

PTC Industries Limited

TOWARDS PARITY

INVESTOR PRESENTATION – Q1FY24
August 12, 2023

- 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](#)

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

2

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

3

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

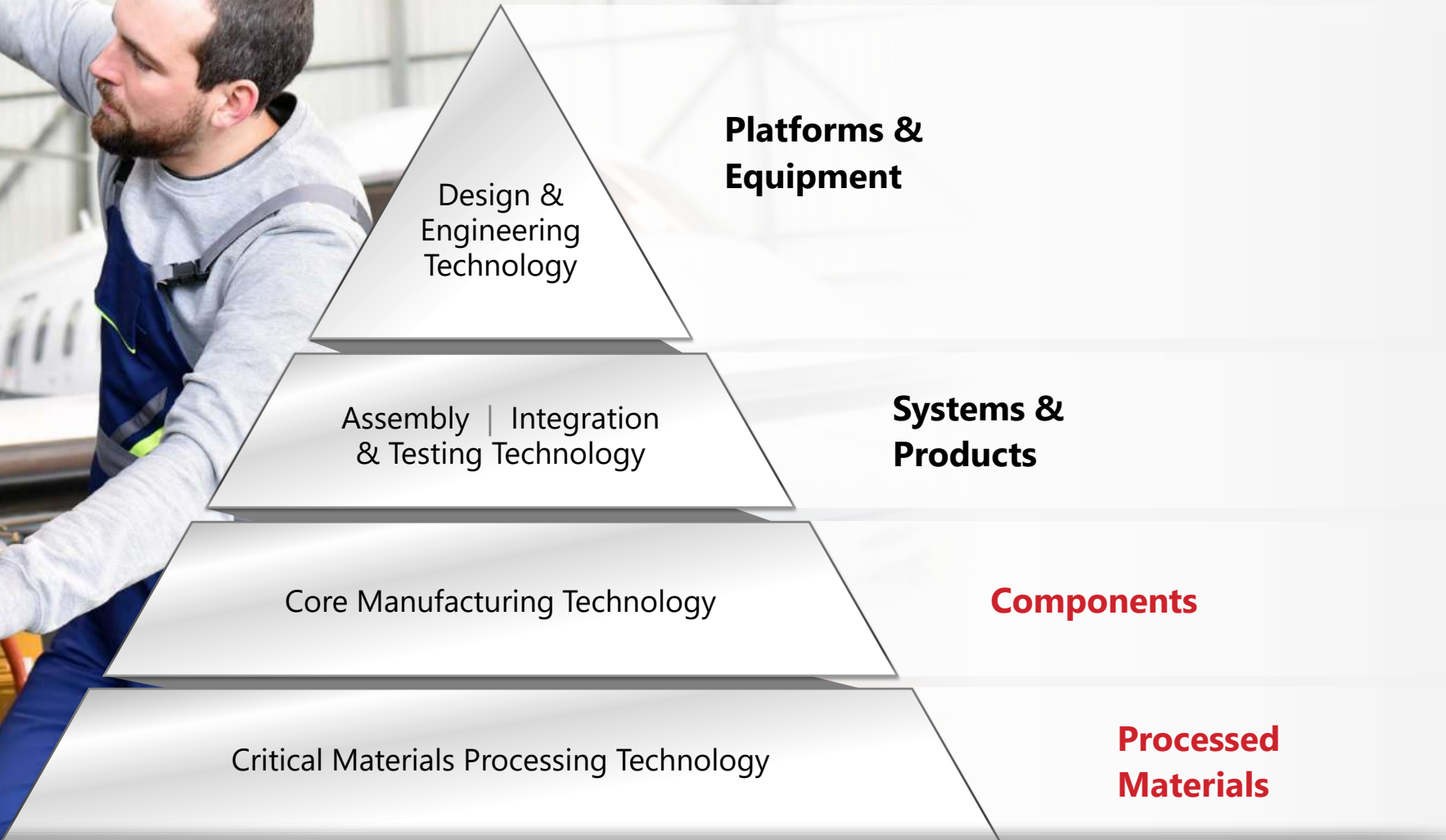
Towards Parity



इहैव तैर्जितः सर्गो येषां साम्ये स्थितं मनः ।
निर्दोषं हि समं ब्रह्म तस्माद् ब्रह्मणि ते स्थिताः

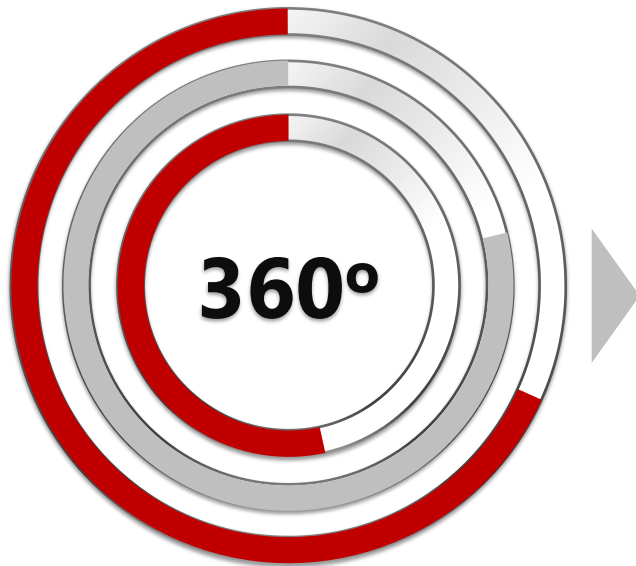
Therefore, It Is Our Dharma To Work
Towards Building Equality In Respect of
**Capability, Technology,
Skill, Workmanship, Talent,
Knowledge, Quality,
Productivity, Efficiency, & Sustainability**
in the country to allow us to become a
nation that is at par with the world.

