

Laying the Foundation for India's Strategic Materials Leadership: A Historic Leap Towards Aatmanirbharta in Aerospace and Defence Manufacturing

Lucknow, India, 14 May 2025: On 11th May 2025, the Honourable Raksha Mantri, Shri Rajnath Singh, and the Honourable Chief Minister of Uttar Pradesh, Shri Yogi Adityanath inaugurated the **Titanium & Superalloy Materials Plant** and laid the foundation stones for **six additional strategic projects** of **Aerolloy Technologies Limited**, a wholly owned subsidiary of PTC Industries Limited, at the Lucknow node of the Uttar Pradesh Defence Industrial Corridor (UPDIC).

The **Titanium & Superalloy Materials Plant** is designed to be one of the **world's largest single-site titanium remelting facilities**. It is equipped with advanced technologies including **Vacuum Arc Remelting (VAR)**, **Electron Beam Cold Hearth Refining (EBCHR)**, **Plasma Arc Melting (PAM)**, and **Vacuum Induction Melting (VIM)**. The facility will significantly enhance India's strategic self-reliance in aerospace-grade materials and reduce dependence on critical imports.



Foundation stones were also laid for the following six facilities that collectively form India's first **Strategic Materials Technology Complex**:

1. Aerospace Precision Castings Plant

A high-integrity precision casting unit capable of producing complex components for jet engines, airframes, and critical defence systems, including Single Crystal and Directionally Solidified castings for aero-engines.



2. Aerospace Forge Shop and Mill Products Plant

A fully integrated facility for forging and rolling Titanium and Superalloy billets, bars, rods, plates, and wrought forms critical for airframes, engines, and structural applications.

3. Aerospace Precision Machining Shop

An advanced CNC machining centre for aerospace components including blades, vanes, and structural parts, enabling the delivery of ready-to-assemble components to global standards.

4. Strategic Powder Metallurgy Facility

A state-of-the-art plant for producing spherical metal powders for Additive Manufacturing (3D printing), vital for advanced defence platforms, enabling next-generation manufacturing for missiles, UAVS, and hypersonics and aerospace systems.

5. STriDE Academy – Specialised Training for Industrial Development and Excellence

A national skilling initiative to train engineers, technicians, and operators in aerospace manufacturing processes including CNC machining, Robotics, titanium and superalloy welding, mechatronics, vacuum systems, and aerospace quality systems.

6. PTC R&D Centre

A dedicated centre for research and innovation in new alloys, process improvements, and material behaviour under extreme conditions

These initiatives represent a defining moment in India's journey toward Aatmanirbhar Bharat and achieving **Parity with the best in the world** - not only in industrial capability but also in confidence and global competitiveness. With these projects, PTC Industries reaffirms its commitment to building enduring national capacity in strategic materials and advanced manufacturing.

Speaking at the occasion, the **Honourable Defence Minister, Shri Rajnath Singh, congratulated Mr. Sachin Agarwal**, Chairman and Managing Director of PTC Industries, and said: *"We are not merely inaugurating a plant today - we are securing the strategic future of India. I congratulate Shri Sachin Agarwal for this achievement."*

The **Honourable Chief Minister of Uttar Pradesh, Yogi Adityanath**, expressed his appreciation and said: *"It is heartening to see such a world-class facility taking shape in Uttar Pradesh. This is a true example*



of how industry, infrastructure, and innovation are coming together to make UP a hub of defence manufacturing for Aatmanirbhar Bharat.”

On behalf of PTC Industries, **Mr. Sachin Agarwal, Chairman and Managing Director**, said: *“This is not just an industrial complex — it is a national commitment. Our mission is to ensure that India never has to depend on others for critical technologies, and this is a decisive step in that direction.”*

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 Aerospace castings capability by making a multi-million-dollar investment in a new state-of-the-art manufacturing facility at the newly acquired 50 acres land in the Lucknow node of the Uttar Pradesh Defence Industrial Corridor. This facility will be a fully vertically integrated with a Titanium and Superalloy Mill, producing aerospace grade ingots, billets, bars, plates and sheets in these critical and strategic materials.

For more information, please contact:

PTC Industries Limited

Smita Agarwal, Director & CFO

www.ptcil.com

Ernst & Young LLP

Vikash Verma / Abhishek Bhatt

vikash.verma1@in.ey.com / abhishek.bhatt3@in.ey.com

DISCLAIMER:

Certain statements in this document that are not historical facts are forward-looking statements. Such forward-looking statements are subject to certain risks and uncertainties like government actions, local, political, or economic developments, industry risks, and many other factors that could cause actual results to differ materially from those contemplated by the relevant forward-looking statements. PTC Industries will not be responsible for any action taken based on such statements and undertakes no obligation to publicly update these forward-looking statements to reflect subsequent events or circumstances.

