PTC INDUSTRIES

PTC INDUSTRIES LIMITED

Advanced Manufacturing & Technology Centre NH 25A, Sarai Shahjadi, Lucknow 227 101 Uttar Pradesh, India

Date: August 12, 2023

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 Investors Presentation shared on the Board meeting held on today i.e. August 12, 2023.

This is for your information and records.

Thanking you.

Yours Faithfully,
For **PTC Industries Limited**

Smita Agarwal
Director and CFO
DIN: 00276903

Place: Lucknow

Encl: As above

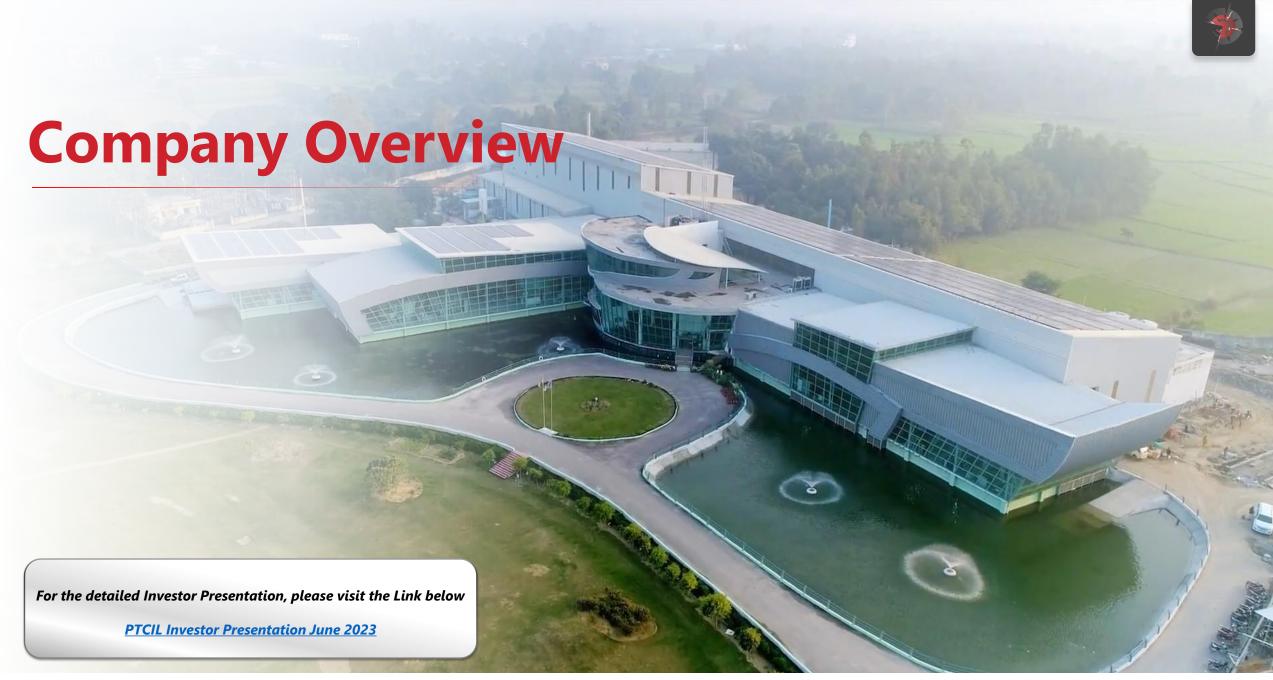


Safe **Harbor**

- 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.











Technology driven opportunities





1

Global Supply Chain Disruption

Opens a huge opportunity for PTC in Industrial as well as Aerospace and Defence Sector

Building cutting edge Technology

Russia Ukraine War Implications

Have opened gates for supply of Titanium
Recently acquired Technologies
Vacuum Arc Remelter
Electron Beam Cold Hearth
Remelting furnace
Pioneer to bring this technology to India

Widening Offerings

Defence Spending and Indigenisation in India is on rise

PTC's vision of PARITY gives opportunity.
Investing in the UP Defence Industrial
Corridor to develop cutting-edge
technology

