



**WE CONNECT**

**DOTS  
NETWORKS  
LIVES**

***msi* COMPOSITES,**



## Mobility Solutions Limited (MSL)

Established in 1998 as an ancillary unit of JCBL, Mobility Solutions Limited has grown to become a leading name in India's composites industry. Today, we stand as the largest and most trusted manufacturer and supplier of parts and components for railways, automotive, and industrial applications. With state-of-the-art manufacturing facilities, we offer comprehensive solutions from concept development to final delivery, adhering to customer specifications and both national and international standards.





MSL Composites combines advanced engineering and innovation to craft FRP/GRP parts such as Front Mask, Interior Paneling, Side Walls, Toilet Modules, and Ceiling Panels for Railways, Metros, Buses and a variety of other applications.



MSL Seating Systems is trusted for its commitment to comfort and durability. By engineering Seats, Window Frames, and Components with precision, it delivers reliable solutions.



MSL Techno Fab forges robust solutions in Heavy Fabrication, Engineering Precision Components in Heavy Machinery, Aluminum, and General Fabrication, delivering excellence to leading OEMs.



## Our Vision

Global engineering company with a diverse portfolio, consistently setting unique benchmarks by delivering innovative solutions, protecting the planet and winning trust of the stakeholders.

## Our Mission

Continually achieving next level of manufacturing excellence by investing strategically to foster innovative solutions for the customer's delight simultaneously fulfilling aspirations of all the stakeholders transparently.



# Connecting milestone by milestone

## OUR STORY

**2008**  
MSL Unit-II for Railway FRP and Window Frames.

**2011**  
JV formation with Stratiforme for Alstom business in India.

**2012**  
Started supply of Seats/Windows to SML & FRP Chennai Metro parts to Alstom.

**2013**  
Started supply to JV Partner Stratiforme of Talent 2 project of Bombardier.

**2014**  
Started supply to Integral Coach Factory- Chennai of Indian Railways.

**2016**  
Became an approved supplier for Indian Railways. Business award from Alstom for Sydney Metro & Lucknow Metro.

**2020**  
Started Metal Fabrication Business for Indian Railways. ISO 9001, ISO 3834 & EN 15085 Awarded.

**2021**  
Inception of MSL-AURA MAC to manufacture high precision measurement and control instruments.

**2022**  
Vande Bharat Nose Cone designed for the Indian Railways.

**2023**  
Got the order for 18 rake train sets consisting 16 coaches per rake for development. Supply and installation of Vande Bharat train interior like roof, side wall and toilets modules. Designed front mask, exterior, interior, paneling and interior door pillar for Tren Maya.

**2024**  
New facility created for advanced composite business. Supply started.

**1998**  
Inception of MSL as an ancillary of JCBL captive consumption.


**2003**  
ISO/TS 16949 certification.

**2004**  
Export of suspension components and PU cushions and dash pads to the USA.

**2006**  
Supply started to STUs.

**2007**  
MSL India joint venture with Group Happich Ellamp of Italy.

**2008**  
Export to USA GE Loco Parts. TATA approved MSL seats for their buses. ARAI approval awarded.





**CONNECTING**

**PRECISION WITH PERFECTION**



## What we do?

- An IRIS:2017 & ISO/TS 22163:2017 certified company that manufactures a wide range of FRP/GRP Parts.
- As an end-to-end solution provider, we encompass conceptual design, engineering, prototype development, testing, manufacturing, logistics support, installation and comprehensive after sales service.
- Sectors we cater: Metro, Railways, Automotive, Industrial, Defence & Aerospace and ABC (Architecture, Building & Construction) applications.

## What makes us stand apart?

- A leading multi-product and multi-technology player.
- End-to-end solutions provider.
- State-of-the-art manufacturing plants located in Lalru, Punjab with a total area of 41,700 Sq. m.
- We were among the top 5 companies in India, who acquired International Railways Industries Standard (IRIS) certification from TUV Rheinland, to supply FRP components to Metro / international rail projects.
- Among first in India to invest in 5-AXIS CNC machine for pattern manufacturing to reduce overall development time.
- ISO 9001:2015, IATF 16949:2016, IRIS:2017 and ISO/TS 22163:2017, ISO 3834-2 & EN-15085-2 certified manufacturing facility.
- Compliance with national and international standards.
- Successful execution of domestic and international projects for leading companies in India and abroad.



