

Date: May 30, 2024

To,
National Stock Exchange of India Limited
Exchange Plaza, C-1, Block G Bandra Kurla
Complex, Bandra (E),
Mumbai-400051

To
BSE Limited
Department of Corporate Services - Listing
Phiroze Jeejeebhoy Towers, Dalal Street,
Mumbai – 400001

SYMBOL: PTCIL

BSE Code: 539006

Dear Sir/Madam,

Sub: Disclosure under Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements), Regulations 2015 – Investor Presentation

Pursuant to Regulation 30(6) read with Part A of Schedule III of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015, please find enclosed a copy of the Investor Presentation.

This is for your information and records.

Thanking you.

Yours Faithfully,
For **PTC Industries Limited**

Pragati Gupta Agrawal
Company Secretary and Compliance Officer

Place: Lucknow

Encl: As above



PTC Industries Limited

TOWARDS PARITY

INVESTOR PRESENTATION
Q4 & FY24

- This presentation and the following discussion may contain “forward looking statements” by PTC Industries Limited (“PTC” or the Company) that are not historical in nature. These forward-looking statements, which may include statements relating to future results of operations, financial condition, business prospects, plans and objectives, are based on the current beliefs, assumptions, expectations, estimates, and projections of the management of PTC about the business, industry and markets in which PTC operates.
- These statements are not guarantees of future performance, and are subject to known and unknown risks, uncertainties, and other factors, some of which are beyond PTC’s control and difficult to predict, that could cause actual results, performance or achievements to differ materially from those in the forward-looking statements.
- Such statements are not, and should not be construed, as a representation as to future performance or achievements of PTC. In particular, such statements should not be regarded as a projection of future performance of PTC. It should be noted that the actual performance or achievements of PTC may vary significantly from such statements.

Company Overview



For the detailed Investor Presentation, please visit the Link below
[*PTCIL Investor Presentation June 2023*](#)

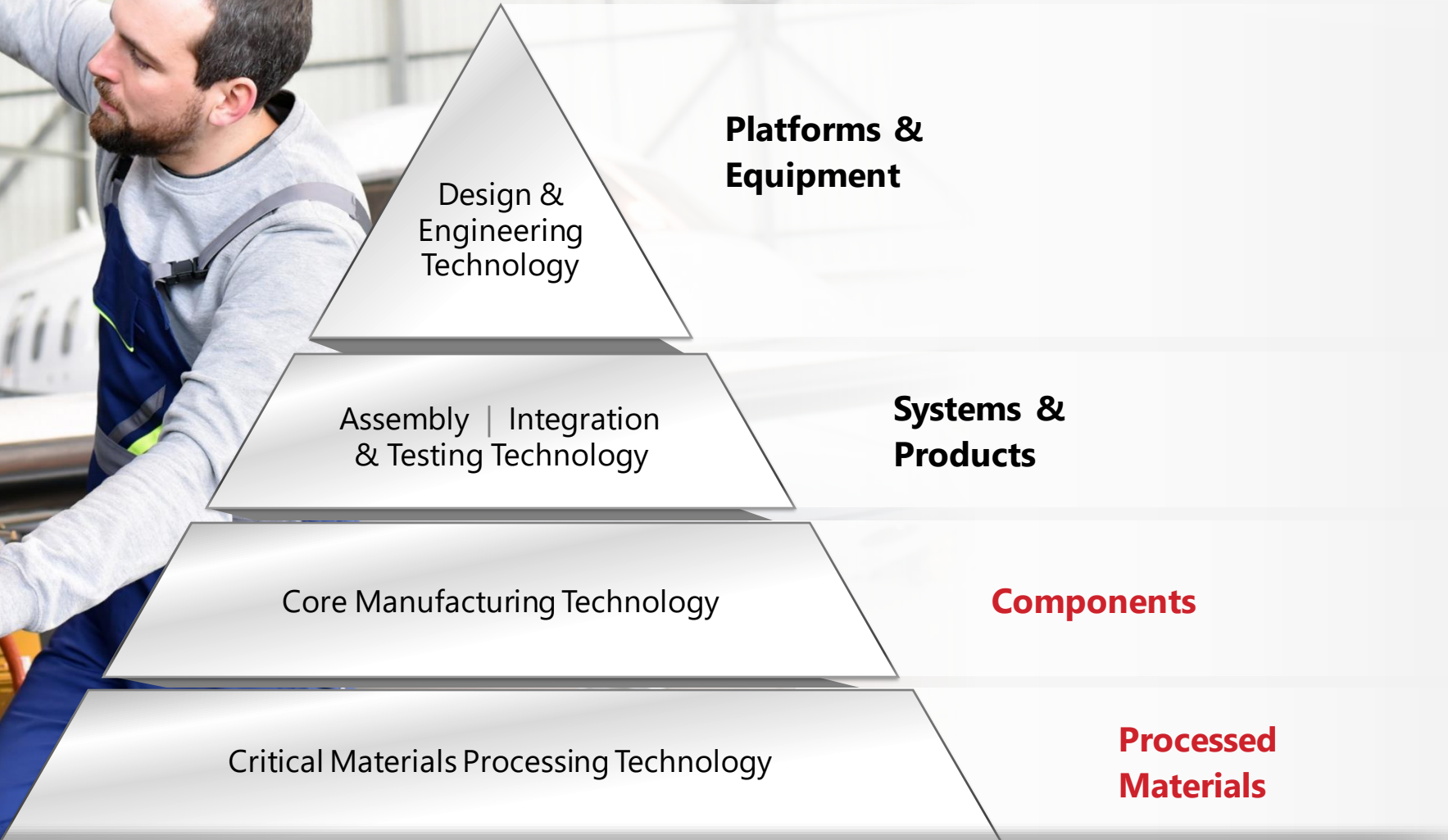
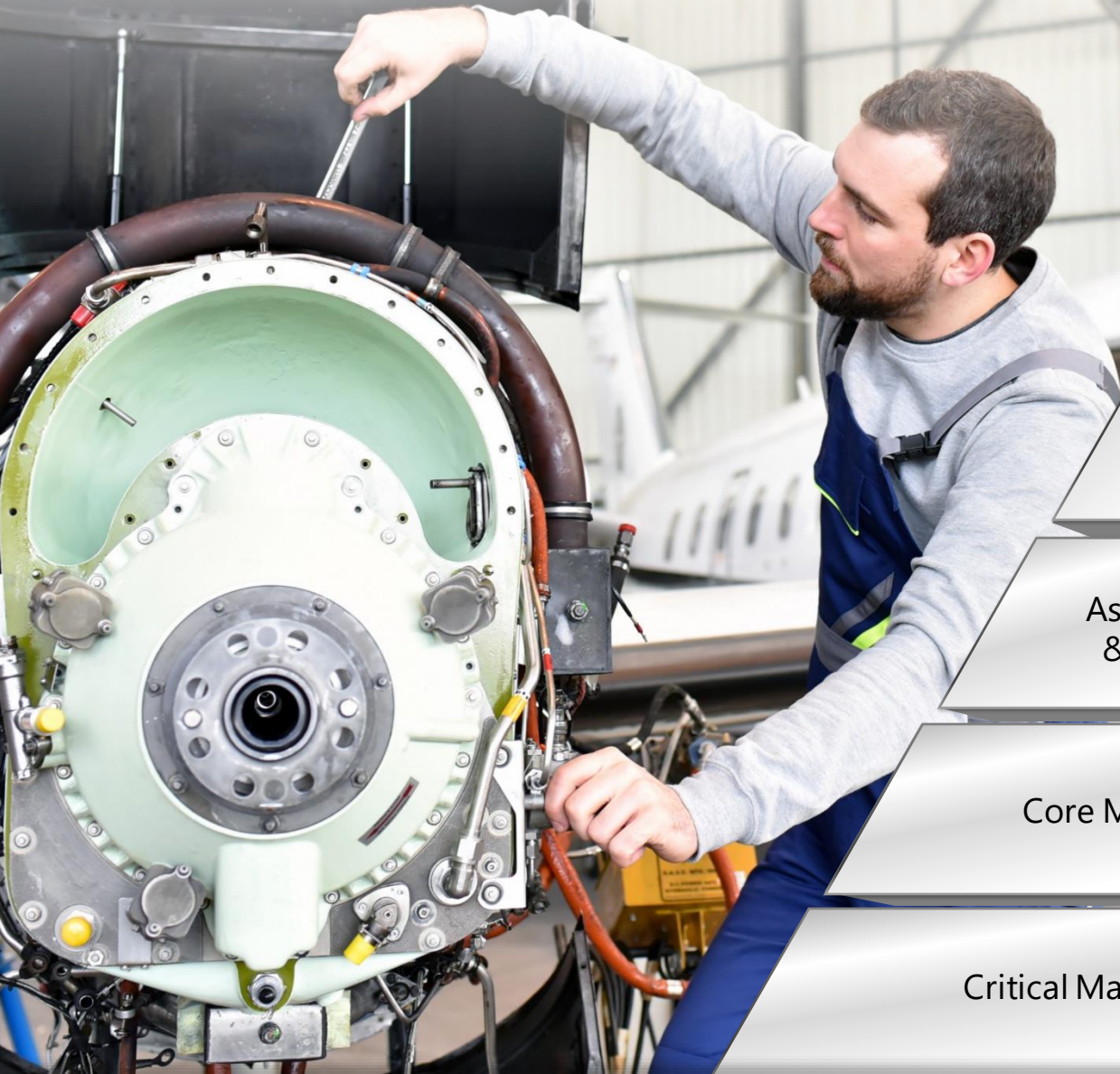
Towards Parity