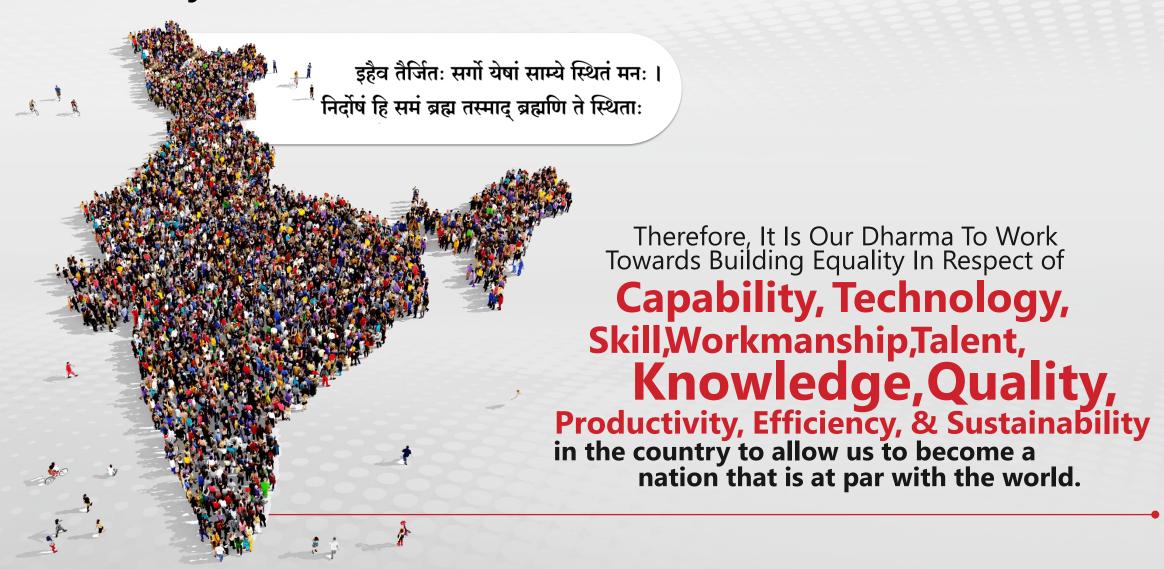
Proven track record





Towards **Parity**









Core Manufacturing Technology

Components

Critical Materials Processing Technology

Processed Materials





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



8 Building Customers 8 Going Global



Technological Evolution



Being Future Ready

1960-1980

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

1980-2000

Established Global Footprint with long lineage

Cemented relationships with customers

Export Awards: Dhatu Nayak Award , Best Exporter Award 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

2010-2023

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

Head Technology & Innovation

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





Agility is a key value for PTC driving success in today's ever-changing, globally competitive environment with the capacity for rapid change and flexibility



Focus on sustainability is extremely important at PTC in protecting our environment and ensuring long-term sustainability for future generations



Our thrust for passion is an internal motivator, a following of one's values, of one's intrinsic, unique desires constantly driving us to achieve higher standards



Our core value of integrity permeates all levels of our company and reflects our commitment to fostering a culture of ethics, transparency and good governance



One of our foremost values is to treat our customers, partners, suppliers and team members, with mutual respect and sensitivity, recognizing the importance of diversity.



With an empathic approach, we work towards improving teamwork and relationships to build a productive and enjoyable working environment

10





Certification

















Our recognitions and rewards

PO Handover by SAFRAN AIRCRAFT ENGINES at #AeroIndia 2023





Raksha Mantri's Award at #DefExpo2022 MoU Signing with **DASSAULT AVIATION** at #AeroIndia 2023

> **Aerolloy** exhibited at Paris Air **Show 2023**



PARIS AIR SHOW LE BOURGET

54th INTERNATIONAL | 54th SALON INTERNATIONAL DE L'AÉRONAUTIQUE & DE L'ESPACE PARIS : LE BOURGET

BAE Systems, PTC sign MoU for making M777 Howitzer parts

The first sub-systems will be made by end of 2022



(L-R) Ravi Nirgudkar, MS, MBA, MD at BAE Systems, India, Bangladesh, Sri Lanka; Sachin Agarwal, CMD, PTC Industries; Paul West, India Industrialisation director, BAE Systems and Bharat

AE Systems & PTC Industries developing the sightly controlled fab-traction process and ensuring the same manufacture intension castings and state of the Indian 155mm M77? Utta-tion and the Indian 155mm M77 Utta-liable nplex lightweight titanium castings, Cradle, and Lower Carriage) that form der 5,800kgs in weight