Built to last  
**OUR SOLUTIONS**

## RAILWAYS & METRO



Front Mask



Cab Interiors



Coach Interiors



Toilet Modules

## AUTOMOTIVE



Fascia



Driver Console



Caravan Interiors



EV Body & Allied Product

DEFENCE & AEROSPACE



Unmanned & Special Technologies

ARCHITECTURE, BUILDING & CONSTRUCTION



Building Facade & Allied Product



**CONNECTING**

**DREAMS WITH SUCCESS**

**OUR PROJECTS**

## CHENNAI METRO - FRONT MASK & CAB INTERIORS



### CHENNAI METRO - ALSTOM PHASE - I

- Year of start 2011-12
- Number of train sets-42

### CHENNAI METRO EXTENSION

- Year of start 2018-19
- Number of train sets-10

### HIGHLIGHTS

- Design and development done at Stratiforme France.
- After delivery of 1st 9 TS by Stratiforme to Alstom Brazil, the balance was made at MSL for Alstom India.



## Projects Undertaken

# SYDNEY METRO - FRONT MASK & CAB INTERIORS



### SYDNEY METRO - ALSTOM

- Year of start 2016-17
- Number of train sets-22

### SYDNEY METRO EXTENSION

- Year of start 2018-19
- Number of train sets-23

### HIGHLIGHTS

- Successfully supplied both orders.
- Design and development done at MSL India.



## Projects Undertaken

# LUCKNOW METRO - INTERIOR PANELS



### LUCKNOW METRO - ALSTOM

- Year of start 2016-17
- Number of train sets-20 of 4 cars

### HIGHLIGHTS

- Design and development done at MSL India.
- Successfully supplied.



## Projects Undertaken

# MUMBAI METRO - FRONT MASK & CAB INTERIORS



### MUMBAI METRO ML 3 - ALSTOM

- Year of start 2020-21
- Number of train sets-31

### HIGHLIGHTS

- Design and development done at MSL India.
- Successfully supplied.



## Projects Undertaken

# TALENT II METRO - FRONT MASK & CAB INTERIORS

**BOMBARDIER**  
the evolution of mobility

### TALENT II

- Executed through Stratiforme France JV partner Front Mask, Spoiler, Exterior Paneling.
- Successfully supplied.



## Projects Undertaken

### REGIO 2N METRO - FRONT MASK & CAB INTERIORS

**BOMBARDIER**  
the evolution of mobility

#### REGIO 2N

- Executed through Stratiforme France JV Partner Front Mask, Exterior and Interior Paneling.
- Successfully supplied.



## Projects Undertaken MEXICO RAILWAYS

**ALSTOM**

### TREN MAYA

- Front Mask Exterior.
- Interior Paneling.
- Coach Interior Door Pillar.
- 42 Train sets successfully supplied.



# Projects Undertaken

## LOCOMOTIVE - ROLLING STOCK



### WABTEC CORPORATION (FORMERLY GE TRANSPORTATION)

Supplying FRP Parts for their locomotive business in USA for Erie (PA) and Fort Worth (Texas) Plants since 2008.

Parts manufactured by RTM, Filament winding, compression moulding, and Hand Lay-up Process Gel coat and Painted finish.

- Toilet Enclosure with Door
- Vestibule Doors
- Battery Covers
- Insulation Tie Rings
- Sink
- Tie Baffle
- Shroud
- Driver Console



# Projects Undertaken INDIAN RAILWAYS



## INDIAN RAILWAYS LHB / STANDARD TRAINS

- Interior paneling for Driver Cabs
- Interior paneling for LHB Passenger Coaches
- Interior paneling for MEMU/MRVC/IGBT/DMU/DPC Coaches
- Locomotive parts
- Trough below AC cover
- Toilet Module



# Projects Undertaken

## INDIAN RAILWAYS



### INDIAN RAILWAYS TRAIN 18/ VANDE BHARAT TRAINS

- Nose Cone
- Modular Toilet
- Interior paneling
- Furnishing of full coach interior



## Projects Undertaken

### PUNE METRO - FRONT MASK & CAB INTERIORS



#### PUNE METRO LINE 3

- Year of start 2020-25
- Number of train sets-22

#### HIGHLIGHTS

- Design and development done at MSL India.
- Successfully supplied.