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

1960-1980

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

2010-2023

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

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

sustainability

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

passion

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

integrity

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

respect

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.

empathy

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

Certification



Our recognitions and rewards



Raksha Mantri's Award at #DefExpo2022

PO Handover by
SAFRAN AIRCRAFT ENGINES
at #AeroIndia 2023



MoU Signing with
DASSAULT AVIATION
at #AeroIndia 2023



Aerolloy exhibited at Paris Air Show 2023



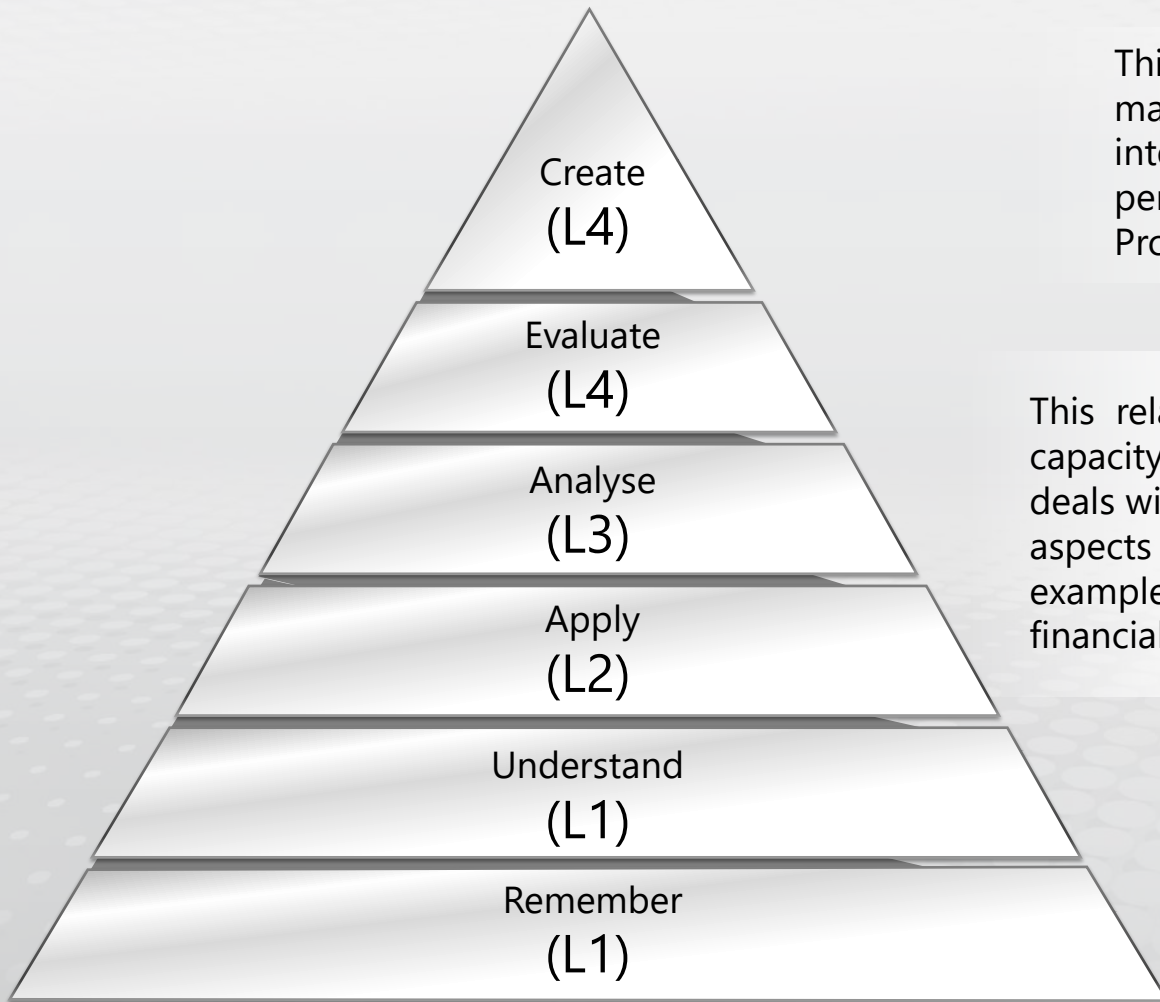
54th INTERNATIONAL PARIS AIR SHOW
LE BOURGET
JUNE 19-25, 2023

54^e SALON INTERNATIONAL DE L'AÉRONAUTIQUE 6 DE L'ESPACE
PARIS - LE BOURGET
19-25, JUIN 2023



Our focus on **Human Resource Development**

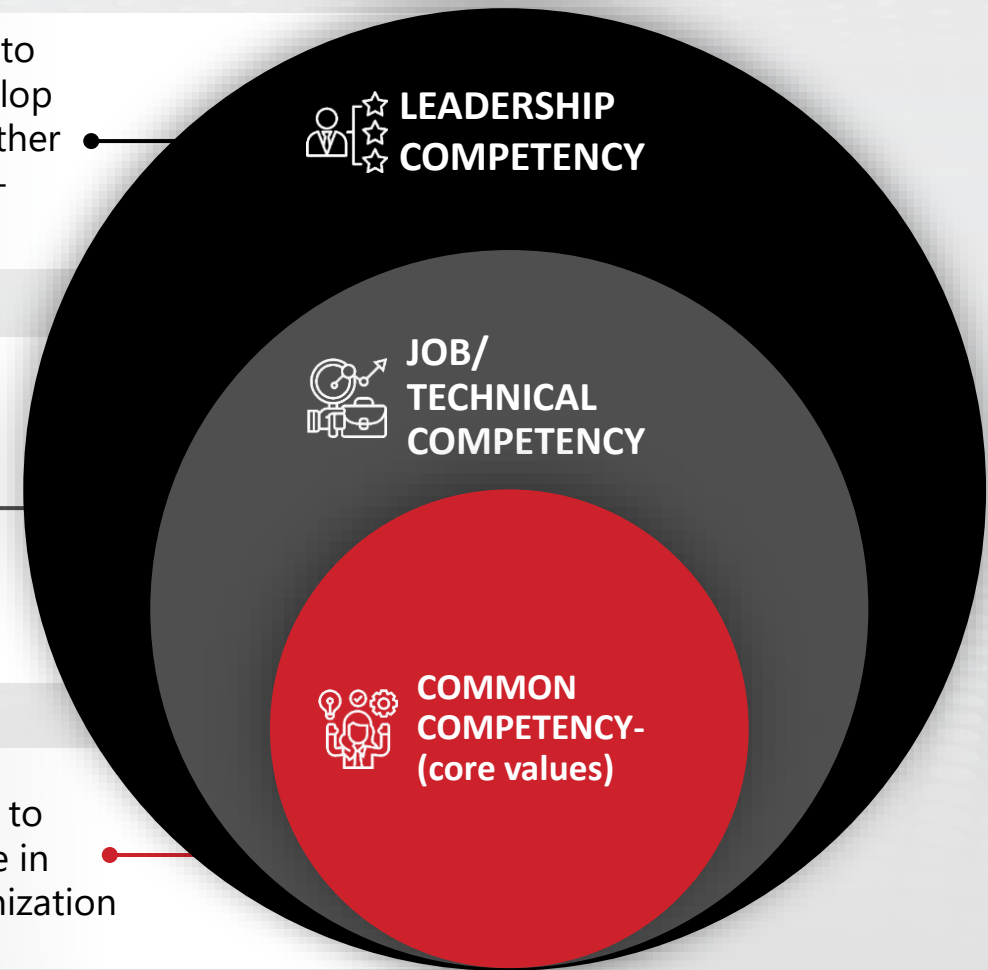
Training and Competency Development Framework.



