



CIE India

**AURANGABAD
ELECTRICALS LTD
Presentation**

2023

Index



CIE India

1. CIE India Overview
2. Aurangabad Electricals Ltd.
3. Products
4. Customer Recognition

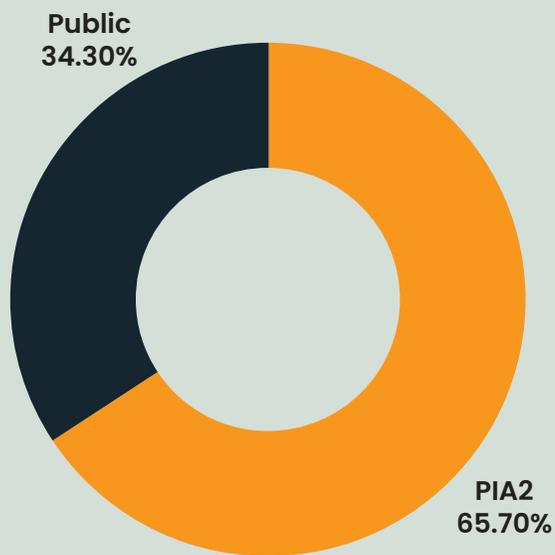


1 CIE India Overview

Who we are

CIE India is a subsidiary of CIE Automotive.

CIE India SHAREHOLDING



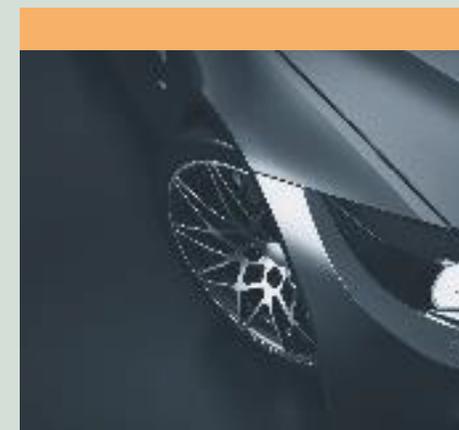
CIE India is listed on BSE and NSE in India.



33 plants and 13,000 + professionals, producing components in various countries and in various technologies.



- FORGING
- CASTING
- STAMPING
- MACHINING
- ALUMINIUM
- MAGNETS
- COMPOSITES



CIE India Global

Geographical distribution



CIE India Presence

Plant location

FORGING

1 IN PUNE
5 IN BANGALORE
1 IN HARIDWAR
2 IN COIMBATORE

CASTING

1 IN PUNE

COMPOSITES

2 IN PUNE

MAGNETS

1 IN PUNE



STAMPING

2 IN KAHNE (PUNE)
1 IN NASHIK
2 IN RUDRAPUR
1 IN ZAHEERABAD
1 IN NAGPUR

ALUMINIUM

1 IN PUNE
1 IN AURANGABAD
1 IN PANTNAGAR

MACHINING / GEARS

1 IN PUNE
1 IN RAJKOT

CIE India in Europe

Plant location

● CIE FORGING SPAIN AND LITHUANIA

- 3 Plants
- **Focused** on **Passenger Vehicles**

● METALCASTELLO (GEARS, ITALY)