## Projects Undertaken

### PASSENGER SEATS



- Year of start : 2025
- Delivery Location : TRADINSA, Spain
- Number of Seats (4S/3S) : 117 Nos

#### HIGHLIGHTS

- Development done at MSL India
- Successfully supplied.



## Projects Undertaken

### INTERIOR WINDOW LINING



- Year of start : 2025
- Delivery Location : USA
- Number of Coach set: 4 Sets

#### HIGHLIGHTS

- Development done at MSL India
- Successfully supplied.



Projects Undertaken  
**AUTOMOTIVE**



**SCHOOL BUS AND STAFF BUS**

Year of start-2025

Yearly 1000 to 2000 Bus Sets

**PRODUCTS MANUFACTURED:**

Front and Rear Fascia, Front and Rear Inner Dome, Wheel Cover.



Projects Undertaken  
**AUTOMOTIVE**



**SML MAXI CAB**

Year of start-2025

Production: 100-500 Bus Sets Annually

**PRODUCTS MANUFACTURED:**

Front and Rear Fascia, Front  
and Rear Inner Dome.



## Projects Undertaken **AUTOMOTIVE**



### **TATA MOTORS THROUGH JCBL : SCHOOL BUS AND STAFF BUS**

Year of start-2025

Production: 500-1000 Bus Sets Annually

### **PRODUCTS MANUFACTURED :**

Front and Rear Fascia, Front and Rear  
Inner Dome, Wheel Cover, Dashboard  
and Bonnet.



# Projects Undertaken

## AUTOMOTIVE



### JCBL LIMITED: BUSES

Year of Start: 2000

Production: 2000-3000 Bus Sets Annually

### PRODUCTS MANUFACTURED:

Front and Rear Fascia, Front and Rear Inner Dome, Wheel Cover, Dashboard and Bonnet.



## Projects Undertaken

### DEFENCE & AEROSPACE

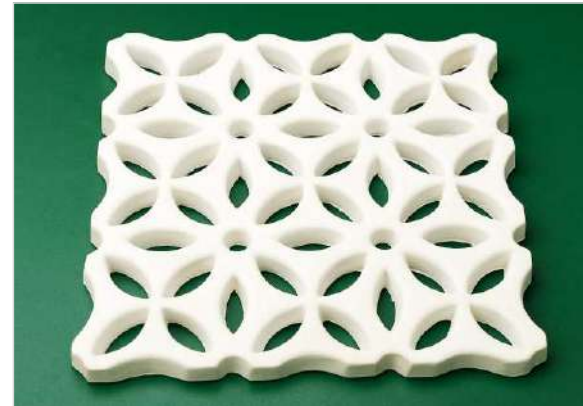
- Unmanned Aerial Vehicle (UAV)/Drone body parts & structures.
- Year of start : 2025
- Material Composition : Glass and carbon Composites in Wet layup & Prepregs.
- Manufacturing Process : Resin Infusion and Vacuum Bagging.



## Projects Undertaken

### ARCHITECTURE, BUILDING & CONSTRUCTION (ABC)

- Building Façade, Claddings & Architectural Mouldings
- Year of start : 2025
- Material Composition : Glass Reinforced Concrete (GRC) & Glass Reinforced Plastic (GRP)





**CONNECTING**

**STRENGTH WITH STANDARDS**

Where excellence meets precision

**INFRASTRUCTURE**



**msl** TECHNO FAB



**msl** COMPOSITES



**msl** SEATING SYSTEMS



LRTM Area



Lamination Area



Clean Room (CCA 100K Class - ISO 8)



Gelcoat Booth



Paint Booth



Cold Storage (-18°C)