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

**A: Environments leader (1,5° C /SBTi
Validated Supplier & customers involved**

A : Scope 3 action plan

B :Scope 3 Measured

B : Action plan in progress on
scope 1& 2

C : Action plan defined on scopes 1 & 2
with objectives, schedule, organization,
resources& budget

C : Targets on scope 1 &2 defined &
communication done

D: Measures on scope 1 & 2 done with
validated protocole (as GHG
protocol),&verifiedby third party

D: Engaged in decarbonization approach
with regular measures

E: No structured approach but wants to
implements

E: No structured approach

Land at UP Defence Corridor

2025

**Supply-chain involved / Low
carbon freight ...**

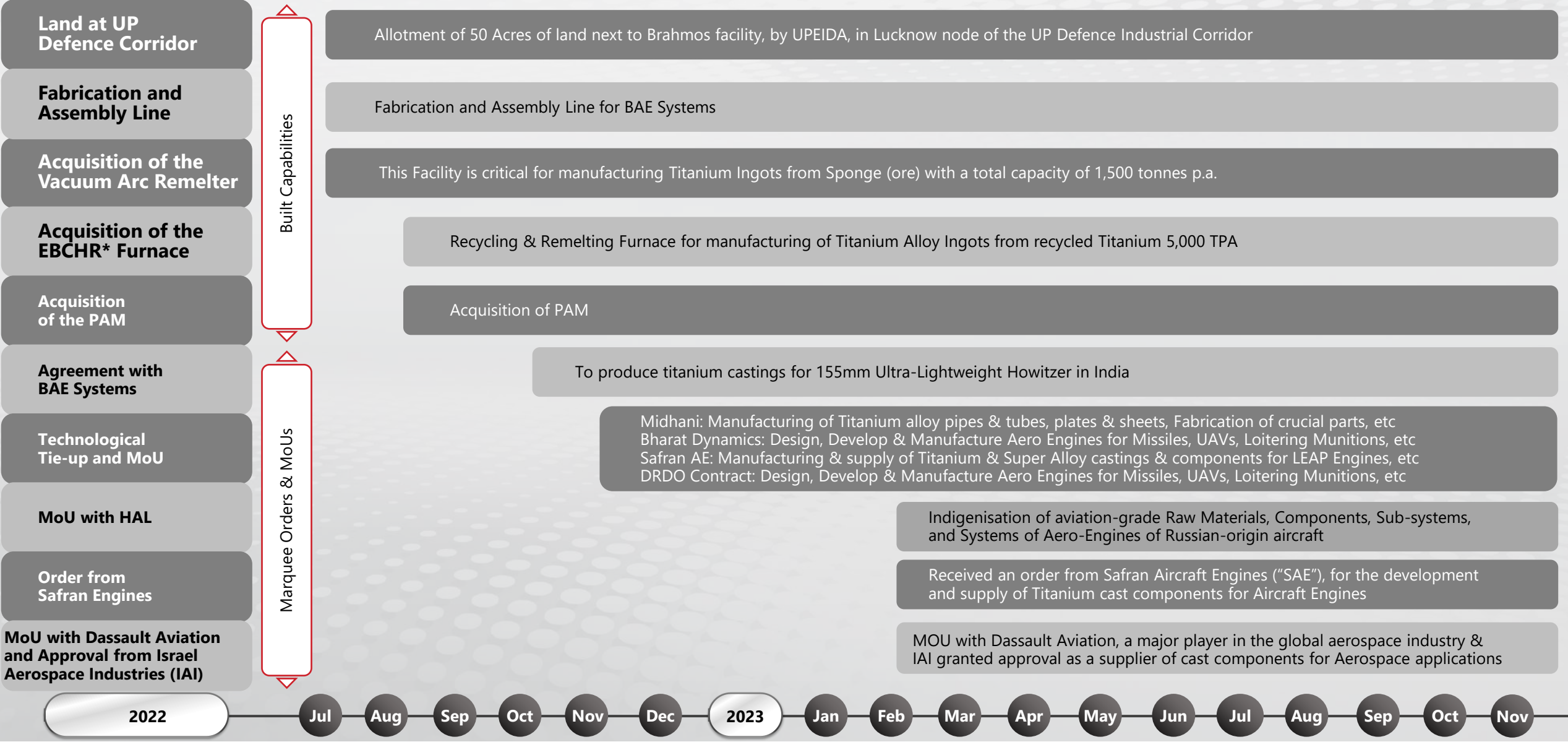
2024

**Green energy source
implemented & /or energy
reduction solution deployed ...**

2023

**Carbon reduction strategy
defined and targets in line
with the Paris agreement**

Recent Milestones



PTC & Aerolloy Technology Verticals



Industrial Castings

Replicast,
Rapidcast,
Investment
Casting



Machining & Assembly

CNC 5-Axis
Machines;
Assembly shop



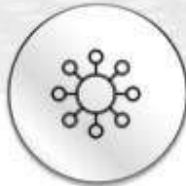
Titanium Castings

Investment
Casting;
VAR; HIP



Super Alloy Castings

Investment
Casting;
VIM; HIP



Controlled Microstructure