श्रेयो हि वृणीते प्रेयो वृणीते।
श्रेयो हि धीरोऽभिप्रेयसो वृणीते ॥ – Taittiriya Upanishad

*Indeed, the wise one chooses the good (Shreyas) over the easy (Preyas).
The intelligent one chooses the good, but the undiscerning one chooses the easy.*

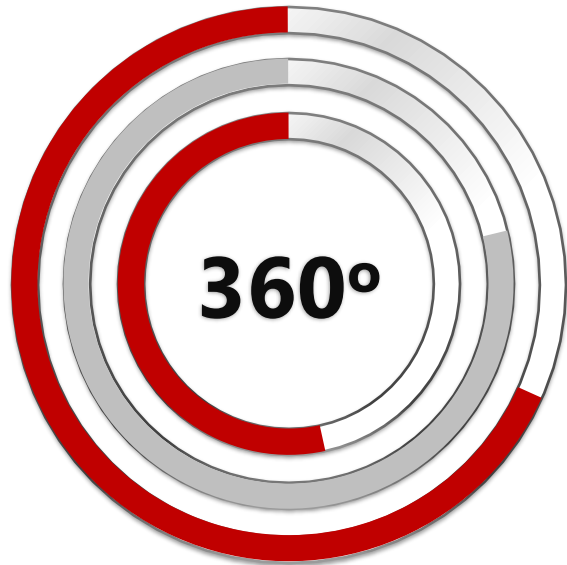
Therefore, It Is Our Dharma To Work
Towards Building Equality In Respect of
**Capability, Technology,
Skill, Workmanship, Talent,
Knowledge, Quality,
Productivity, Efficiency, & Sustainability**
in the country to allow us to become a
nation that is at par with the world.

The **Technology** Pyramid



Platform Independent Core Manufacturing Technologies

Established Capabilities to Cater to entire Spectrum of A&D Sector



Civil Aviation

- Torque tubes
- airframe structural
- engine mounts
- turbine frames
- engine liners
- swirlers and injectors



Air Defence

- Airframe Structures
- Intermediate casings
- Bearing Housings
- Re-fuelling nozzles
- Turbine oil-tanks
- Engine Gearboxes



Land Defence

- Suspension arms
- Muzzle Brakes
- Lightweight artillery structures
- Armour Protection



Naval Defence

- Pump components
- valves
- on-line fittings
- radar structures
- propellers and propulsion components



Space

- Propellant tanks
- Propulsion nozzles
- bulkheads
- liquid fuel pump casings and impellers
- lightweight structures



Aero Engines

- Turbine frames
- blades, buckets and vanes
- bearing housings
- inlet and outlet structures



Strategic Systems

- Propellant tanks
- Propulsion nozzles
- bulkheads
- Pressure bottles
- lightweight structural

Journey Towards Building PTC - Innovations & Technological Capabilities



India's 1st Technology & Innovation Focused Foundry

1963-1980

Establishment of a benchmark of quality
In-house R&D: Commitment to technology & innovation
Indigenizing Technology: Import Substitution in India



Building Customers & Going Global

1980-2000

Established Global Footprint with long lineage
Cemented relationships with customers
Export Awards: Dhatu Nayak Award, Best Exporter Award



Technological Evolution

2000-2010

Developed in-house technologies: Replaced traditional casting methods with Replicast, RapidCast, Printcast & forgeCAST technologies
Introduced Robotics & Automation
Set up a new Facility at Mehsana, Gujarat



Being Future Ready

2010-2024

Established AMTC Plant
Pioneer in bringing Titanium Castings manufacturing to India
Incorporated Aerolloy Technologies: to capitalize on opportunities in the Defence & Aerospace segment
Setting up Ingot manufacturing from recycled Titanium capability in India
Joined hands with marquee players in Defence & Aerospace segment
Raksha Mantri Excellence award for Indigenisation

Our team: **Strong pillars for the Company**

**MBA in Operations -
University of Tulsa,
Oklahoma & M. Sc in
Finance - Boston
College, Massachusetts**

**Industry
Experience
of 25+ years**

**Responsible for
new technologies
& continuous
R&D efforts**



Sachin Agarwal

Chairman & MD



Mr. Priya Ranjan Agarwal

Director, Marketing

Bachelor of Engineering
(Mechanical)

Industry Experience
of over 35+ years

Responsible for BD in key
infrastructure projects &
domestic marketing activities



Mr. Alok Agarwal

Director, Quality & Technical

B.E. in Metallurgy
from IIT, Kanpur

Industry Experience
of over 33+ years

Responsible for improving
quality standards in Plant &
obtaining various ISO &
quality certifications



Ms. Smita Agarwal

Director & CFO

Qualified CA & DISA (ICAI)
Industry Experience
of 20+ years

Led multiple strategic
financial initiatives in PTC
while implementing best
practices for good
governance and transparency



James Collins

Chief Technology Officer

Qualified Metallurgist with a
number of patents in his name
Industry Experience
of 15+ years

Leading technical expert in
field of Investment Casting,
Vacuum Melting, Single
Crystal & Directional casting
& Powder Metallurgy



Stephane Bras

Head of Sales - Europe

Master degree in
international Sales
Industry Experience
of 20+ years

Responsible for developing
the International Sales of the
group, and to manage
development projects.

Our Core Values

Our values define who we are, how we operate, and where we're headed. Our values are defined by the word ASPIRE, which stands for :



Agility

responding and adapting to changes quickly; learning new skills and responding to new requirements; executing work faster

Sustainability

taking responsibility for longevity; creating lasting value for our stakeholders; safeguarding the environment

Selflessness

seeking what is best for PTC; having no ego when searching for the best ideas; helping colleagues; sharing information openly and proactively.