Curing Oven with Vacuum Facility



GRC Mixing Machine



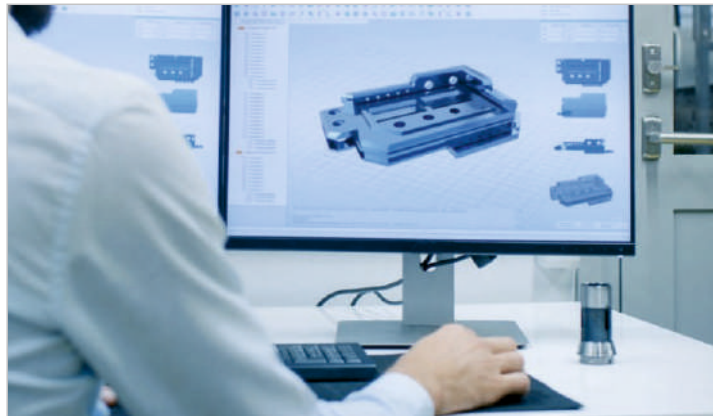
GRC Spray Machine

A strict no quality compromise  
**OUR PROCESS CAPABILITIES**



**Superior Manufacturing Processes**

- Controlled Contact Moulding
- VARTM
- Resin Infusion
- Filament Winding
- Vacuum Bagging
- Bonding
- Painting



End-to-end design, Engineering  
and tooling of all critical components



State-of-the-art Machinery and  
Advanced Technology Integration



In-house Testing and Stringent  
Quality Control Systems

## A commitment to zero error

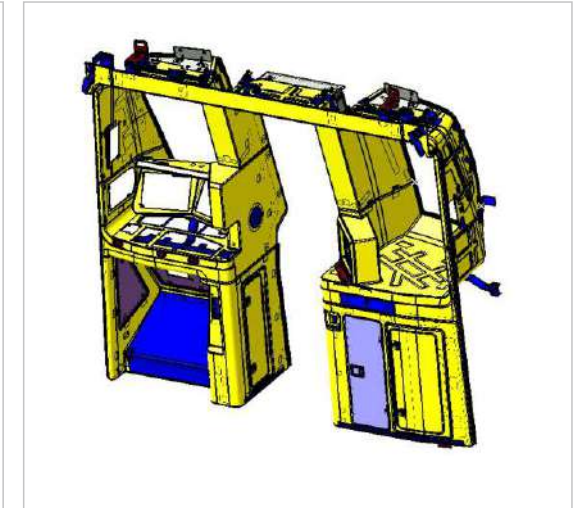
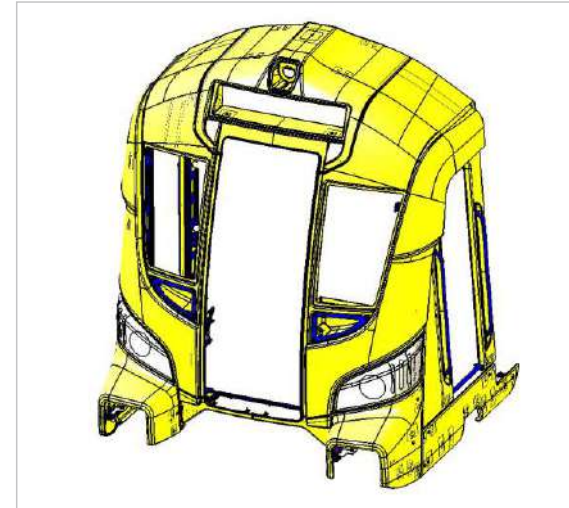
### RESEARCH AND DEVELOPMENT

#### DESIGN CAPABILITIES

- Concept Styling
- 3D Modelling
- Drafting
- Prototyping
- Full Scale Modelling
- Material Characterization
- FEA
- FRP Panel Design

#### R&D CAPABILITIES

- Prototype Development and Testing
- Static and Dynamic Analysis
- Pattern & FRP Mold Manufacturing
- FRP Parts Development for Indian Railways & Metros
- Material Testing at Independent Laboratories
- Structure Design and Analysis
- Computer-aided Design
- In-house Fixtures/Tools & Gauges
- Advanced Product Quality Planning