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 In-

The agreement aims to produce the three of the major structures (Saddle, have a 155mm 52-calibre platform un

UP to excel in aerospace, defence sectors: Rajnath

Opens First Pvt Manufacturing Unit In Corridor

TIMES NEWS NETWORK

Lucknow: Defence minister Pai. more private companies will start investing in Lucknow and Urtar Pradesh, which will make a mark in de-fence and aerospace sector manu-

After inaugurating the first private defence manufacturing facility in UP Defence Industrial Corridor, Singin said. "Autor conhibitions will use of Bovernment's pourses to strip, state will make a mark in defence and acrospace sector manufacturing," Headsolauded MY Meja Aldris, anath for important reforms and incentivizing investment.



Defence minister Rajnath Singh inaugurating a defence manufacturing

es will invest in UP and the govern-ment will provide all support. This investment will ensure that people will not have to leave their homes in search of employment." Singh ex-horted the industry to focus on rese-arch and development and make full Singh said, "More companies will use of government's policies to stay

anath for important reforms and in-centivizing investment. spitals and starting ap "Ibelieve more private compani-programmes," he said.

the rapidly changing global securihas the potential to develop quality and cost-effective equipment which will bolster national securi-ty and can be exported," he said.

and strategy systems. Singh emp-hasized the need for continuous modernization of armed forces in

ke in India and Make for the World'.





Raksha Srijan Ratn (2021-2022)

Awarded to

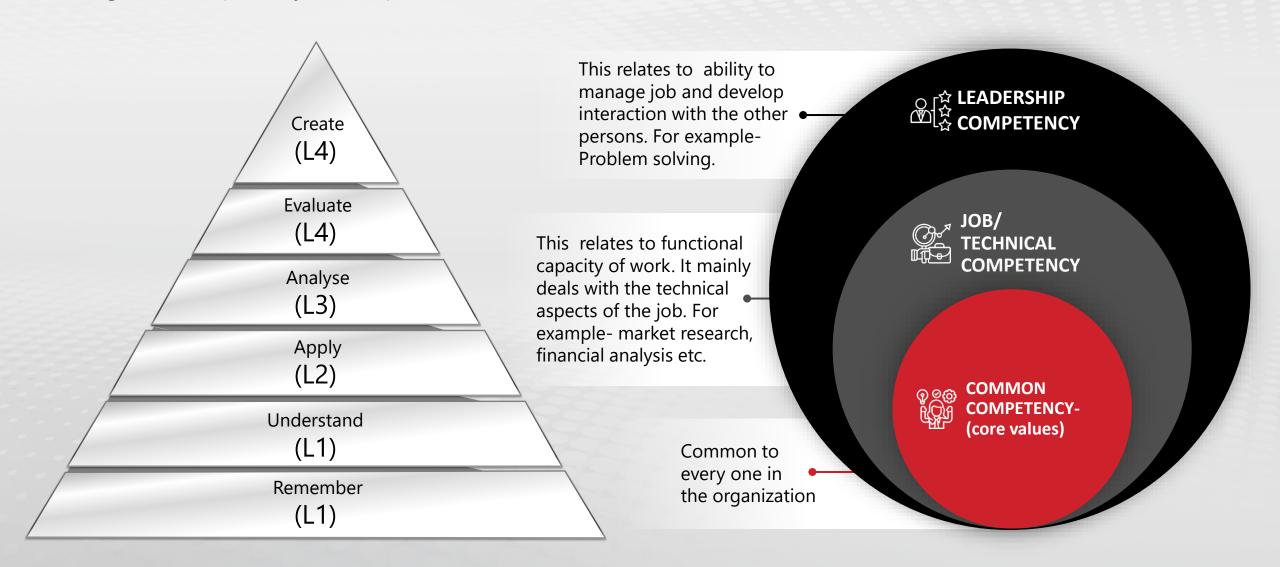
M/s PTC Industries Ltd, Lucknow

Indigenisation / Import substitution

Under Category - Medium Scale Enterprise

Our focus on **Human Resource Development**

Training and Competency Development Framework.