Passion

inspiring others with own thirst for excellence; caring intensely about PTC's success; being tenacious

Prudence

making wise decisions; getting beyond treating symptoms and identifying root causes; thinking strategically.

Integrity

being known for honesty, candour, and directness; being straightforward, being quick to admit mistakes

Impact

accomplishing important work ; demonstrating consistently strong and reliable performance; focusing on results

Innovation

re-conceptualizing issues to discover practical solutions to difficult problems; challenging prevailing assumptions and suggesting better approaches; creating new ideas; staying nimble; minimizing complexity and simplifying.

Respect

treating people with respect independent of their status or disagreement; listening well to understand better; remaining calm in stressful situations; understanding and being considerate of the needs of others.

Endurance

rejecting the temptation to give up when things get tough; staying focused on executing work.

Aspire embodies in itself the path to our success and the aspiration to get there.

Certification




AS/EN 9100
Approved
since 2021



Safran Aircraft
Engines Approval &
Long-Term Purchase
Agreement

Honeywell

ATL Is an Approved
Supplier to Honeywell
after completion of
NSI Audit and
Compliance



MoU and
Long-Term Purchase
Agreement with
Dassault Aviation



ATL is an Approved
Supplier to
BAE Systems



ATL is an Approved
Supplier to Israel
Aerospace
Industries (IAI)

Our recognitions and achievements



Raksha Mantri's Award at #DefExpo2022

Long Term Purchase Agreement with SAFRAN AIRCRAFT ENGINES



Long Term Purchase Agreement with DASSAULT AVIATION



Aerolloy exhibited at Paris Air Show 2023



54th INTERNATIONAL PARIS AIR SHOW LE BOURGET JUNE 19-25, 2023

54^e SALON INTERNATIONAL DE L'AÉRONAUTIQUE & DE L'ESPACE PARIS - LE BOURGET 19-25, JUIN 2023

BAE Systems, PTC sign MoU for making M777 Howitzer parts
The first sub-systems will be made by end of 2022



On the basis of the gun, Indian suppliers which participate in the M777 programme can earn a role in the overall BAE Systems global supply chain through their performance.

"The production process at PTC Industries is being developed and qualified to deliver the long term support for the 145 M777s we are delivering to India," said Duncan Stevenson, the general manager of BAE Systems Weapon Systems UK, which manages the manufacture and assembly of the M777 light-weight Howitzers. "This agreement will allow BAE Systems and PTC Industries to jointly provide major structures to support the spare and repair programme required to keep the guns available for the Indian Army. It also ensures that the overall 'Make in India' content of the UJH is above 60%, which will allow the Government of India to procure any future platforms under a 'Make in India' acquisition requirement."

BAE Systems also has a 52-Calibre 155mm barrel for the UJH, which it is willing to manufacture in India, further expanding Indian artillery capability from this battle-proven system. This would make India the first customer to have a 155mm 52-calibre platform under 5,800kgs in weight.

UJH Ravi Nirgudkar, MS, MBA, MD at BAE Systems, India, Bangladesh, Sri Lanka; Sachin Agarwal, CMO, PTC Industries; Paul West, India Industrialisation director, BAE Systems and Bharat Sharma, Commissioning IWT Lead at BAE Systems

BAE Systems & PTC Industries have signed an agreement to manufacture titanium castings for the Indian 155mm M777 Ultralightweight Howitzer (ULH) at PTC Industries' production facility in Lucknow.

The agreement aims to produce the complex lightweight titanium castings, developing the tightly controlled fabrication process and ensuring the same parts can be manufactured in any future production of the M777 Howitzers for India. The first sub-systems will be produced by the end of 2022, and there is a plan to progress manufacture of all three of the major structures (Saddle, Cradle, and Lower Carriage) that form

UP to excel in aerospace, defence sectors: Rajnath
Opens First Pvt Manufacturing Unit In Corridor



Times News Network

Lucknow: Defence minister Rajnath Singh said on Saturday that more private companies will start investing in Lucknow and Uttar Pradesh, which will make a mark in defence and aerospace sector manufacturing.

After inaugurating the first private defence manufacturing facility in UP Defence Industrial Corridor, Singh said, "More companies will invest in Lucknow and UP, and the state will make a mark in defence and aerospace sector manufacturing." He also lauded CM Yogi Adityanath for important reforms and incentivizing investment.

"I believe more private companies will invest in IIP and the government will provide all support. This investment will ensure that people will not have to leave their homes in search of employment," Singh exhorted the industry to focus on research and development and make full use of government's policies to stay ahead in the race of developing state-of-the-art technology.

"I urge industry to make the local community a partner in their success by adopting TIL schools, hospitals and starting apprenticeship programmes," he said.

Defence minister Rajnath Singh inaugurating a defence manufacturing facility in Lucknow on Saturday

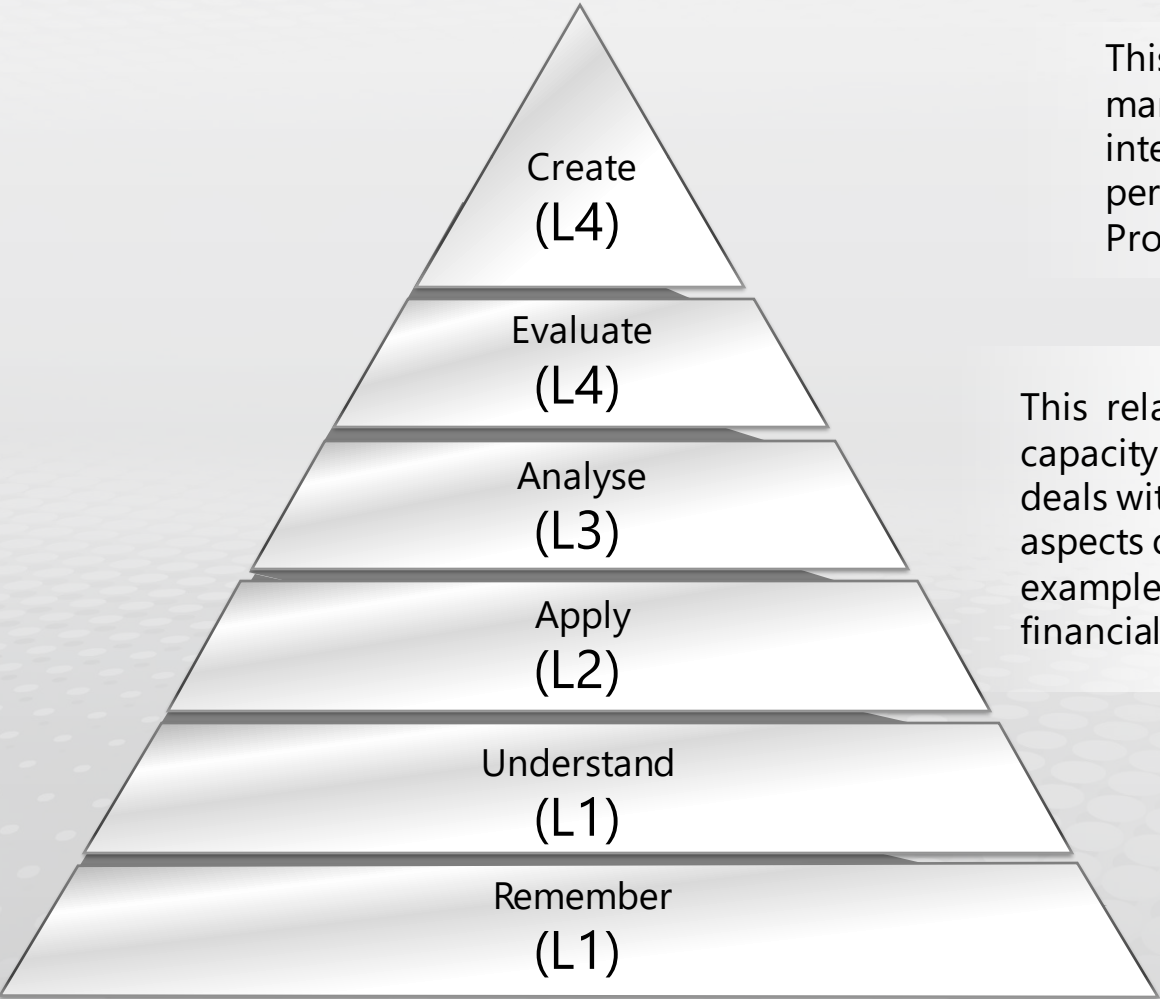
Technologies, a subsidiary of PTC Industries, will manufacture parts for aircraft and helicopter engines, drones, submarines, ultra-light artillery guns, space launch vehicles and strategy systems. Singh emphasized the need for continuous modernization of armed forces in the rapidly changing global security environment.