Investment
Casting; SX,
DS, EQ



Titanium Alloy Mill

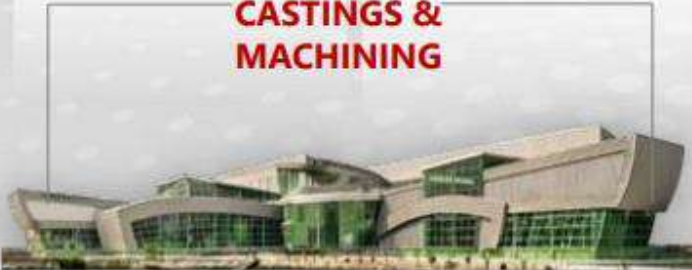
VAR,
EBCHR, PACHR;
Forging



Super Alloy Mill

Masteralloy
VIM, VAR;
Forging

INDUSTRIAL CASTINGS & MACHINING



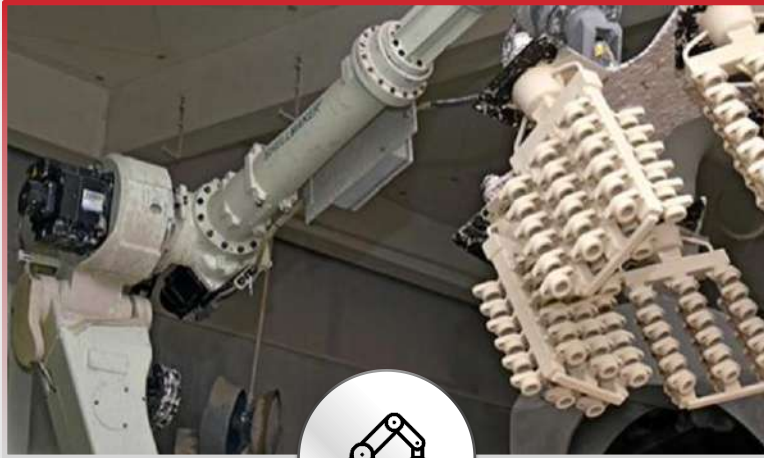
AEROSPACE CASTINGS GROUP



AEROSPACE MATERIALS GROUP



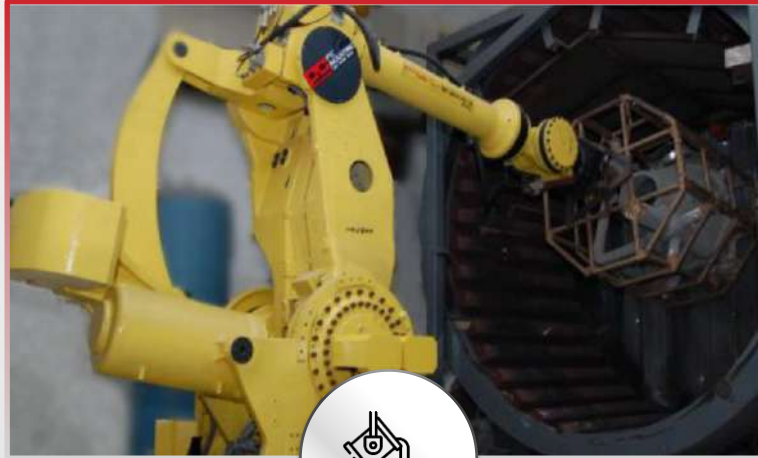
Technology – Rapidcast, Replicast, Investment Casting



RAPIDCAST

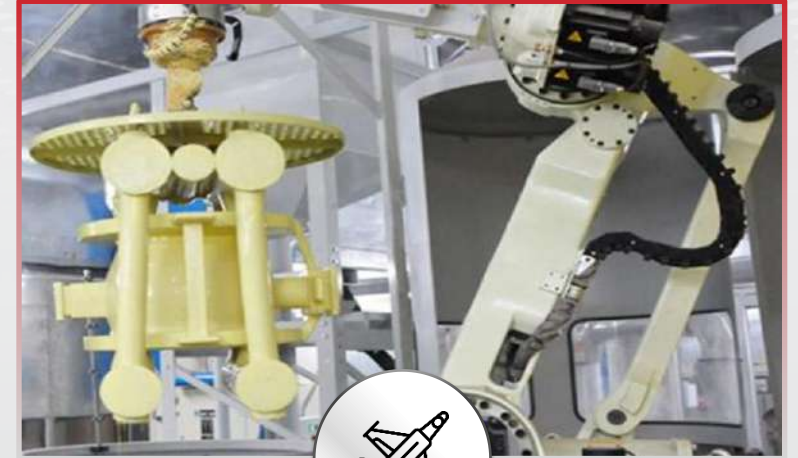
Quality – Value – Speed
up to **5,000 kgs** single piece

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

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

Technology – Ti Cast, Controlled Microstructure, ForgeCast



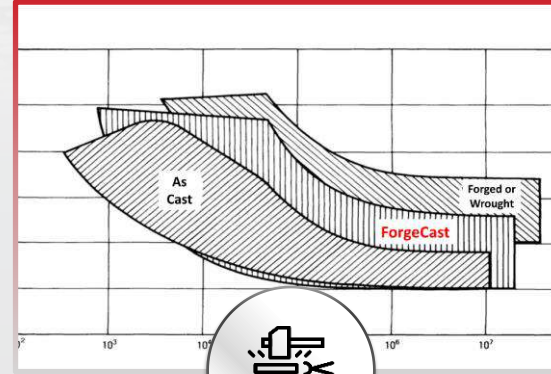
Vacuum melt casting
of Reactive alloys

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**



DIC Campus – **Aerospace Castings**

New Aerospace Castings facility of 15,000 sqm at the new 50 acre land in Lucknow in 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

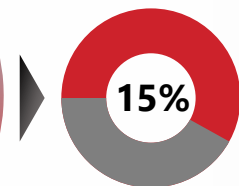
Titanium alloy ingots manufactured by recycling & remelting of scrap have equal acceptability compared to ingots manufactured using Titanium sponge (from ore)

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)