© 2023 ptcil.com

13

Current & Future Renewable Energy Sources









Roadmap for Carbon Footprint



15







Recent **Milestones**

Built Capabilities

& MoUs

Marquee Orders

Land at UP **Defence Corridor**

Fabrication and Assembly Line

Acquisition of the Vacuum Arc Remelter

Acquisition of the EBCHR* Furnace

Acquisition of the PAM

Agreement with BAE Systems

Technological Tie-up and MoU

MoU with HAL

Order from

MoU with Dassault Aviation and Approval from Israel

INDUSTRIES

Allotment of 50 Acres of land next to Brahmos facility, by UPEIDA, in Lucknow node of the UP Defence Industrial Corridor

Fabrication and Assembly Line for BAE Systems

This Facility is critical for manufacturing Titanium Ingots from Sponge (ore) with a total capacity of 1,500 tonnes p.a.

Recycling & Remelting Furnace for manufacturing of Titanium Alloy Ingots from recycled Titanium 5,000 TPA

Acquisition of PAM

To produce titanium castings for 155mm Ultra-Lightweight Howitzer in India

Midhani: Manufacturing of Titanium alloy pipes & tubes, plates & sheets, Fabrication of crucial parts, etc Bharat Dynamics: Design, Develop & Manufacture Aero Engines for Missiles, UAVs, Loitering Munitions, etc. Safran AE: Manufacturing & supply of Titanium & Super Alloy castings & components for LEAP Engines, etc. DRDO Contract: Design, Develop & Manufacture Aero Engines for Missiles, UAVs, Loitering Munitions, etc.

> Indigenisation of aviation-grade Raw Materials, Components, Sub-systems, and Systems of Aero-Engines of Russian-origin aircraft

Received an order from Safran Aircraft Engines ("SAE"), for the development and supply of Titanium cast components for Aircraft Engines

MOU with Dassault Aviation, a major player in the global aerospace industry & IAI granted approval as a supplier of cast components for Aerospace applications

2022

AEROLLOY

TECHNOLOGIES



© 2023 ptcil.com

Safran Engines

Aerospace Industries (IAI)

16

PTC & Aerolloy Technology Verticals





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

6 4446 61



Titanium Alloy Mill

VAR, EBCHR, PACHR; Forging

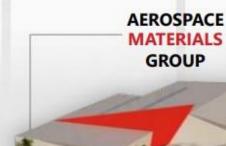


Super Alloy Mill

Masteralloy VIM, VAR; Forging

17

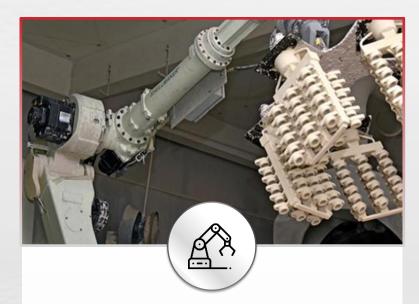
AEROSPACE CASTINGS GROUP







Technology - Rapidcast, Replicast, Investment Casting





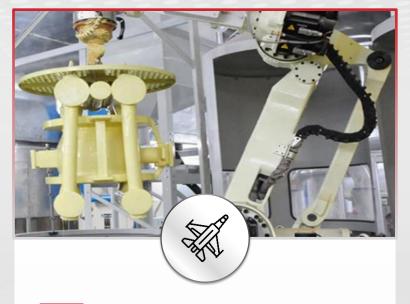
Quality – Value – Speed up to **5,000 kgs** single piece

7-Axis CNC machining robots to machine patterns





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





Microstructure controlled castings (Single Crystals and Directionally Solidified) for Aeroengines





Technology - Ti Cast, Controlled Microstructure, ForgeCast





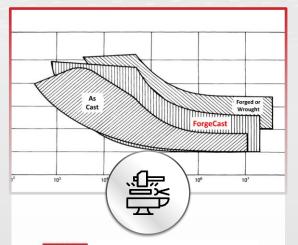
Vacuum melt casting of Reactive alloys

Investment casting, PrintCast, Replicast



Controlled Micro-Structure

Technology helps to control both the cast microstructure and defect formation





Where castings and forgings converge

Near net shape castings with forging properties



Hot Isostatic Press (HIP)