# Narrating a story of trust and reliability

## OUR TESTING FACILITY



Izod Impact Tester  
MSFRT-08



Limiting Oxygen Index  
MSFRT-06 EB 01



Weighing Scale  
MSFRT-02 | Range: 0g to 200g



Hot Air Oven  
MSFRT-02 | Range: 0°C to 1000°C



Smoke Visibility Tester  
MSFRT-06



Toxicity Tester  
MSFRT-06



Universal Testing Machine  
MSFRT-1  
Tensile Load Capacity-5000 kg  
Flexural Load Capacity-225 kg



Spread of Flame Tester  
FR 01



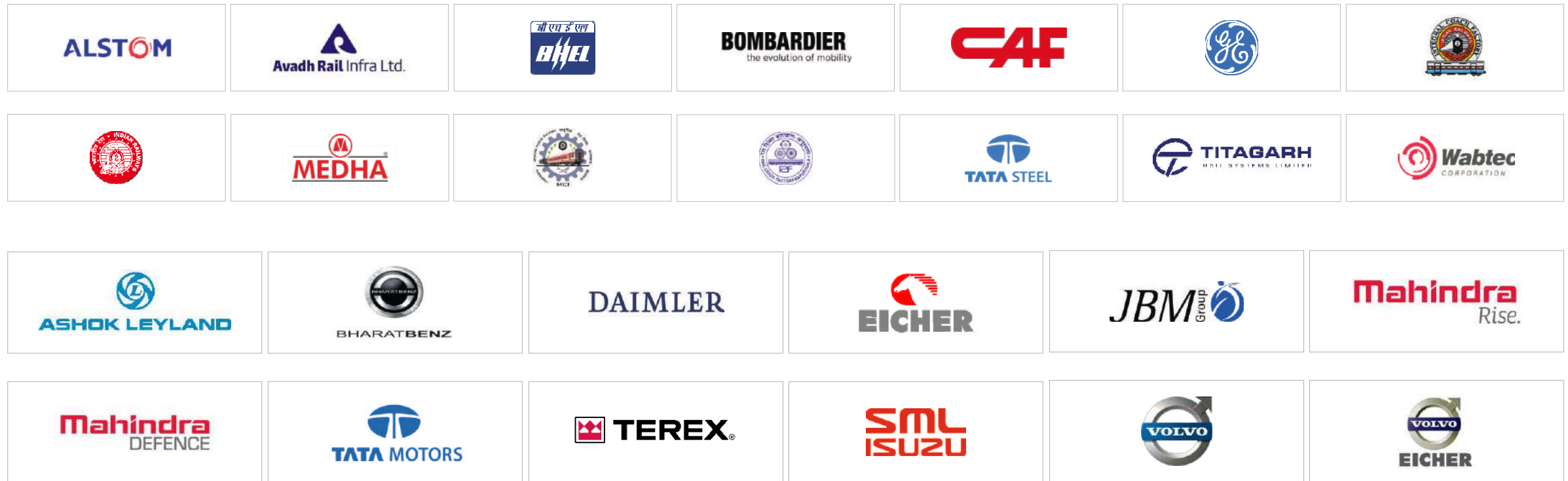
Muqe Furnace  
MSFRT-3  
Range: 0°C to 1000°C



Conditioning Chamber  
CC-01, CC-02  
Range CC-01: 20°C-40°C, 54-99% RH  
Range CC-02: 20°C - 40°C, 40-70% RH

Empowering endless possibilities

OUR CLIENTS





**When inspired minds come together,  
miracles happen.**



**CONNECTING**

**ASPIRATIONS AND DREAMS**

# A story of passion and innovation

## JCBL GROUP

Rooted in India's rich values and strong ethics, The JCBL Group stands as a beacon of passion and inspiration. Established in 1989, we have transformed a bold vision into a dynamic reality, positively impacting the lives of over a billion individuals worldwide. Driven by the "Make in India" initiative, we take pride in delivering diverse solutions that impact lives and businesses globally.