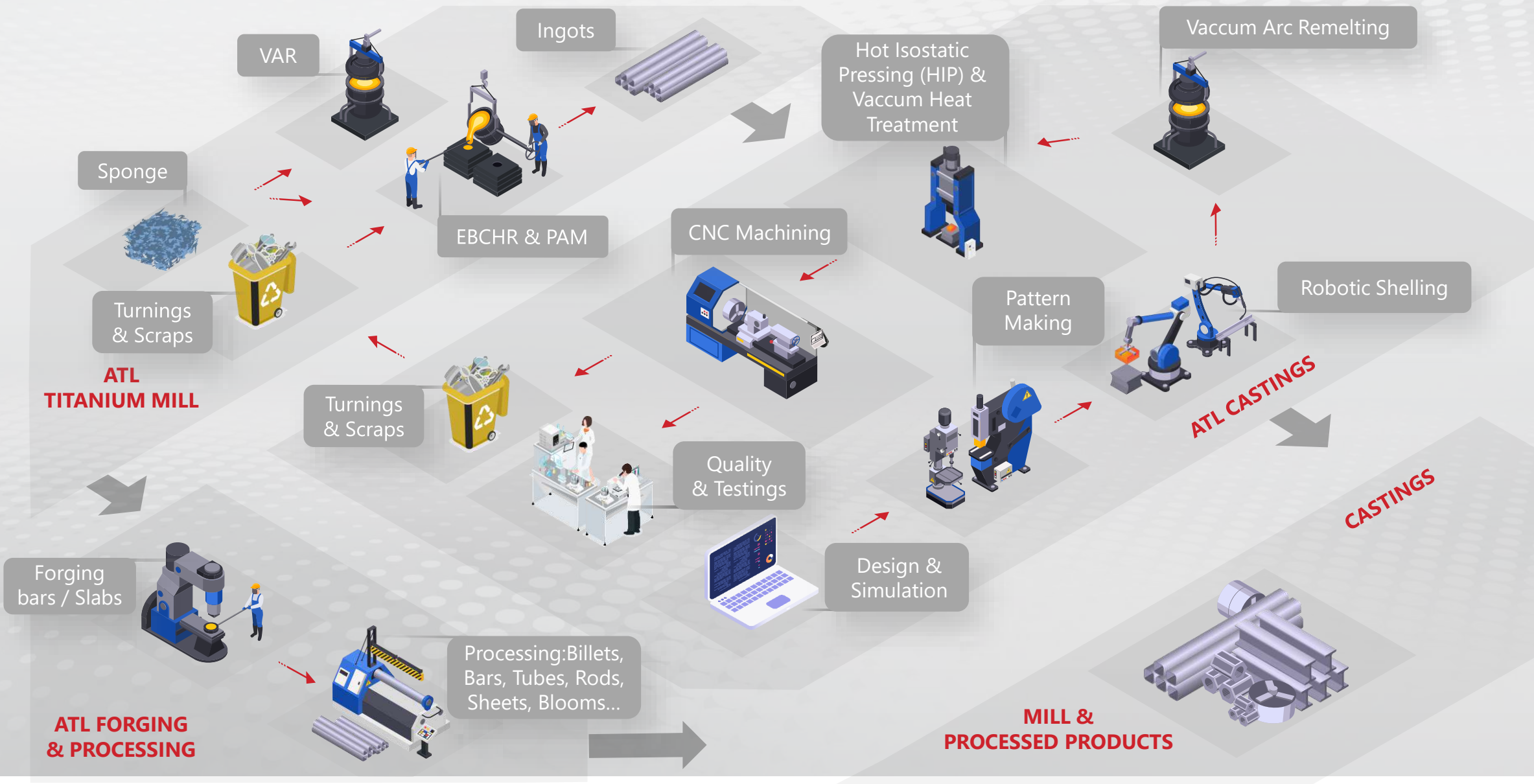
A primary melting process for the production of Super Alloy metal ingots with elevated chemical and mechanical homogeneity for highly demanding applications

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





Q1FY24: Result Highlights

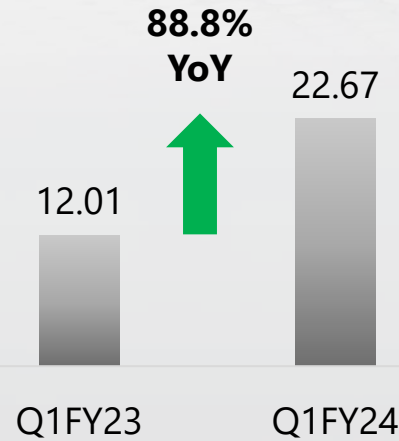
Q1FY24 Consolidated Highlights

Q1FY24 (Rs.Cr)

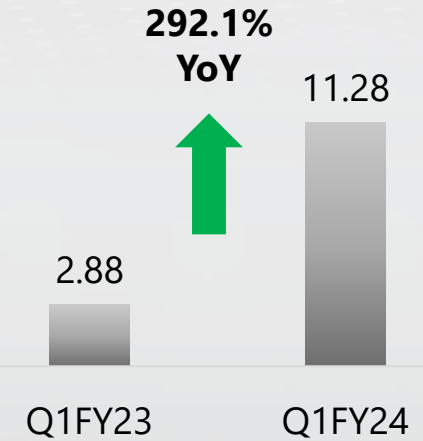
Total Income



EBITDA



PAT



Gross Profit Margin (%)

74.2%

+404 bps
YoY

EBITDA Margin (%)

30.5%







+501 bps
YoY

PAT Margin (%)

15.2%

+906 bps
YoY

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).
 - 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.
 - 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.
 - 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.
 - He is a Science and Law Graduate and Diploma Holder in Banking & Finance from ICFAI.