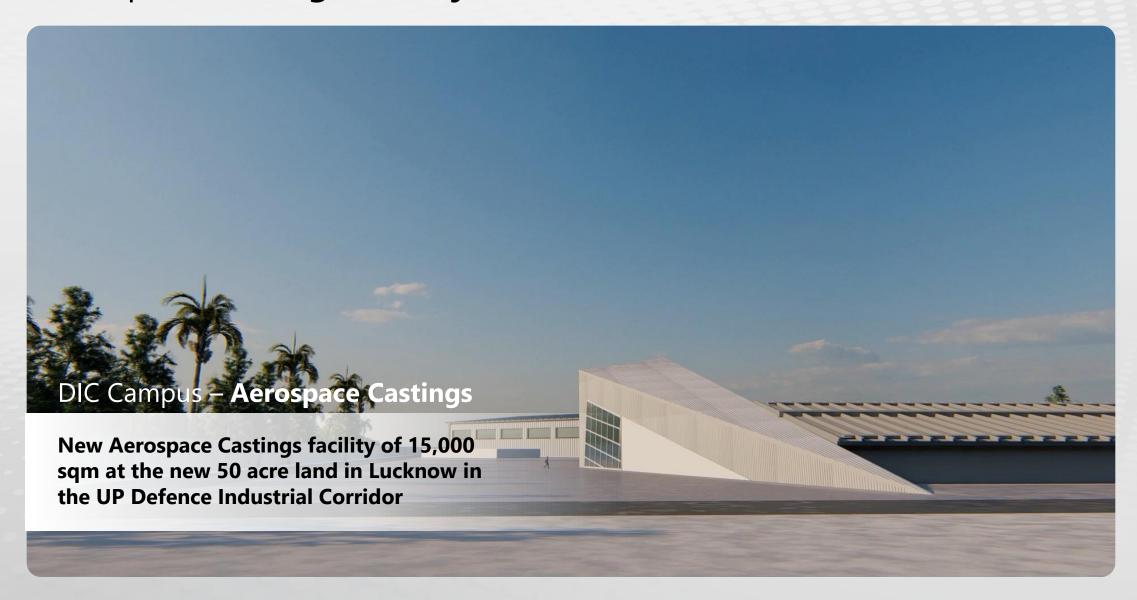
Used to eliminate pores in metal components

A must technology for critical components like Aerospace





New Aerospace Castings Facility







Aerospace Castings Group – Future Capability & Additions

3D Printed (SLA) Pattern::

600X600X500 mm

3D

Other major **Equipment available**



Chemical Milling: 1200X1200X1200 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)

(Signature)

Flashfire Furnace:

1000X1000X1200 mm (Pacific Kiln)











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











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 Titainum (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)