From initial foray into mobility solutions, today we have established a strong presence across key sectors of the economy, including Mobility Applications, Defense and Aerospace, Parts and Components for Railways and Buses, Agriculture, Finance, Health and Wellness, and International Business. We have also collaborated with global leaders like Toyota, and Harley-Davidson bringing world-class experiences to Indian roads, furthering our mission to empower India's growth and future.

### Vision

To be a market leader, sustaining domestic leadership and global presence through innovation, quality and value-added growth.

### Values

Customer Success, Trust and Transparency, Passion for Innovation, Long Term Commitment.



# Leadership with trust

## GROUP AT A GLANCE

- 35+ years of experience
- 20% CAGR since last 2 decades
- Diverse product portfolio catering to various sectors of the economy
- 216.87 million US\$ conglomerate
- 5 manufacturing plants
- 27,63,969 square feet manufacturing area
- 3000+ employees







A strong customer base of leading OEMs, Government Ministries and Government undertakings like Ministry of Defence, Ministry of Transportation, ISRO, DRDO, NACO to name a few, STUs, Railways and Metro like Indian Railways, Alstom, Bombardier and many more.







Touching a billion lives everyday

JCBL GROUP BUSINESSES



MANUFACTURING

	Mobility Applications
	Parts and Components for Railways, Buses and Industries
	Defence and Aerospace Solutions
	Measurement and Control Instruments
	Agricultural Implements
	Product Design and Manufacturing

TRADING AND RETAIL

	Passenger Cars
	Lifestyle Motorcycles
	Insurance
	Automobile Accessories

INTERNATIONAL BUSINESS

	Hand tools and Garden Tools, Automoto Spare Parts and Accessories, Classic Car Restoration Parts, Farm Implements, Machinery and Parts, Furnishing and Construction Material
	Smart Manufacturing Solutions

# CERTIFICATIONS AND APPROVALS



IATF 16949



ISO 9001:2015



CMMI Level 3



ISO/IEC 27001:2013



EN ISO 3834-2:2005



EN 15085-2



AS 9100D



Registered with  
Ministry of Defence-DGQA



IRIS 22163-2017







PESO Certified



# OUR PRESENCE



## Manufacturing

### Existing Manufacturing Units

- |  |   |
|--|---|
|  JCBL               |  ADSL NORTH              |
|  MSL                |  ADSL SOUTH              |
|  MSL COMPOSITES     |  ADSL PARACHUTE FACILITY |
|  MSL SEATING SYSTEM |   |
|  MSL TECHNO FAB     |   |