- 1 Plant
- **Focused** on **Off-Highway & Agriculture**



Global Customer List

BAJAJ

KOBENSCHMIDT

BOSCH

MAHINDRA

CAT

MAN

DAIMLER

MARUTI

FIAT

NEXTEER

FORD

NIDEC

GKN

NTN

HERO

RENAULT

HYUNDAI

SAF

JLR – TATA

VOLKSWAGEN



2

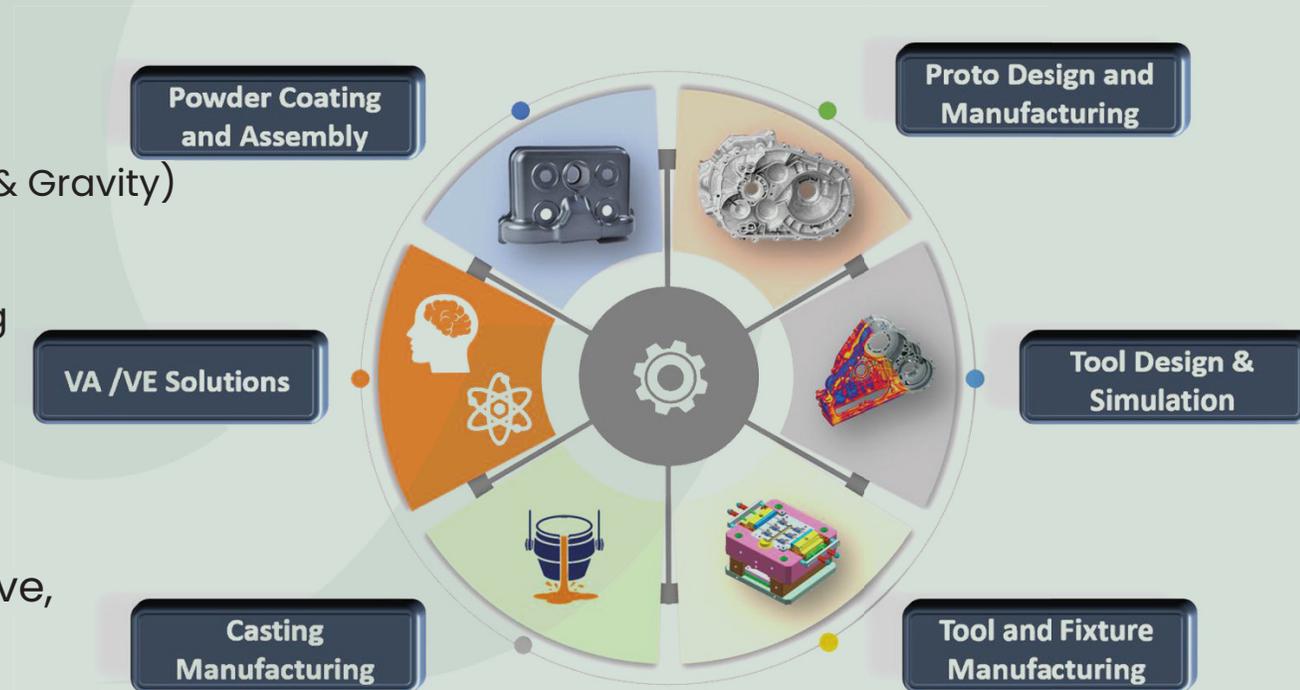
Aurangabad Electrical Ltd.
Division

CIE India AEL Overview

Aurangabad Electricals Limited (AEL):

- Incorporated in 1985
- 100% Subsidiary of CIE India (Subsidiary of CIE Automotive Group, Spain)
- Global 'Full-Service Provider' of aluminum cast and machined components
- One of Largest Aluminium Foundry with presence in HPDC & GDC

- 3 Manufacturing Locations in India
 - Aurangabad
 - Pune
 - Pantnagar
- Core Competencies :
 - Die Casting (High Pressure & Gravity)
 - Prototyping /Soft Tooling
 - Design (CAD /CAM /CAE)
 - In House Tool Manufacturing
 - Machining, Assembly and Powder Coating
 - Technology Centre
 - (Department of Scientific and Industrial Research)
- Casting Supplies to Automotive, E-Mobility, Agriculture



CIE India AEL – PRESENCE



INFRASTRUCTURE

GDC



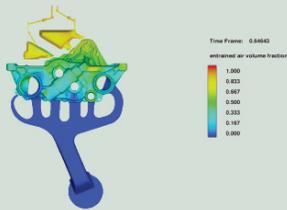
Installed Capacity :
More than 5,500 MT / Year
GDC With ROBOT – 03 Nos.
GDC With Auto Pourer – 04 Nos.
GDC With Manual Pourer – 28 Nos.
Sand Core Making Machines – 28 Nos.

HPDC

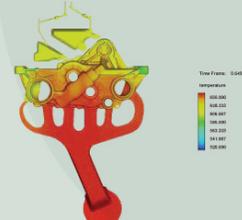


Installed Capacity :
More than 23,000 MT / Year
250T – 420T : 27 Nos
560T – 700T : 12 Nos
840T – 900T : 13 Nos

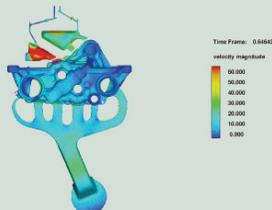
INFRASTRUCTURE DESIGN



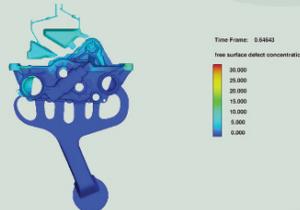
Air Entrapment



Temperature



Velocity



Surface Defect

TOOL MFG



- Tool Capacity :
27 Tools per month
- HPDC , GDC &
Trimming Tools
- Surface Treatments
 - o ABP Treatment
 - o PVD Coating