"The Indian defence industry has the potential to develop quality and cost-effective equipment which will bolster security and can be exported," he said.

Reaffirming the resolve of "Make in India and Make for the World", Singh listed the government's measures for self-reliance.

Our focus on **Human Resource Development**

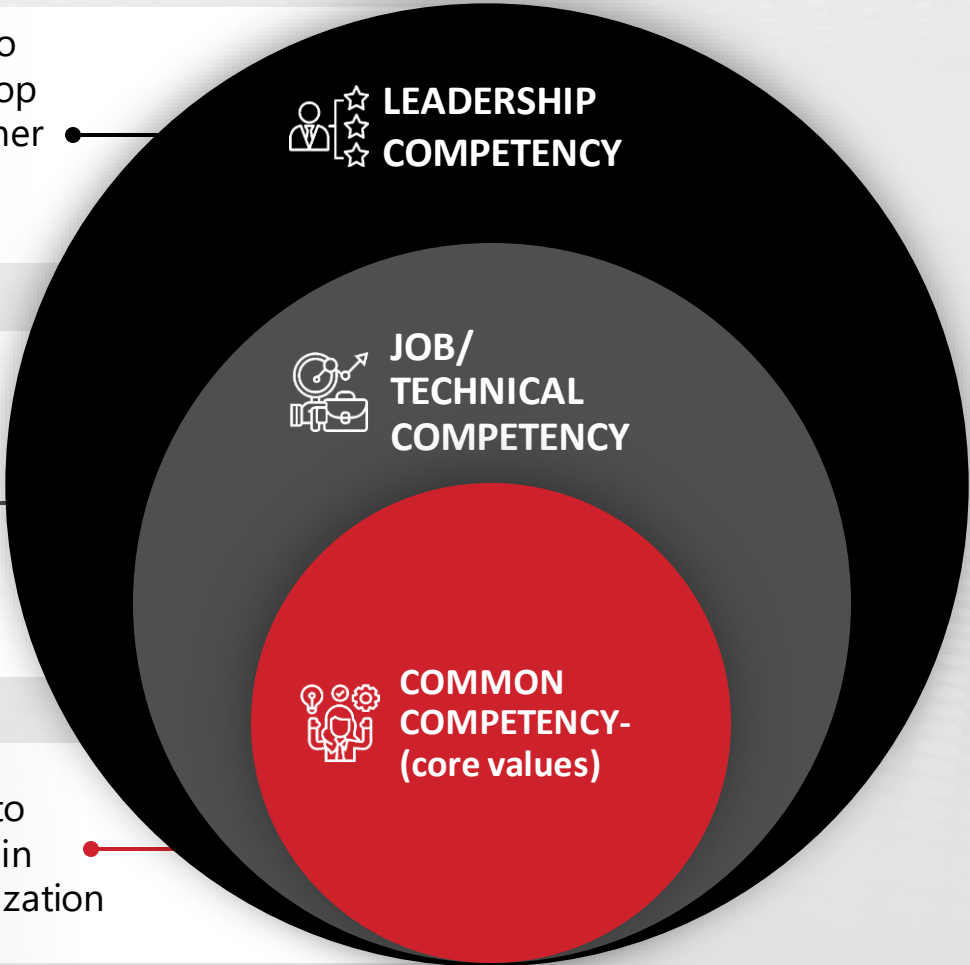
Training and Competency Development Framework.



This relates to ability to manage job and develop interaction with the other persons. For example- Problem solving.

This relates to functional capacity of work. It mainly deals with the technical aspects of the job. For example- market research, financial analysis etc.

Common to every one in the organization



Current & Future Renewable Energy Sources



PTC Industries and Aerolloy is committed to comply to Carbon footprint reduction and GHG protocols, in accordance with International standards, meeting the Paris Agreement targets

CURRENT



750kW Roof Top Solar (AMTC)

750kW Wind Turbine (Mehsana)

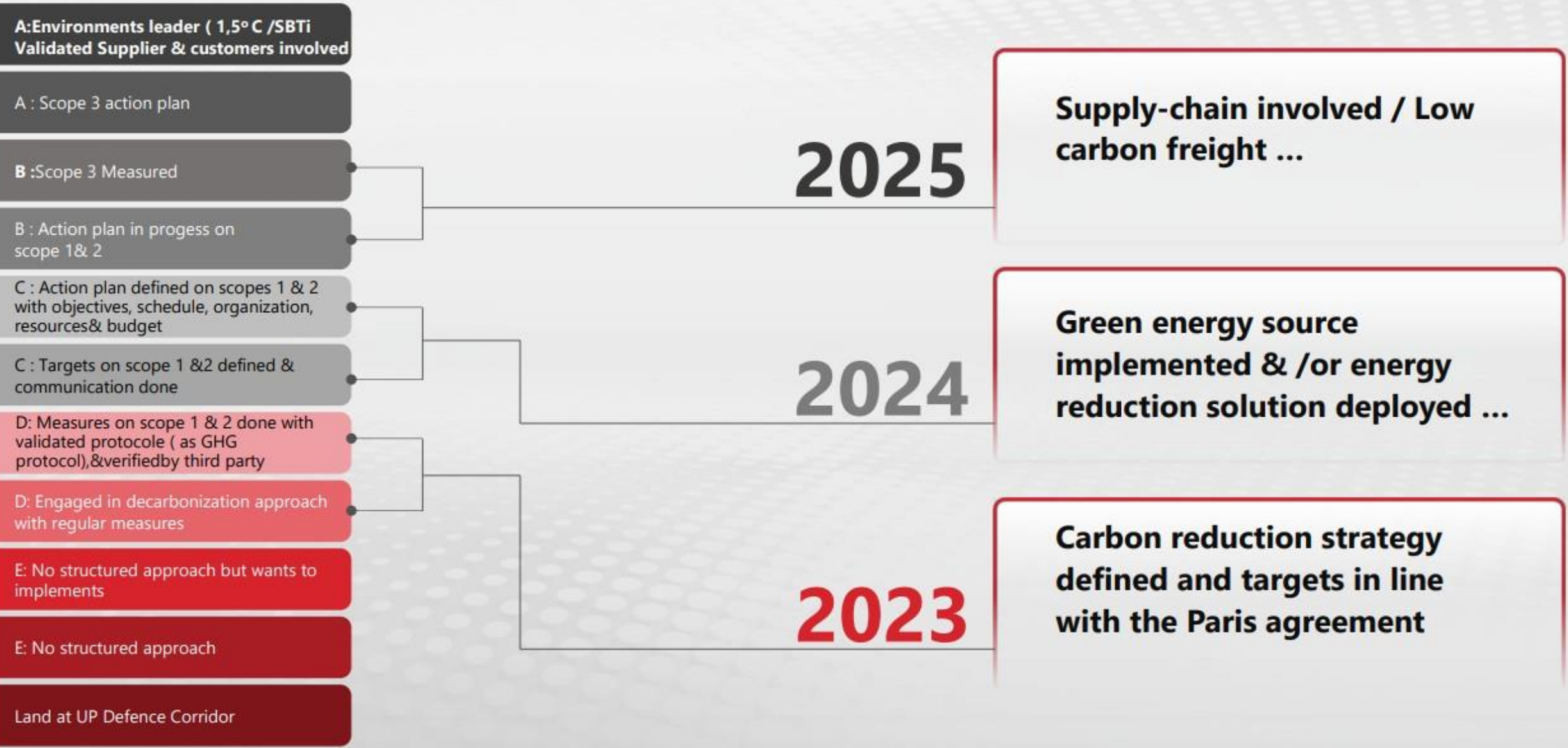
FUTURE



10-12MW Solar Plant (Aerolloy Metals)