### ADSL Electronics Lab

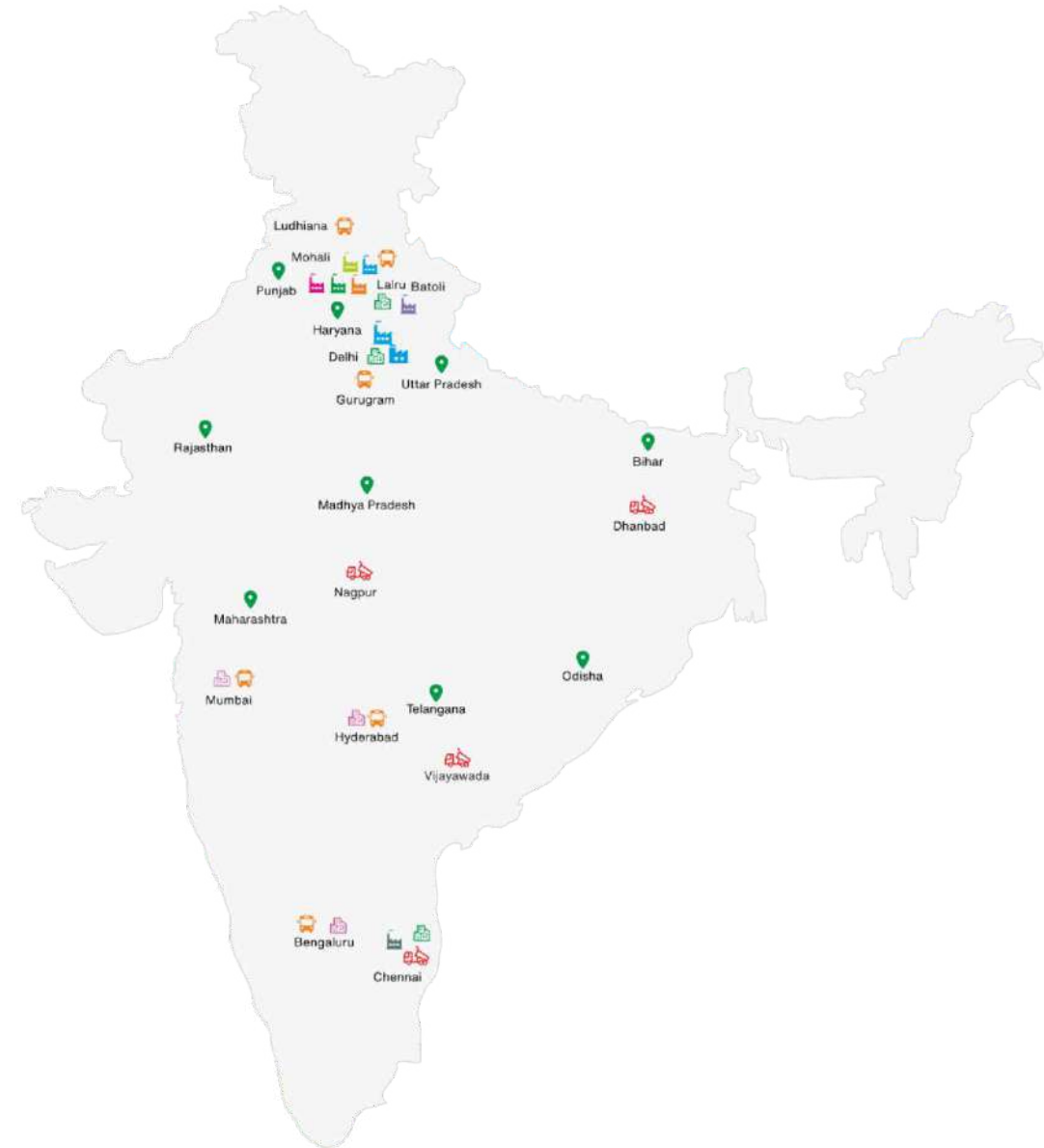
### JCBL Marketing Office

-  Existing
-  Proposed

### Service Facilities

-  Bus
-  Tippers

### Agri Dealer Network



# GLOBAL FOOTPRINT

## JCBL INDIA

### 📍 Network

- BELARUS
- ECUADOR
- EGYPT
- FRANCE
- GERMANY
- HUNGARY
- INDONESIA
- IRELAND
- MACEDONIA
- MALAYSIA
- SLOVAKIA
- SPAIN
- THAILAND
- TUNISIA
- CANADA
- POLAND
- NETHERLANDS
- SWITZERLAND
- ITALY
- BULGARIA
- AUSTRIA
- UKRAINE
- RUSSIA
- SYRIA
- IRAQ
- IRAN
- CAMBODIA
- VIETNAM
- MONGOLIA
- SOUTH KOREA
- MEXICO
- GUATEMALA
- URUGUAY
- PANAMA
- COLOMBIA
- ARGENTINA
- BOLIVIA
- TURKEY
- DUBAI
- JORDAN
- SAUDI ARABIA
- ALGERIA
- MOROCCO
- LIBYA
- IVORY COAST
- PERU
- CHILE
- SOUTH AFRICA
- USA