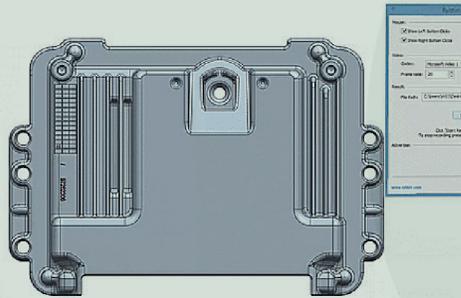
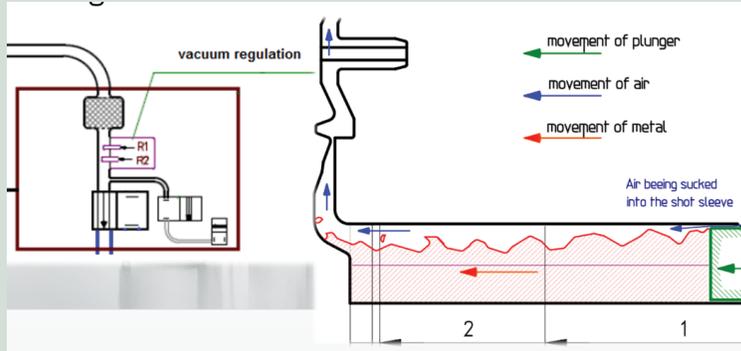


- Technologies Implemented
 - o Squeezing Pins
 - o Vacuum
 - o Jet cooling
 - o Thermo Regulations



CAPABILITY – DESIGN & ENGINEERING

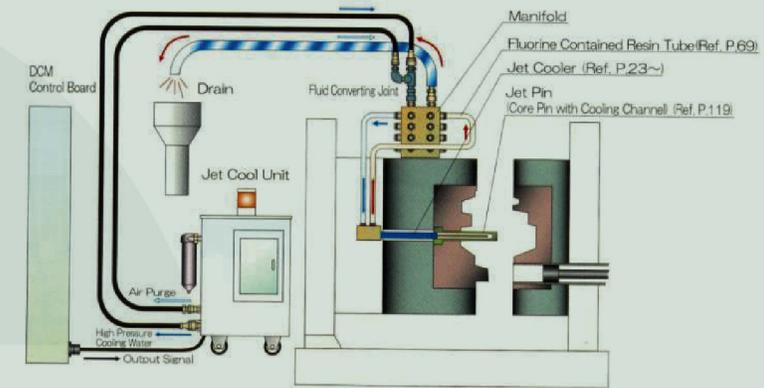
Vacuum Technology



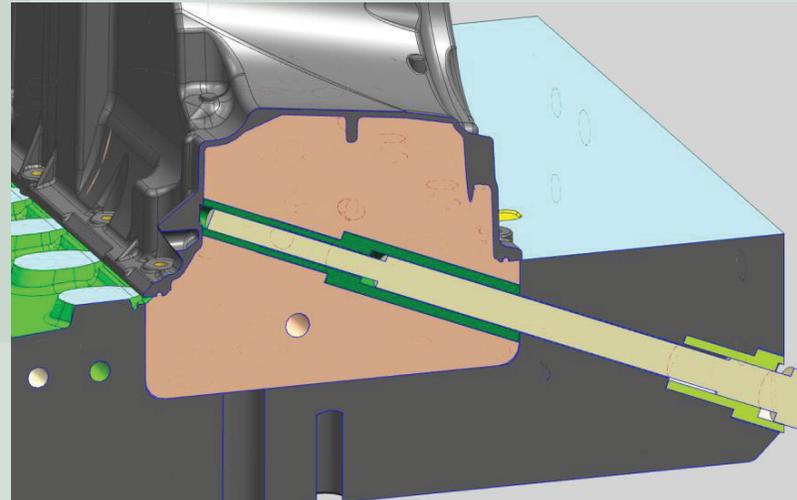
Components with less wall thickness can be produced using Vacuum technology to avoid non filling due to air entrapment.