>50% Energy consumption from renewable sources

Roadmap for Carbon Footprint



PTC & Aerolloy Technology Verticals



Air Melt Castings

Replicast,
Rapidcast,
Investment
Casting



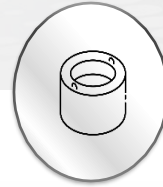
Machining & Assembly

CNC 5-Axis
Machines;
Assembly
shop



Titanium Castings

Investment
Casting;
VAR; HIP



Super Alloy Castings

Investment
Casting;
VIM; HIP



Controlled Microstructure

Investment
Casting; SX,
DS, EQ



Forging & Rolling Mill

Open Die
Forging;
Bar/Rod
Rolling Mill;
Sheet/Plate
Rolling Mill



Titanium Alloy Mill

VAR,
EBCHR,
PACHR;
Forging



Super Alloy Mill

Masteralloy
VIM, VAR;
Forging

INDUSTRIAL & DEFENCE CASTINGS GROUP



AEROSPACE CASTINGS GROUP



AEROSPACE MATERIALS GROUP



Technology – Rapidcast, Replicast, Investment Casting



RAPIDCAST

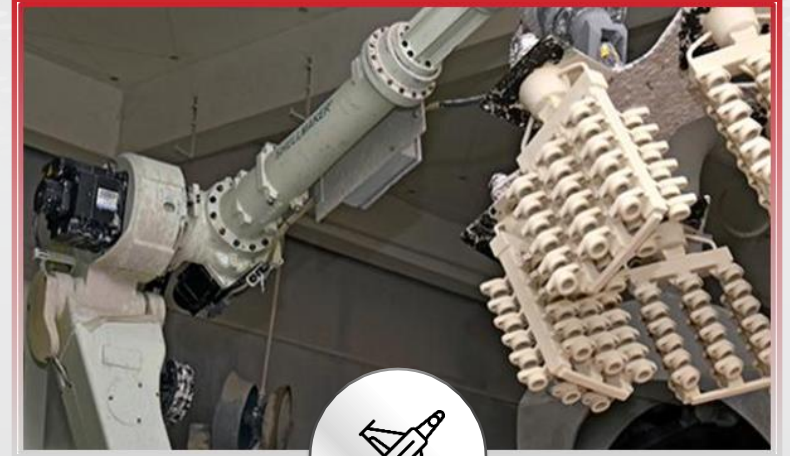
Quality – Value – Speed
up to **5,000 kgs** single piece

7-Axis CNC machining robots
to machine patterns



REPLICAST

Near net shape casting solutions
using ceramic shells with weight
range up to **2,500 kg**



INVESTMENT CASTING

Lost Wax Process for high-quality
high-integrity castings with ceramic
shelling in small sizes and larger
volumes

Technology – Ti Cast, Controlled Microstructure, ForgeCast



TICAST

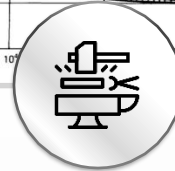
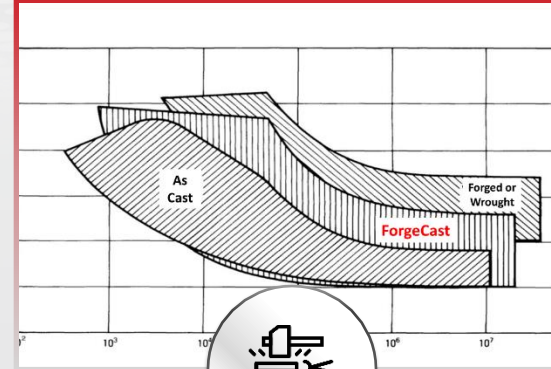
Vacuum melt casting
of Reactive alloys

Investment casting,
PrintCast, Replicast



**Controlled
Micro-Structure**

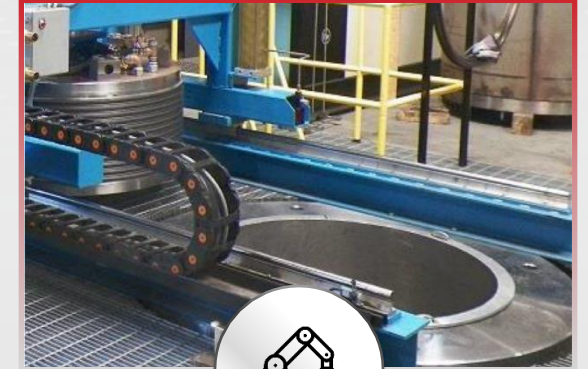
Microstructure controlled
castings (Single Crystals and
Directionally Solidified) for
Aero Engines



FORGECAST

Where castings and
forgings converge

Near net shape castings
with forging properties



**Hot Isostatic
Press (HIP)**

Used to eliminate pores
in metal components

A must technology for critical
components like Aerospace

New Aerospace **Castings Facility**



DIC Campus – **Aerospace Castings**

New Aerospace Castings facility of 15,000 sqm at the new 50 Acre land in the Lucknow Node of the UP Defence Industrial Corridor

Aerospace Castings Group – Future Capability & Additions

**3D Printed
(SLA) Pattern:** :
600X600X500 mm



Wax Injection Press:
1) 6 Tonne, 1000 cc,
350X350X350 mm;
2) 35 Tonne, 6500 cc,
750X750X750 mm



Robotic Shelling System:
Make: VA Tech; 1 Robot System;
Max Shell Dim: 600mm (dia)X
800mm (height)



Dewaxing AutoClave:
1200 mm (dia) X
1500mm (depth)



Flashfire Furnace:
1000X1000X1200 mm
(Pacific Kiln)



**Other major
Equipment available**



Chemical Milling:
1200X1200X1200 mm



Hot Isostatic Press:
Max Temp:
1350 deg C; Max Pressure
137 Mpa; 300 mm (dia) X
900 mm (length)



Dimension Inspection:
1) CMM: Zeiss :
1000X1000X800 mm;
2) GOM – 3D Scanning



Radiography (X Ray):
Digital; Max
thickness: 60 mm



FPI:
New Automated FPI Line



AEROSPACE **MATERIALS GROUP**

UPDIC Campus – **Aerospace Materials Mill**

Future Capability & Additions

Titanium and Super Alloy Mill – Ingots, Billets,
Rods, Bars, Slabs, Plates

New Aerospace Materials Mill

Acquired - Electron Beam Cold Hearth Remelting (EBCHR) furnace and Vacuum Arc Remelter (VAR) through its wholly owned subsidiary "Aerolloy Technologies Limited (ATL)"

Manufacturing Titanium (Ti) Ingots

One of the few global players to have capabilities to manufacture Titanium Ingots

Manufacture Ti Ingots from Recycled / Scrap Titanium

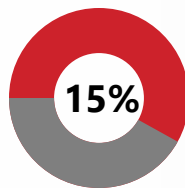
Titanium alloy ingots manufactured by recycling & remelting of scrap have equal acceptability compared to ingots manufactured using Titanium sponge (from ore)

Capacity

The EBCHR furnace will have an installed capacity of 5,000 tonnes p.a. and VAR Furnace will have capacity of 1,500 tonnes p.a. for manufacturing Titanium ingots.