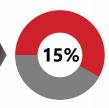
Capacity

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



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**



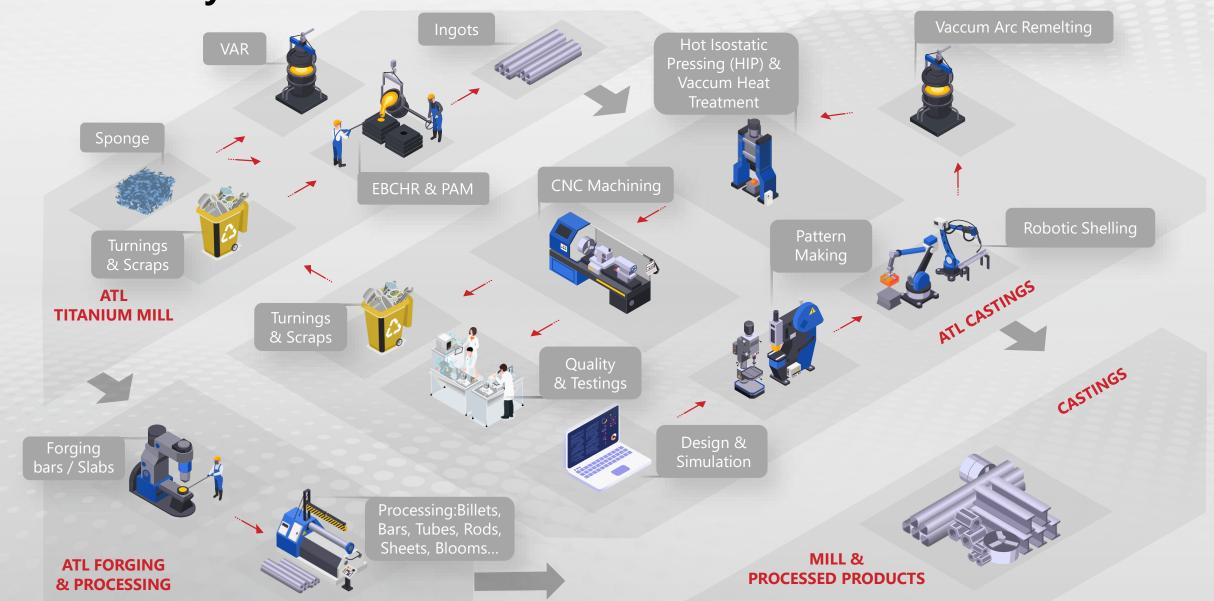


Shows that **GreenTitanium**® will avoid **26.4 tonnes** CO₂ per tonne of Titanium produced by recycling compared to traditional methods. The volume of emissions avoided is expected to increase in the future as operations reach their nominal production rate. Using this benchmark at full capacity, Titanium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





Sustainability







26



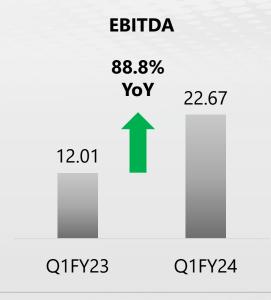


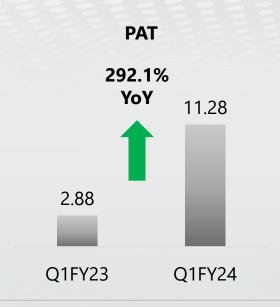


Q1FY24 Consolidated Highlights

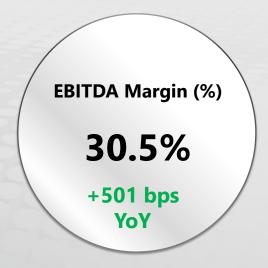
















Q1FY24 Consolidated Highlights

Particulars INR Cr	Q1FY24	Q1FY23	YoY	Q4FY23	QoQ
Total Income	74.4	47.2	57.7%	62.7	18.7%
EBITDA	22.7	12.0	88.8%	18.9	19.7%
EBITDA Margin (%)	30.5%	25.5%	501 bps	30.2%	30 bps
Profit Before Tax	14.9	4.1	266.1%	11.4	29.9%
Profit After Tax	11.3	2.9	292.1%	9.2	22.6%
PAT Margin (%)	15.2%	6.1%	906 bps	14.7%	50 bps





Q1FY24 Business Highlights

Aerolloy Technologies Limited Participated in the International Paris Air Show 2023

The event served as a great platform to showcase the Company's capabilities for the manufacture of critical aerospace components and strategic materials. This participation reaffirmed PTC's position as a leading force in driving innovation and pushing boundaries.



Honoured to play a vital role in the historic Chandrayaan 3 Mission

PTC takes immense pride to be a part of ISRO and Vikram Sarabhai Space Centre's momentous Chandrayaan 3 mission with the Pump Interstage Housing, a critical component.



Successful NSE Listing

The listing of equity shares on the NSE will give more liquidity and better options to investors in general, as well as broaden the investor base. The NSE is one of India's major stock exchanges, with a national trading terminal that allows investors from across the country to trade easily.







Appointment of Statutory, Internal and Secretarial Auditors

Appointment of M/S. S. N. Dhawan & Co. LLP, CA as Statutory Auditors for a period of 5 years

- The Board has recommended the appointment of M/S S. N. Dhawan & CO LLP, Chartered Accountants as Statutory Auditors of the Company for a period of 5 years from the conclusion of the 60th Annual General Meeting (subject to the approval of the shareholders at the ensuing AGM).
 - o M/s. S.N. Dhawan & Co. LLP, established in 1944 and one of the largest CA firms in India, is a member firm of Mazars, a leading international audit, tax, and advisory firm.
 - It is associated with many large Indian and International corporate houses across various sectors with in-depth experience in Defence, Aerospace, Energy, Oil and Gas, Construction, Retail, Infrastructure, FMCG, IT Real Estate, ITES, and e-Commerce Sectors.

Appointment of M/S. Grant Thornton Bharat LLP, CA as Internal Auditors for FY 23-24

- The Board has recommended the appointment of M/S Grant Thornton Bharat LLP, Chartered Accountants as Internal Auditors of the Company for conducting Internal Audit starting from the 2nd Quarter of FY24.
 - o Grant Thornton Bharat LLP is a member of Grant Thornton International Ltd. and a leading professional services firm in the country.
 - A truly Indian Firm with global connections, Grand Thornton Bharat LLP works with businesses and government across industries and sectors, providing assurance, consulting, tax, risk, and digital and technology transformation services.