Management Remarks



Sachin Agarwal

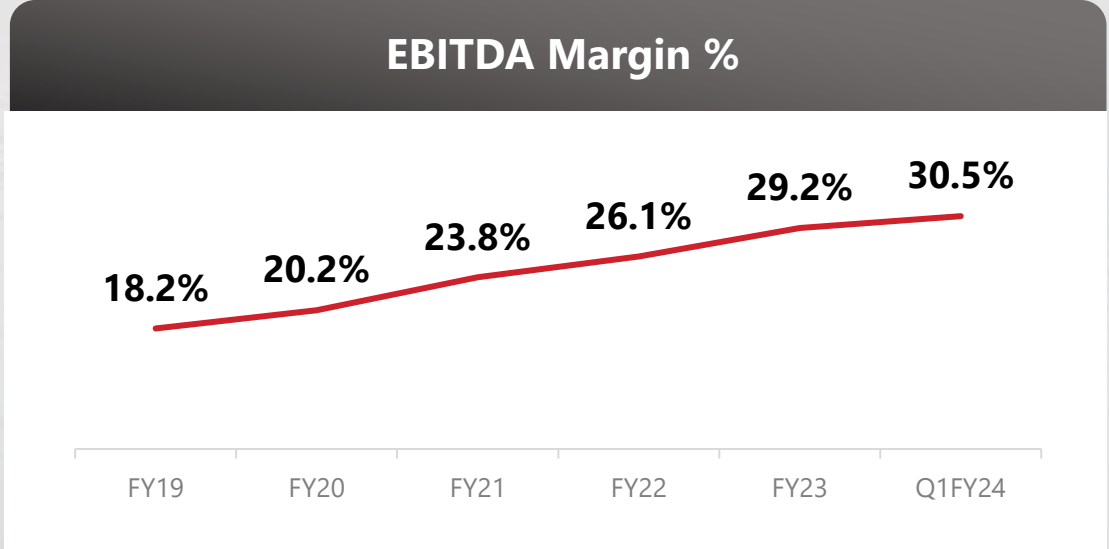
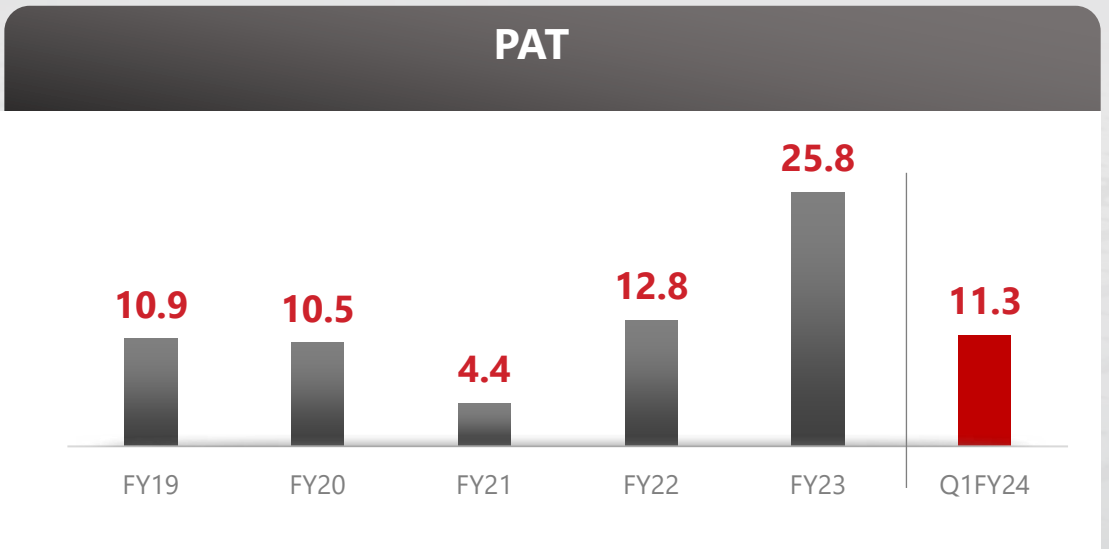
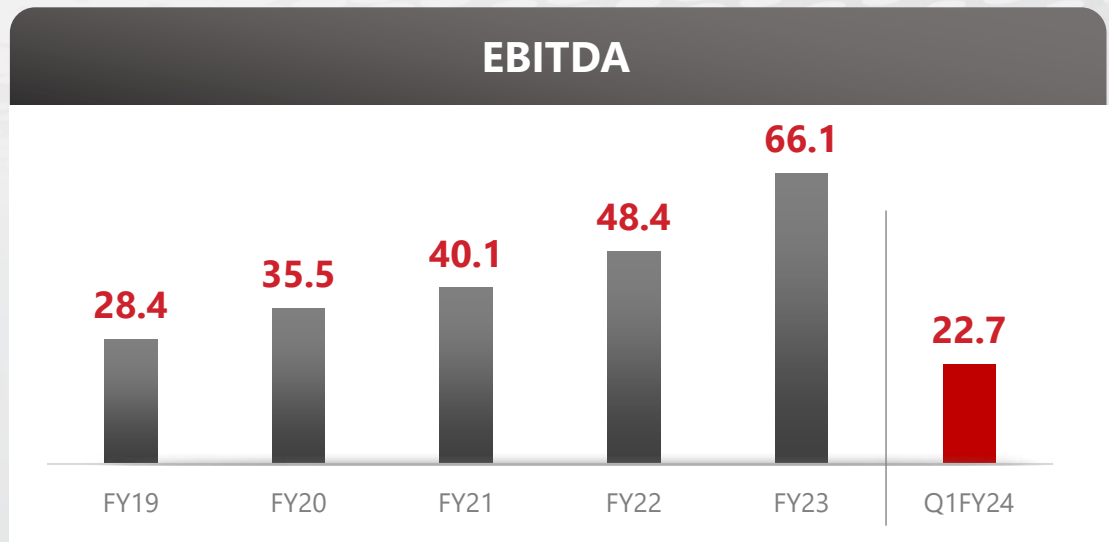
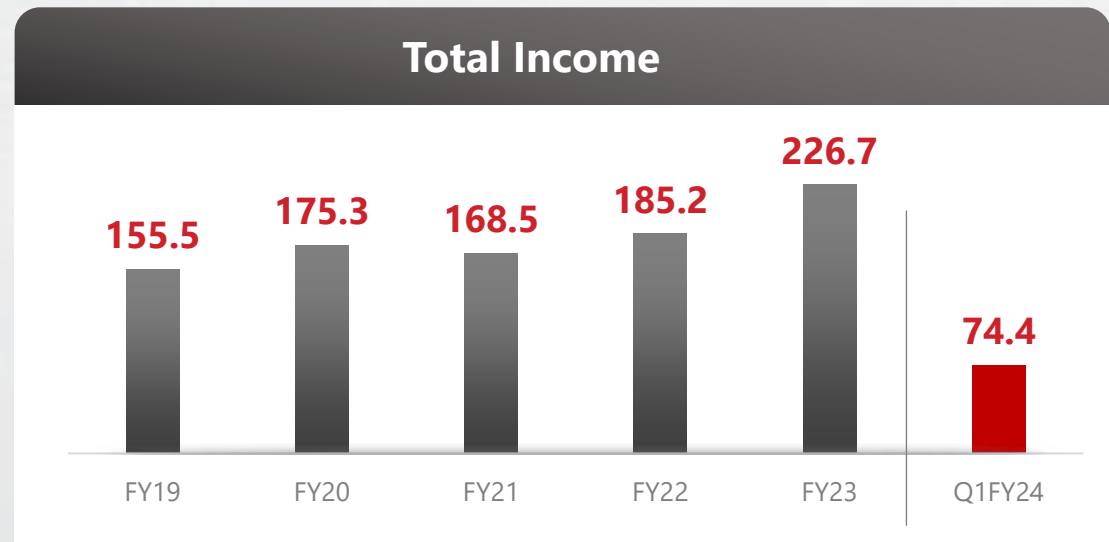
Chairman & MD