Recent Supply Chain Disruption

Global supply chain, gives strategic advantage of having a facility to manufacture titanium alloy ingots with up to 80% of readily available & cost-effective Titanium scrap is a highly profitable proposition for PTC



PTC will possess a market share of over 15% of the world recycled Titanium Material production



World's largest single site Titanium recycling facility in India



Phase 1:
Investment
~Rs. 150
crores



At full capacity:
Potential
Revenue
multiple of 10-
15x with robust
margins

Technology – Titanium & Super Alloy material manufacturing

Vacuum Arc Remelter (VAR)

A secondary melting process for the production of metal ingots with elevated chemical and mechanical homogeneity for highly demanding applications

Electron Beam Cold Hearth Remelting (EBCHR)

This process is of great importance for the processing and recycling of scrap and waste of reactive metals, especially Titanium

Plasma Arc Cold Hearth Melting (PAM)

Used for melting and remelting of Alloys (e.g. Titanium Alloys) which contain larger amounts of alloying elements with high vapor pressure that would evaporate under deep vacuum conditions

Vacuum Induction Melting (VIM)

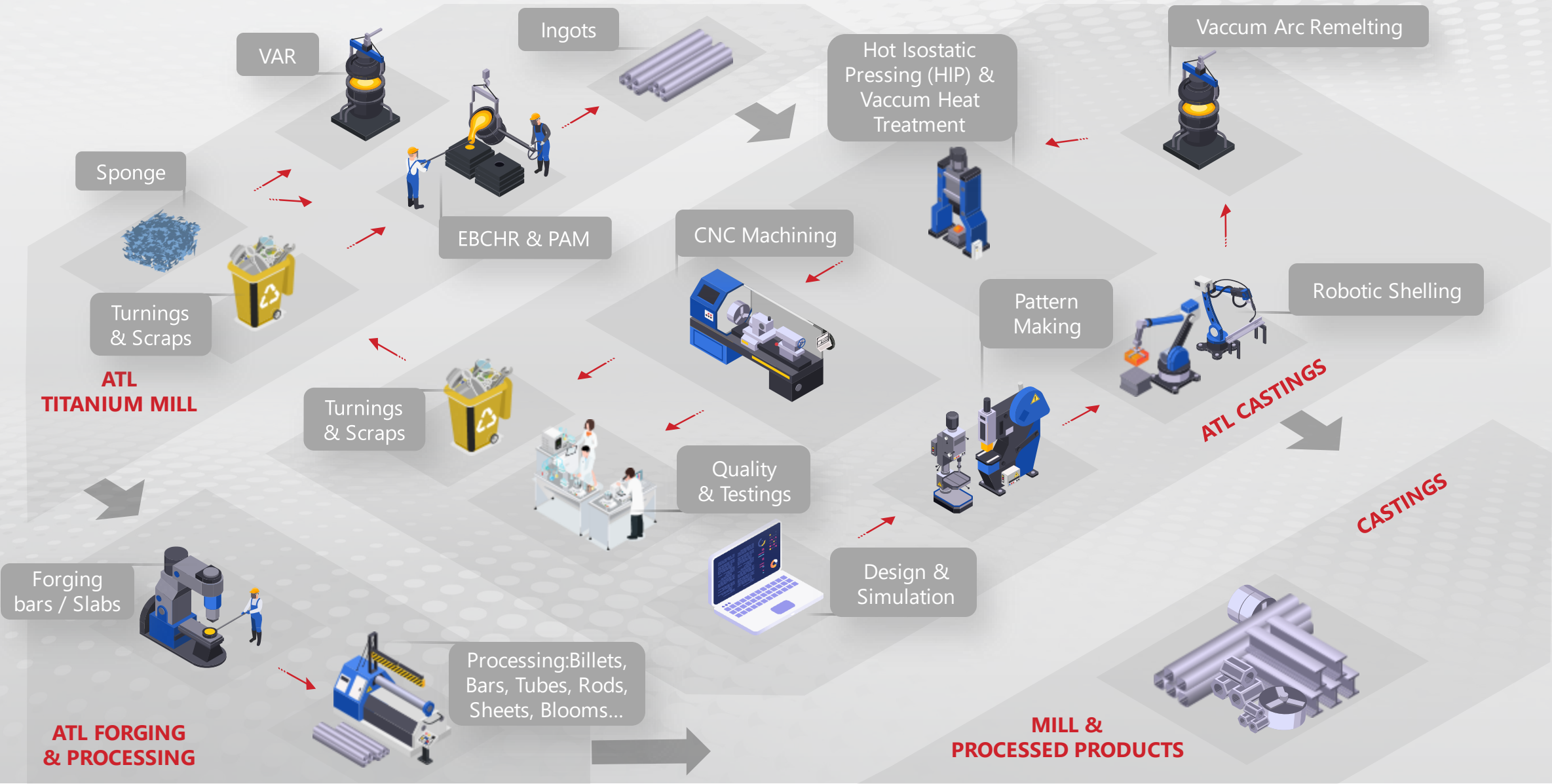
A primary melting process for the production of Super Alloy metal ingots with elevated chemical and mechanical homogeneity for highly demanding applications

Metals Recycling



Shows that **GreenTitanium™** will avoid **26.4 tonnes** CO₂ per tonne of Titanium produced by recycling compared to traditional methods. The volume of emissions avoided is expected to increase in the future as operations reach their nominal production rate. Using this benchmark at full capacity, Titanium ingots produced by PTC's newly acquired EBCHR further would reduce **132,000 tonnes** of CO₂ emissions.