Appointment of M/S Amit Gupta & Associates, Company Secretaries as Secretarial Auditors for FY 23-24

- The Board also recommended the appointment of M/S Amit Gupta & Associates, Company Secretaries as Secretarial Auditors of the Company from August 12, 2023, for the FY 2023-24 and issue of certificates/ reports under applicable SEBI regulations.
 - o CS Amit Gupta of Amit Gupta & Associates is a Fellow Member of the Institute of Company Secretaries of India & Insolvency Professional, engaged in the practice of the profession for the last 21 years in Corporate and allied Laws and providing out-of-the-box solutions on complex legal & strategic management issues.
 - o He is a Science and Law Graduate and Diploma Holder in Banking & Finance from ICFAI.





Management Remarks



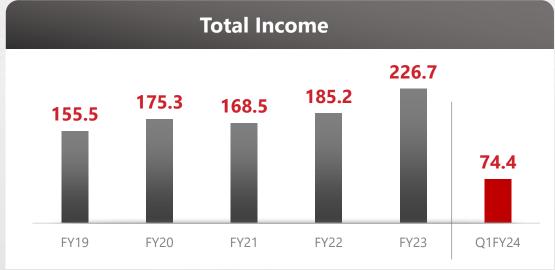
Mr. Sachin Agarwal, Chairman & Managing Director: "We are delighted to begin the new fiscal year with a robust financial performance in Q1FY24. Notably, we also participated in the International Paris Air Show 2023 during this quarter where we showcased our exceptional capabilities and leading-edge technologies.

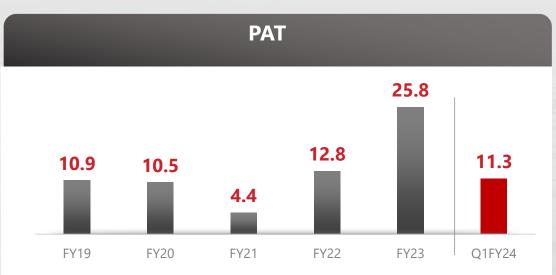
Building on this momentum, I am pleased to share that Aerolloy Technologies, PTC's wholly-owned subsidiary achieved yet another milestone in Q1FY24 by receiving approval from Israel Aerospace Industries (IAI) for the supply of cast components dedicated to Aerospace applications. This accomplishment is noteworthy as it marks IAI's first engagement in sourcing cast components from India.

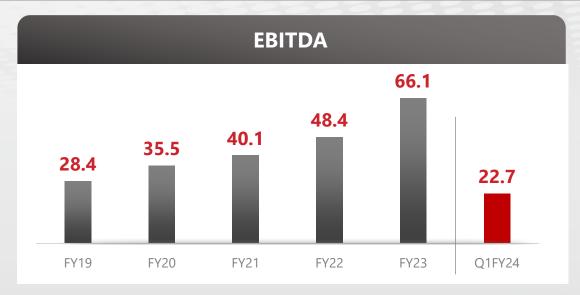
Additionally, PTC was honoured to be a part of the historic Chandrayaan 3 mission by ISRO and Vikram Sarabhai Space Centre with the supply of the Pump Interstage Housing manufactured by us. Another key highlight of this quarter is PTC's listing on the National Stock Exchange, India's foremost trading platform that extends nationwide access and enhanced trading options, thereby increasing liquidity for investors across the country. Our unrelenting pursuit of parity, acquisition of unique competencies, and unwavering confidence shall continue to drive us towards even more remarkable milestones in the future."