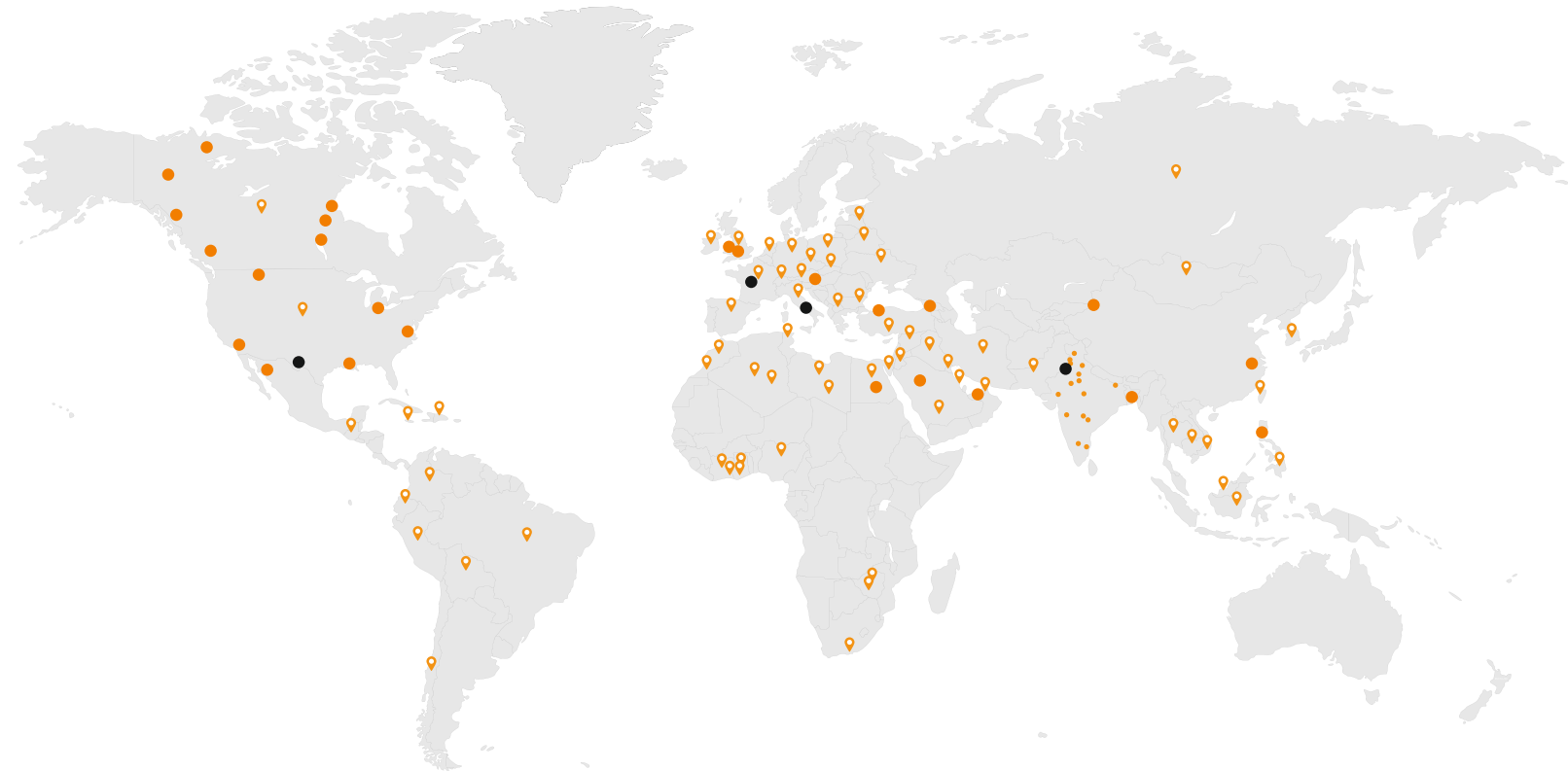
## AURA MAC

### ● Operations

- INDIA
- MILAN, ITALY
- HOUSTON, TEXAS, USA,
- FRANCE, EUROPE

### ● Channel Partners

- London, UK
- Birmingham, UK
- Cairo, Egypt
- Kingdom of Saudi Arabia
- Dubai, UAE
- Bangladesh
- Philippines
- Mexico
- Vancouver, Canada
- Edmonton, Canada
- Toronto, Canada
- Washington DC, USA
- New Orleans, USA
- Los Angeles, USA
- Cleveland, Ohio, USA



[www.mslcomposites.com](http://www.mslcomposites.com)



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