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."

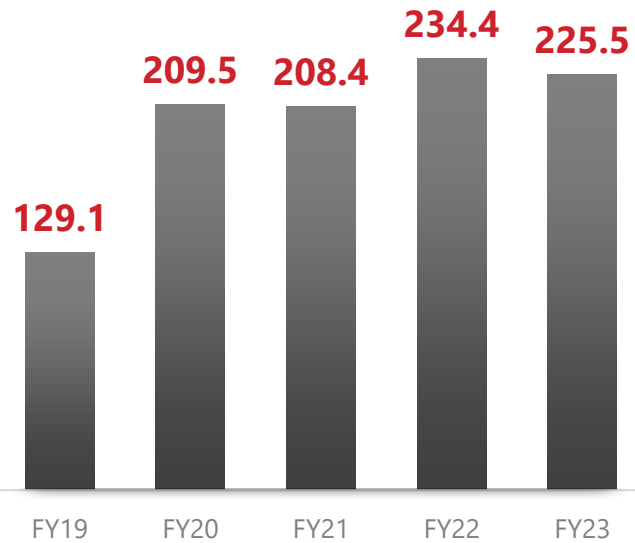
Key Financial Trends



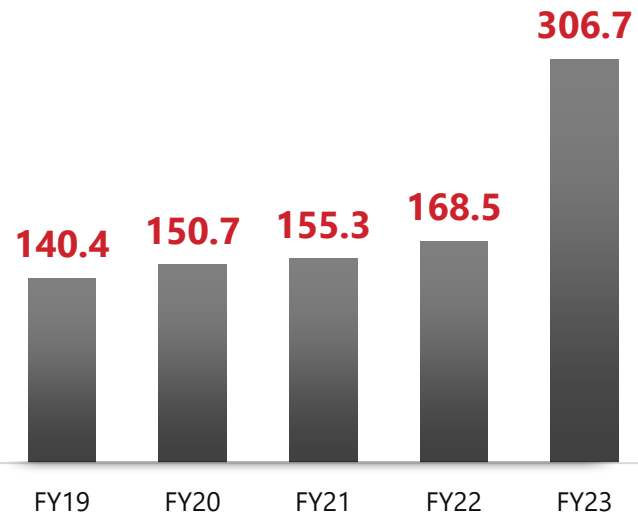
In Rs. Cr

Key Financial Trends

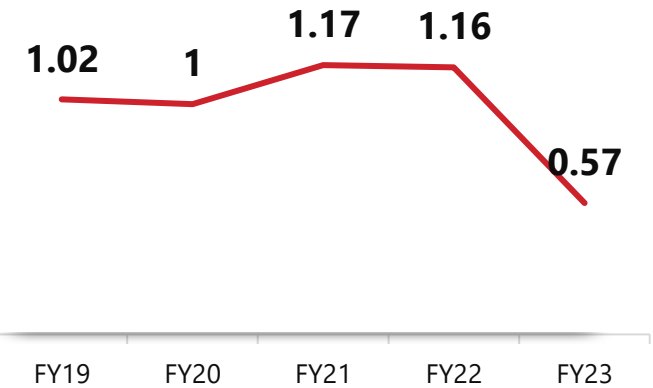
**Gross Property,
Plant & Equipment**



Total Equity



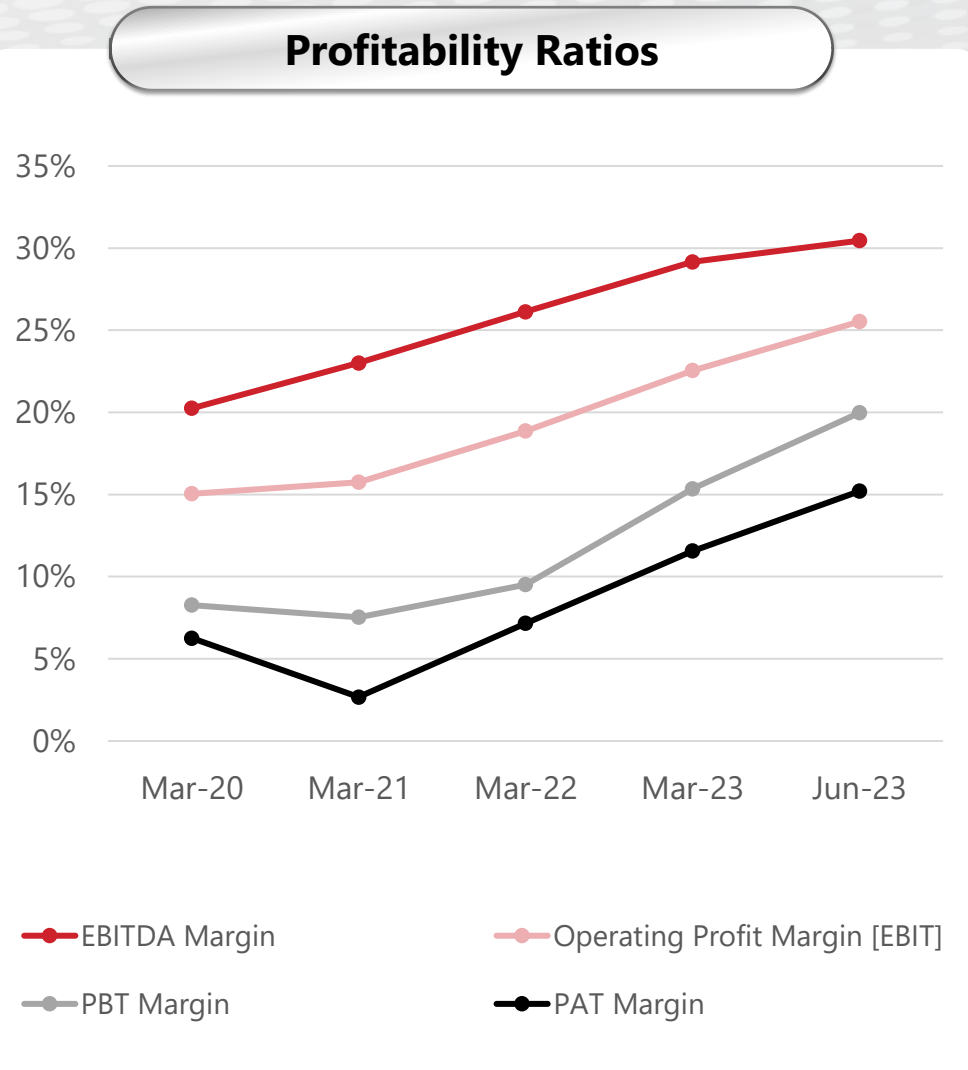
Debt to Equity (x)