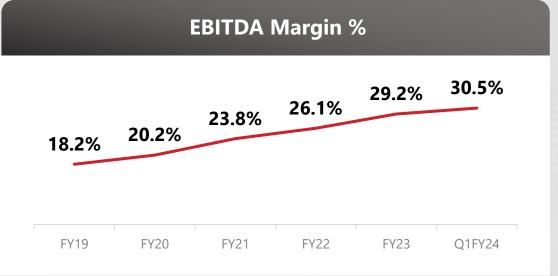


Key Financial Trends









In Rs. Cr

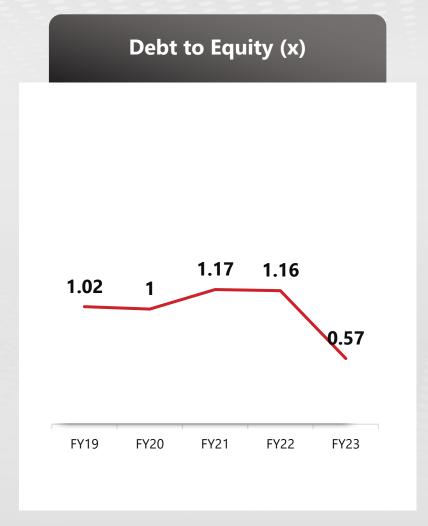




Key Financial Trends







In Rs. Cr

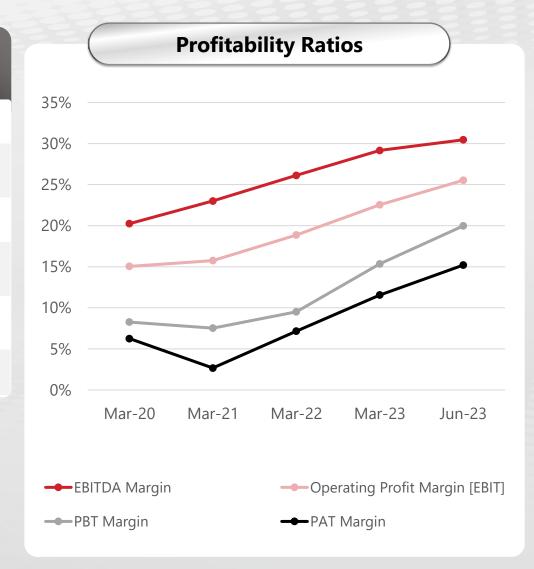




Accounting **Ratios**

Particulars	As at March 31, 2020	As at March 31, 2021	As at March 31, 2022	As at March 31, 2023	As at June 30, 2023
Profitability Ratios					
EBITDA Margin	20.25%	23.00%	26.12%	29.16%	30.46%
Operating Profit Margin [EBIT]	15.04%	15.75%	18.86%	22.55%	25.53%
PBT Margin	8.27%	7.53%	9.51%	15.35%	19.97%
PAT Margin	6.25%	2.67%	7.16%	11.56%	15.2%
Return on Equity	6.97%	2.80%	7.60%	8.26%	-



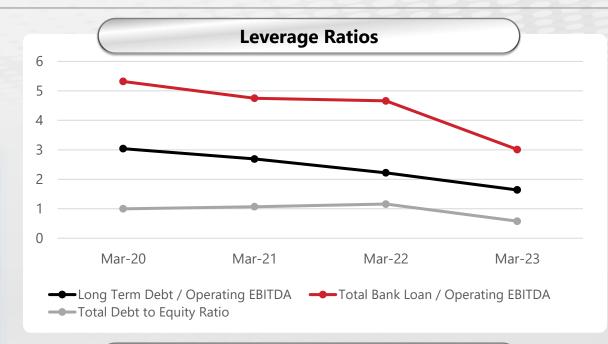


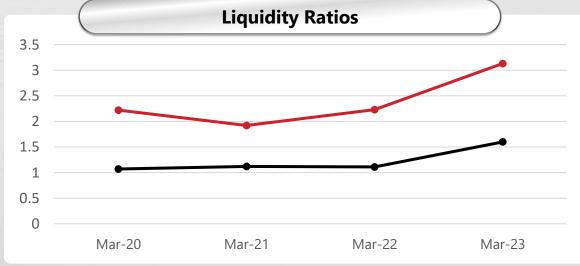




Accounting **Ratios**

Particulars)	As at March 31, 2020	As at March 31, 2021	As at March 31, 2022	As at March 31, 2023
Leverage Ratios				
Long Term Debt / Operating EBITDA	3.04	2.69	2.22	1.64
Total Bank Loan / Operating EBITDA	5.32	4.75	4.66	3.01
Total Debt to Equity Ratio	1.00	1.07	1.16	0.58
Liquidity Ratios				
© Current Ratio	1.07	1.12	1.11	1.60
Interest Service Coverage Ratio (ISCR)	2.22	1.92	2.23	3.13





36









