated supply chain;*** *from alloy and material production to near-net-shape precision castings.*
- ***Import Substitution and Growth:*** *Strengthens India's* ***self-reliance in critical aerospace and defence materials****, reduces dependence on imports and positions Aerolloy to expand in both domestic and global markets.*

Lucknow, India 02 September 2025: *Aerolloy Technologies Limited*, a wholly owned subsidiary of PTC Industries Limited and a manufacturer of high-precision metal components and materials for critical and super-critical applications, today announced the successful installation and commissioning of its state-of-the-art *Vacuum Induction Melting (VIM)* furnace and advanced manufacturing facilities for superalloys.

With this development, **Aerolloy now has the capability to manufacture the largest superalloy investment castings in the world, a highly specialised capability possessed by only a very limited number of companies globally.** The facility will also produce superalloy ingots and cast sticks for downstream aerospace and defence applications.

The commissioning of this facility represents a **significant expansion of Aerolloy's manufacturing base and a major leap in India's indigenous capability.** Superalloys are indispensable in high-temperature and high-stress environments such as aero-engines, industrial gas turbines, space propulsion, and defence systems. These new capabilities not only strengthen Aerolloy's role in supplying critical components to these industries but also position the company to capture a greater share of the rapidly expanding global superalloy market.

Speaking on the development, Mr. Sachin Agarwal, Chairman & Managing Director, PTC Industries, said: *"The commissioning of this facility is a strategic milestone for Aerolloy and PTC Industries. It brings two world-class manufacturing capabilities into our fold.*

First, the ability to manufacture the ***largest precision superalloy investment castings in the world****, a capability vital for aero-engines, IGTs and space applications. Second, the capacity to produce a broad range of Nickel and Cobalt based superalloy materials, including alloys required for single-crystal applications.*

These capabilities place Aerolloy in a very select global league and more importantly, enable us to address new market segments, expand our customer base, and reduce India's reliance on imports of these critical materials."

Strategic and Market Impact

The addition of the VIM furnace and related facilities makes Aerolloy one of the most unique companies globally with a **fully integrated supply chain**; from producing input alloys and materials to delivering near-net-shape precision castings. This integration is expected to drive **efficiency, cost competitiveness, and stronger customer partnerships.**

The timing of this expansion coincides with **rapidly increasing worldwide demand** for high-performance superalloys, particularly in next-generation aircraft engines, industrial gas turbines, and space propulsion systems. **The global market for superalloys is estimated to exceed USD 15 billion annually and continues to grow at a strong pace,** providing Aerolloy with significant opportunities to participate in and benefit from this expansion.

By adding these capabilities, Aerolloy significantly enhances its ability to compete in these growth markets both domestically and internationally, while also strengthening India's position within the global aerospace and defence supply chain.

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:

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