In Rs. Cr

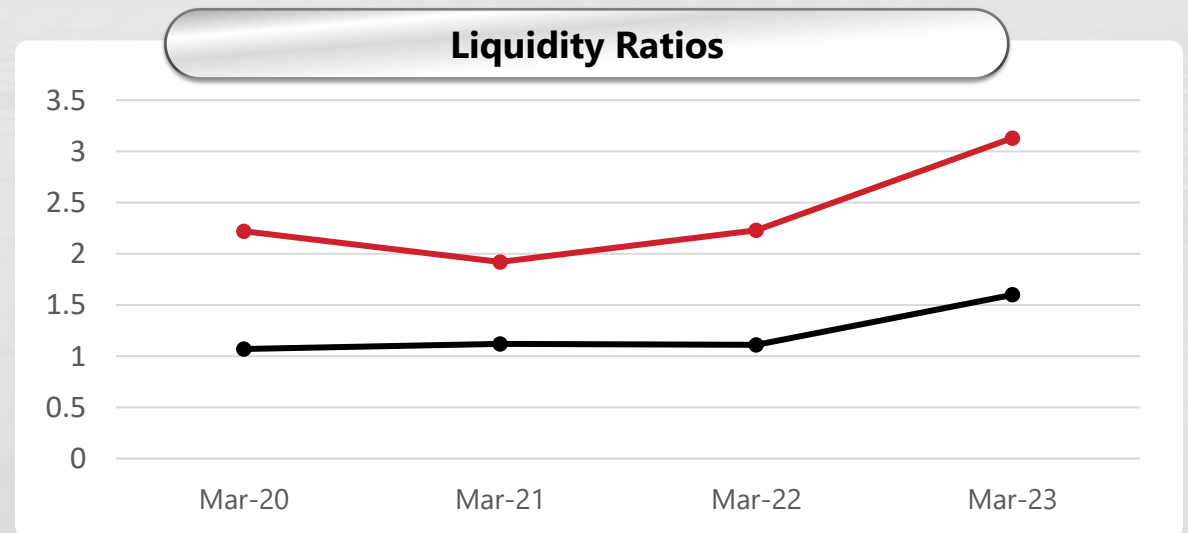
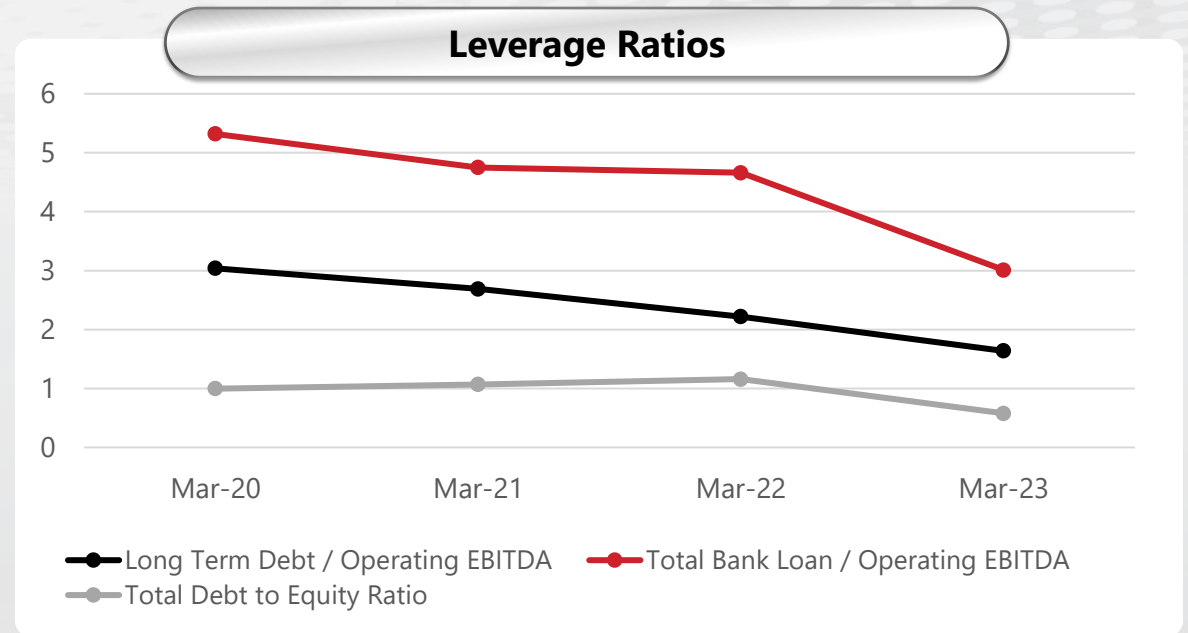
Accounting Ratios

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





PASSION & COLLABORATION

Contact Us

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