Jet Cooling

- Cooling of small diameter core pins.
- Controlled cooling of area where soldering, shrinkage and leakage due to pressure is tends to occur



Partial Squeeze Technology



Partial Squeeze technology helps to reduce shrinkage porosity.

INFRASTRUCTURE – MACHINING



**VMC – 4 AXIS
Brother Speedio S700**



**HMC MAZAK
HCN4000**



**VMC – TWIN SPINDLE
CHIRON DZ15W MAGNUM**



**MULTISTEP – 5 AXIS
MIKRON XT-200**

INFRASTRUCTURE – QUALITY & TESTING



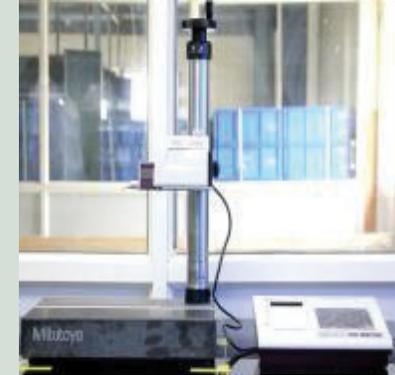
SPECTRO MACHINE



DENSITY METER



MILLIPORE TESTING



SURFACE FINISH



ZEISS CMM MACHINE



GE X - RAY



LEICA LAB PARTICLE COUNT

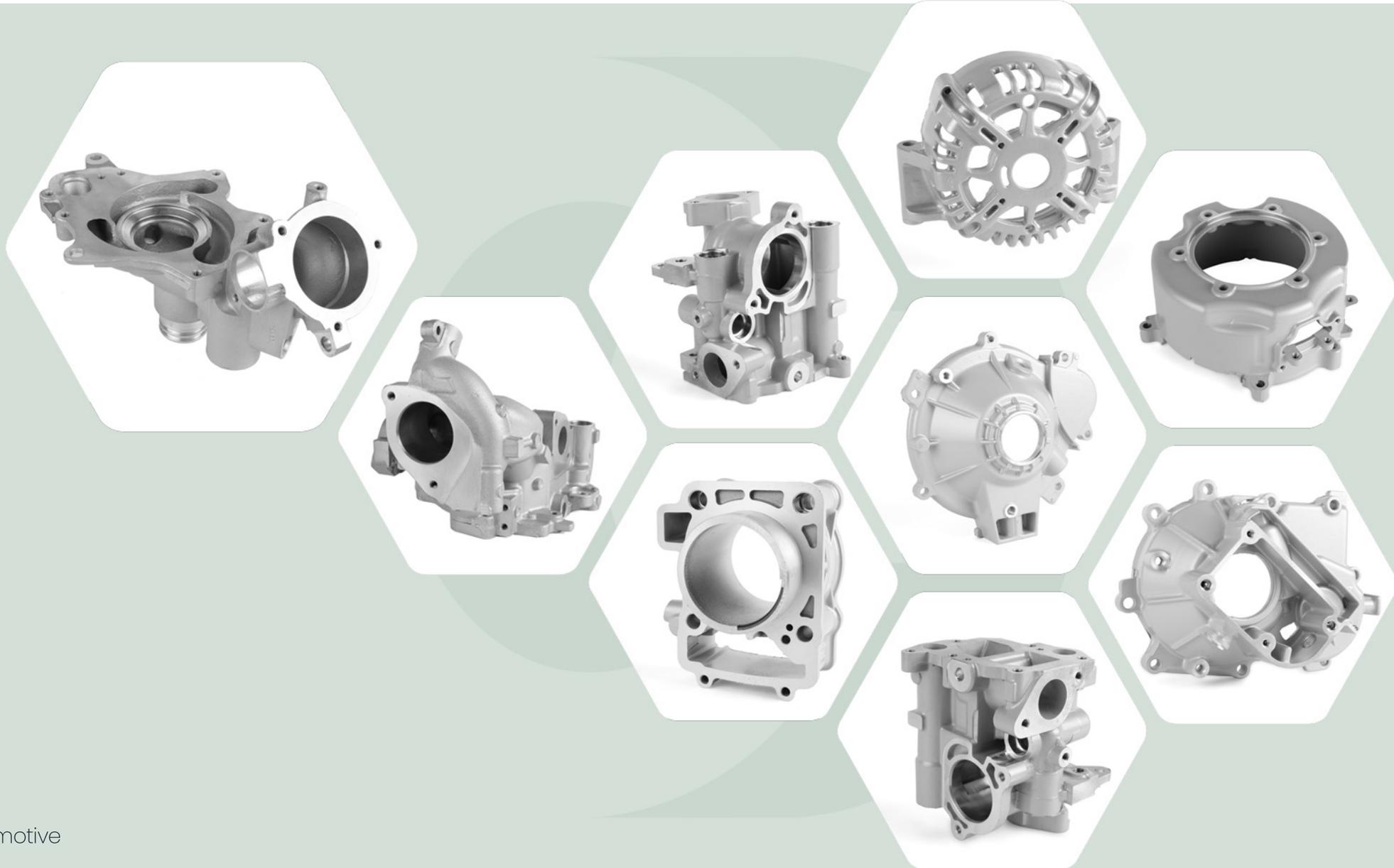


CONTRACER



3
Products

Products



Products





4 Customer Recognition

AWARDS AND RECOGNITIONS

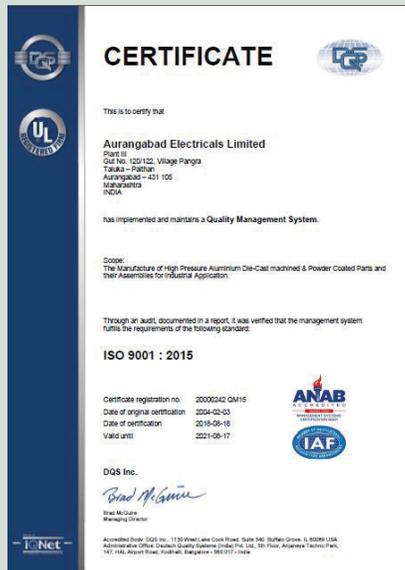


- JIPM TPM CONSITANCY AWARD
- TPM EXCELLANCE AWARD
- ZERO PPM
- QUALITY PERFORMANCE
- KAIZEN COMPITION
