

# PTC Industries Limited

ADVANCED MANUFACTURING & TECHNOLOGY CENTER

Lucknow, U.P., India

# An Overview of PTC Industries

- Commenced operations from Lucknow 50 years back
- Leading supplier of castings, machined components & fabricated parts for critical and super-critical applications
- Manufacturing plants in UP, Gujarat & Rajasthan
- Employs over 1,000 people
- Exporting to major European countries & USA since 1986
- DSIR approved in-house R&D lab
- Awarded the *National Award for R&D in the Industry* for Replicast Technology in 2006
- Recipient of many export awards

# Products for various critical industrial applications

## Current

- Oil & gas
- Liquefied Natural Gas (LNG)
- Ships & Marine
- Valves & flowcontrol
- Power plants & turbines
- Pulp & paper manufacturing machinery
- Mining & earth-moving machinery

## Future

- Aerospace
- Offshore Oil & Gas equipments



Some of our customers...



Rolls-Royce®

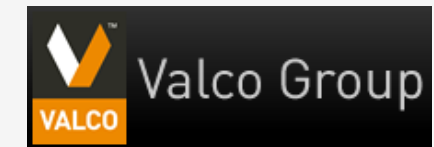


SIEMENS



tyco

ALSTOM





# The future – our new plant in Lucknow



A state of the art manufacturing facility with the latest technologies & automation



# Project Overview

- Hi-tech facility for manufacturing of precision castings for super critical applications (viz. Nuclear Power Plants, Defense, Turbines) up to 5,000 kgs single piece using RapidCast technology developed in-house by PTC
- 75,000 sq mts of land (already procured near Lucknow Airport), 15,000 sq mts of building
- Estimated investment of US\$ 30 million
- Production capacity of 1,000 M.T. a month
- Generation of over 2,000 jobs
- 1,000 KW rooftop Solar Power Plant and 3,000 KW Biogas Power Plant
- Approved by Ministry of Science & Technology – Govt. of India
- One of the biggest FDI investments in UP – US\$ 7 million, funded by IFC & CDC
- Development of worker housing & other amenities



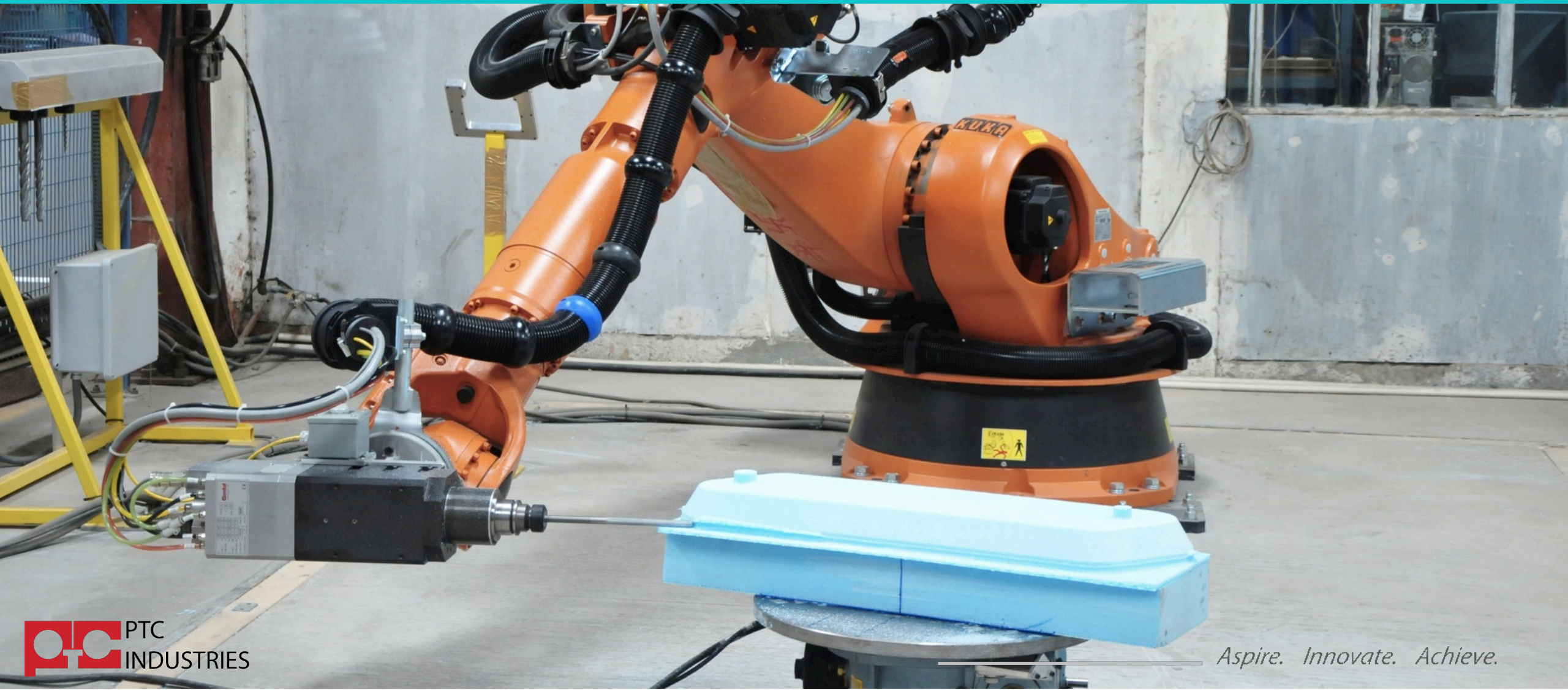
# Hi-tech manufacturing facility

- Latest CNC machines from Japan & Europe
- Use of Industrial Robots & automation in various manufacturing processes
- Use of latest software for simulation, 3-D modeling, ERP, CNC programming etc
- Argon Oxygen Decarburizer (AOD) and Vacuum Degassing equipment for metal refining
- Radiography of parts up to 10 inch thickness
- Vacuum Spectrometer for determining exact composition of any metal or alloy
- Gas analyzer for determining oxygen, hydrogen & nitrogen levels in metal
- Exclusive technical collaboration with UK's most renowned Castings Research Institution – Castings Technology International (CTI)
- Set up of a **Clean, Lean & Green** manufacturing plant



# Many firsts...

...world's first use of RapidCast technology for producing high integrity castings up to 5,000 kgs





...new technology to be introduced shortly – ForgeCAST... first and biggest in the world





...BIGGEST Industrial Robot in the world





...BIGGEST rooftop solar facility in India