Sustainability



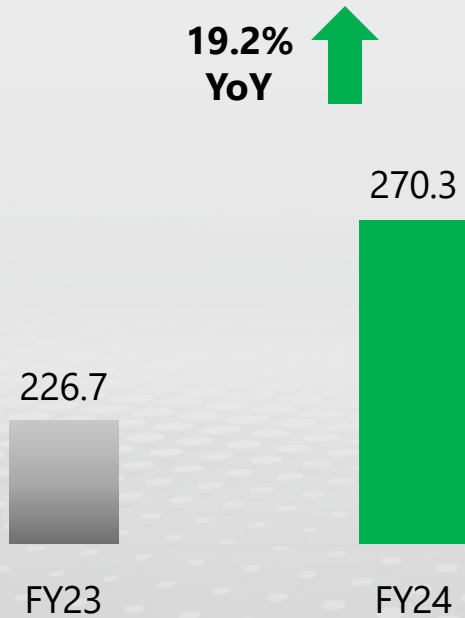


Q4 & FY24: Result Highlights

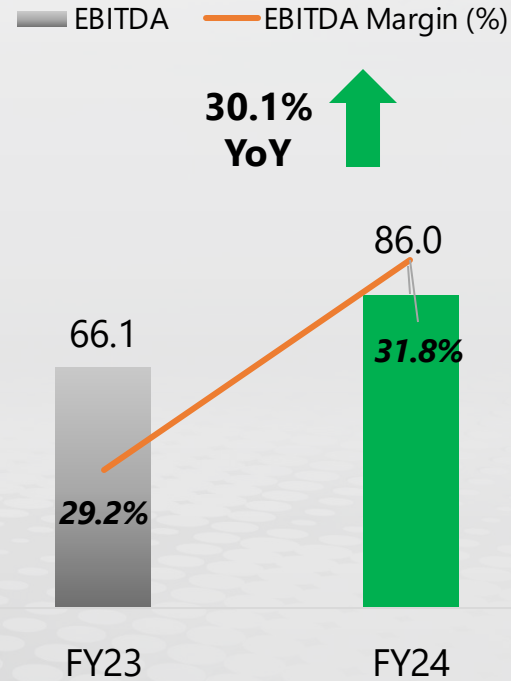
FY24 Consolidated Highlights

In Rs Crores

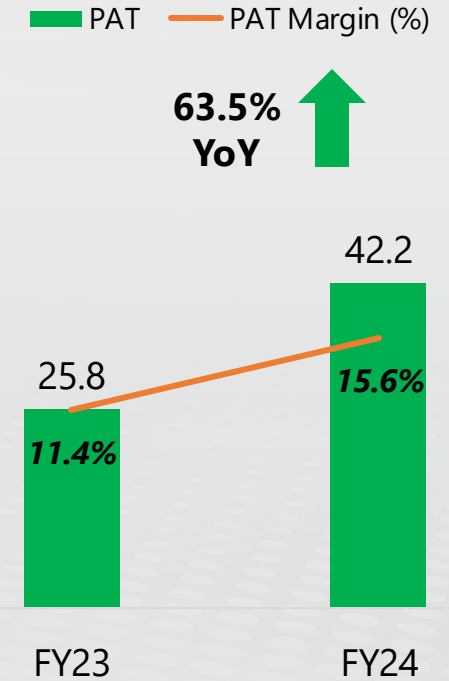
Total Income



EBITDA



PAT

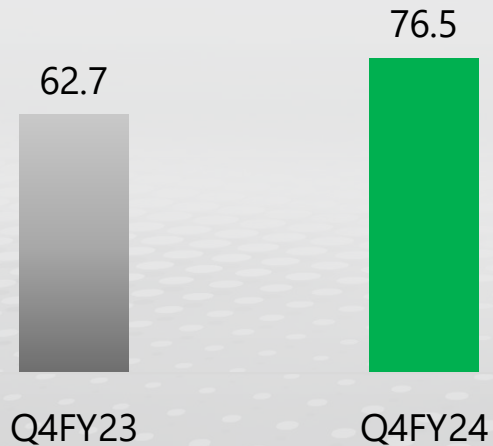


Q4 FY24 Consolidated Highlights

In Rs Crores

Total Income

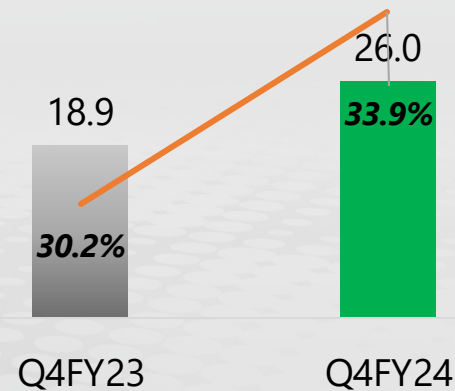
22.0%
YoY



EBITDA

EBITDA EBITDA Margin (%)

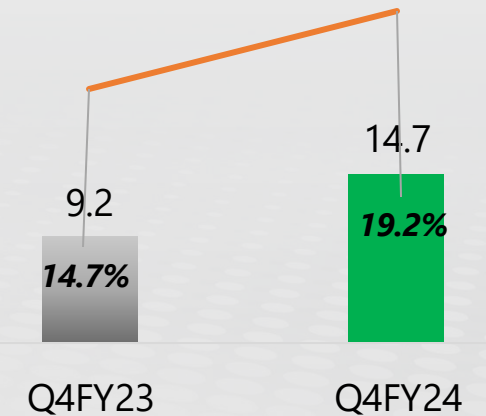
37.0%
YoY









PAT

PAT PAT Margin (%)

59.9%
YoY



Q4 & FY24 Consolidated Highlights

Particulars INR Crores	Q4FY24	Q4FY23	▲ YoY	FY24	FY23	▲ YoY
 Total Income	76.5	62.7	22.0%	270.3	226.7	19.2%
 EBITDA	25.9	18.9	37.0%	86.0	66.1	30.1%
 EBITDA Margin%	33.9%	30.2%	370 bps	31.8%	29.2%	268 bps
 Profit Before Tax	18.4	11.4	61.4%	54.1	33.7	60.5%
 Profit After Tax	14.7	9.2	59.9%	42.2	25.8	63.5%
 PAT Margin%	19.2%	14.7%	456 bps	15.6%	11.4%	423 bps

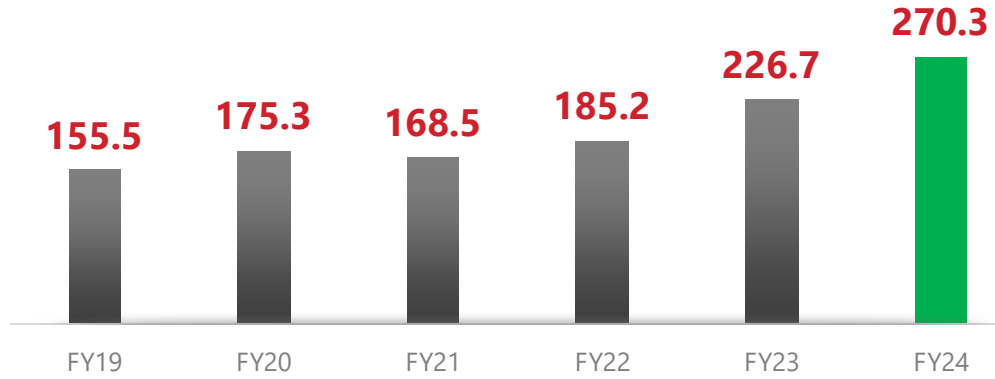
Management Remarks



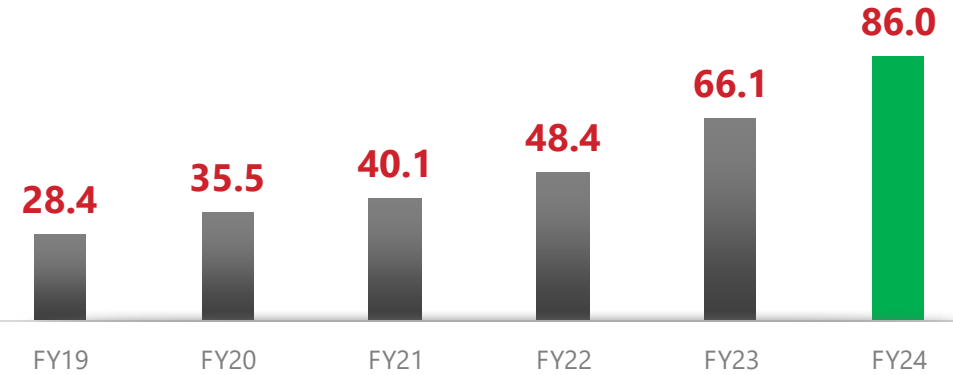
Mr. Sachin Agarwal, Chairman & Managing Director: *“We are proud to announce our strong financial results for FY24, which highlight our commitment towards sustainable and consistent growth. Our dedication to excellence is evident in our focus towards sustainable manufacturing and establishing a world-class infrastructure for manufacturing of titanium and super alloy materials in India. The construction of our new facility, the Strategic Materials Technology Complex is on track, aligning our progress with our vision for achieving Parity.”*