- DELIVERY PERFORMANCE
- BEST PERFORMER
- DEVELOPMENT

CERTIFICATIONS

We commit ourselves to delight our customers by manufacturing products synonymous with Quality & Reliability and total dedication of all our members to achieve the goal.

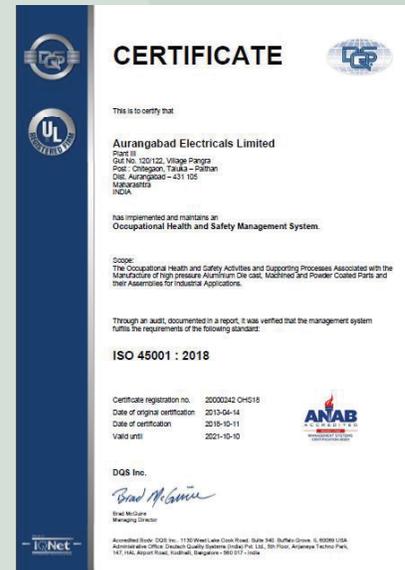
We adopt continual improvement philosophy in products & processes and also work towards energy conservation & environment protection & safety.



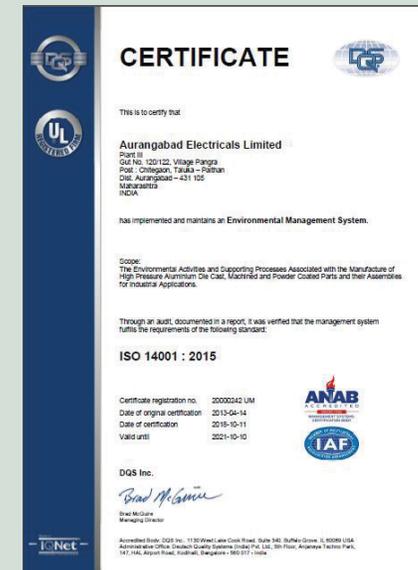
ISO 9001 : 2015



IATF 16949 : 2016



ISO 45001 : 2018



ISO 14001 : 2015

MCIE in India

Evolution

**OUR FOCUS
IS TO
KEEP GROWING
AT
HIGH PACE IN
INDIA
IN
COMING YEARS**

- Investment Capacity
- Organic Growth
- Greenfields & Acquisitions
- CIE Technology Transfer to India
- New Products introduction
- Increasing Exports
- Engineering Co-Development
- Global Automotive Market State-of-the-Art Technology
- Global Platform support



CIE India

THANK YOU