Key Financial Trends

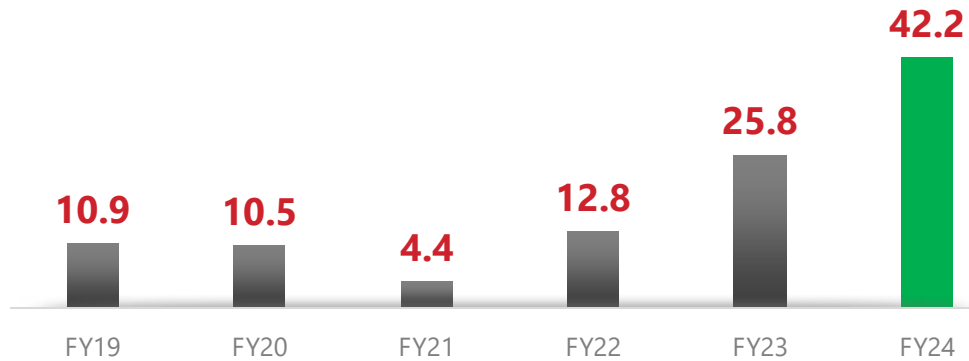
Total Income



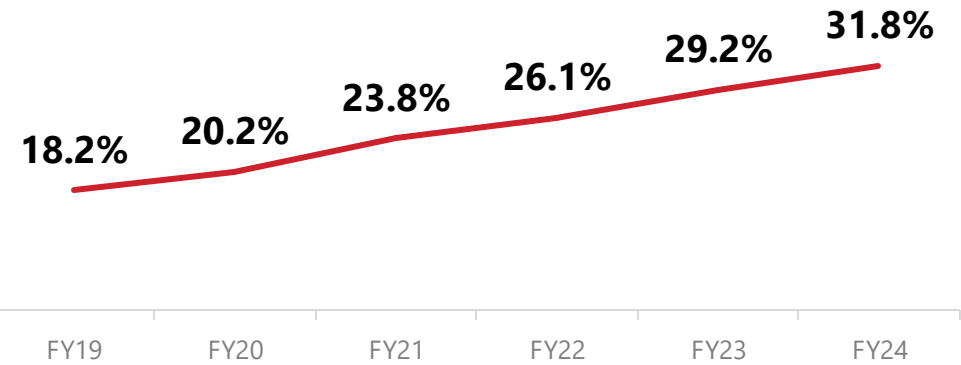
EBITDA



PAT



EBITDA Margin %

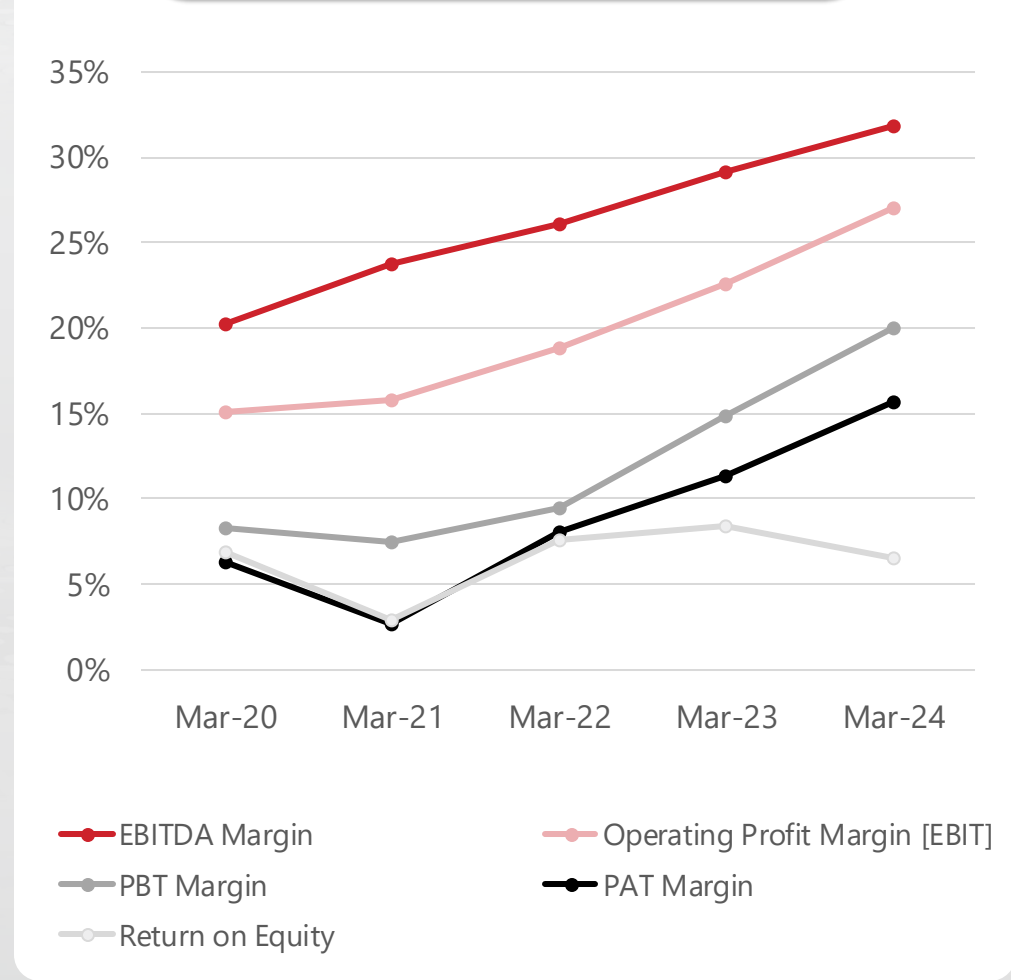


In Rs. Cr

Accounting Ratios

Particulars	As at March 31, 2020	As at March 31, 2021	As at March 31, 2022	As at March 31, 2023	As at March 31, 2024
Profitability Ratios					
EBITDA Margin	20.3%	23.8%	26.1%	29.2%	31.8%
Operating Profit Margin [EBIT]	15.0%	15.8%	18.9%	23.0%	27.0%
PBT Margin	8.3%	7.5%	9.5%	14.8%	20.0%
PAT Margin	6.3%	2.7%	7.2%	11.4%	15.6%
Return on Equity	7.0%	2.8%	7.6%	8.6%	6.5%

Profitability Ratios



Update on Status of ongoing **CAPEX**

PTC is establishing a world-class Strategic Materials Technology Complex in the Lucknow Node of the UP Defence Industrial Corridor. It has acquired key equipment for its Aerospace and Defence material manufacturing facility. This includes a Vacuum Arc Remelting Furnace, an Electron Beam Cold Hearth Remelting furnace, a Plasma Arc Melting furnace, and a Vacuum Induction Melting and Vacuum Precision Induction Casting furnace. These will help to establish the largest single-site Titanium recycling and remelting facility in the world along with the capability to produce Nickel/Cobalt Superalloys for Aerospace and Defence applications.

Particulars	Status
Equipment Ordered	<ul style="list-style-type: none">• Automatic guided Vehicle (AGV)• Bogie Hearth Furnace for VIM+VPIC
Equipment under transit or arrived at site	<ul style="list-style-type: none">• Plasma Arc Welding Machine
Equipment under Installation	<ul style="list-style-type: none">• Electron Beam Cold Hearth Remelting (EBCHR) furnace• VIM + VPIC• Weighing and Blending System,• Transformer, Air Compressor, VCB Panel and Industrial UPS
Equipment installed and under Commissioning	<ul style="list-style-type: none">• Vacuum Arc Remelting (VAR) Furnace• Plasma Arc Melting (PAM) Furnace
Equipment commissioned and under trials	<ul style="list-style-type: none">• Diesel Generator Set
Equipment release for Production	<ul style="list-style-type: none">• Sponge Press• Over Head Crane• Electric Stacker



PASSION & COLLABORATION

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