



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





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 to: 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 early leading companies in India, who acquired International Railway & Industries Standard (IRIS) certification from TUV Rheinland, to supply FRP components to international Rail/Metro 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 were 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 were 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 were done at MSL India.
- Successfully supplied.



Projects Undertaken

MUMBAI METRO - FRONT MASK & CAB INTERIORS

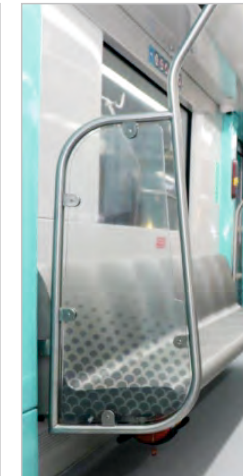


MUMBAI METRO ML 3 - ALSTOM

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

HIGHLIGHTS

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



Projects Undertaken

TALENT II METRO - FRONT MASK & CAB INTERIORS

BOMBARDIER
the evolution of mobility

TALENT II

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



Projects Undertaken

REGIO 2N METRO - FRONT MASK & CAB INTERIORS



BOMBARDIER
the evolution of mobility

REGIO 2N

- Executed through JV partner Stratiforme, France.
- Supplied Front Mask, Exterior and Interior Panelling.
- 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 its locomotive business in USA for Erie (PA) and Fort Worth (Texas) Plants since 2008.

Parts manufactured using RTM, filament winding, compression moulding and hand lay-up processes, with 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 were done at MSL India.
- Successfully supplied.



Projects Undertaken

BOSTON METRO - INTERIOR WINDOW LINING



- Year of start: 2025
- Delivery location: USA
- Number of coach sets: 94

HIGHLIGHTS

- Development was done at MSL India.
- Prototype successfully supplied; balance quantity under execution.



Projects Undertaken

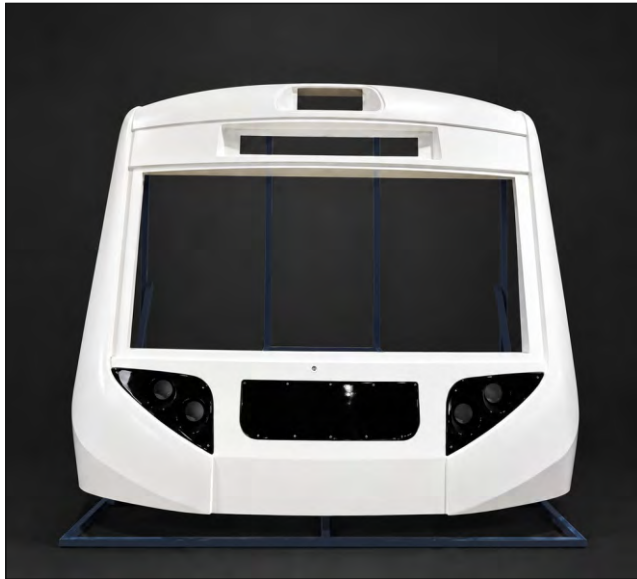
MEDELLÍN METRO - FRONT MASK & INTERIOR



- Year of start: 2025
- Delivery location: Mexico
- Number of coach sets: 13

HIGHLIGHTS

- Design and Development were done at MSL India.
- Prototype successfully supplied; balance quantity under execution.



Projects Undertaken

CHILE METRO - FRONT MASK & INTERIOR



- Year of start: 2025
- Delivery location: Mexico
- Number of coach sets: 7

HIGHLIGHTS

- Design and Development were done at MSL India.
- Prototype successfully supplied; balance quantity under execution.



Projects Undertaken

NS DDNG - INTERIOR PANELING FOR DOUBLE DECKER TRAIN



- Year of start: 2025
- Delivery location: Spain
- Number of train sets: 60

HIGHLIGHTS

- Design and Development were done at MSL India.
- Prototype successfully supplied; balance quantity under execution.



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

DEFENCE & AEROSPACE

- Tactical vehicle hoods
- Year of start: 2021
- Material Composition: Glass-Polyester
- Manufacturing Process: Controlled contact moulding



- Parachute Platform
- Year of start: 2026
- Material Composition: Glass-Epoxy
- Manufacturing Process: Controlled contact moulding



Projects Undertaken

ARCHITECTURE, BUILDING & CONSTRUCTION (ABC)

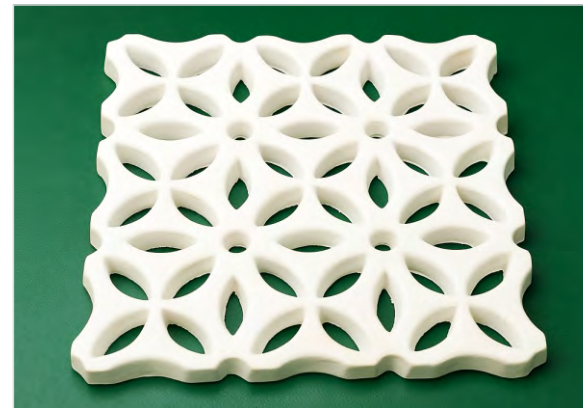
- Building Façade, Claddings & Architectural Mouldings
- Year of start : 2025
- Material Composition : Glass Reinforced Concrete (GRC) & Glass Reinforced Plastic (GRP)



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



Gelcoat Booth



Paint Booth



Clean Room (CCA 100K Class - ISO 8)



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

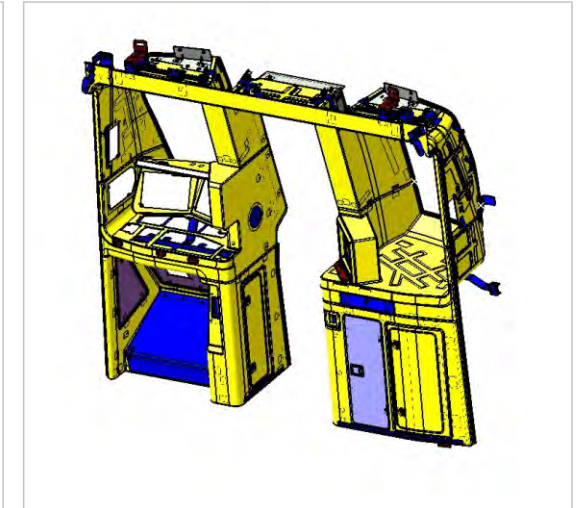
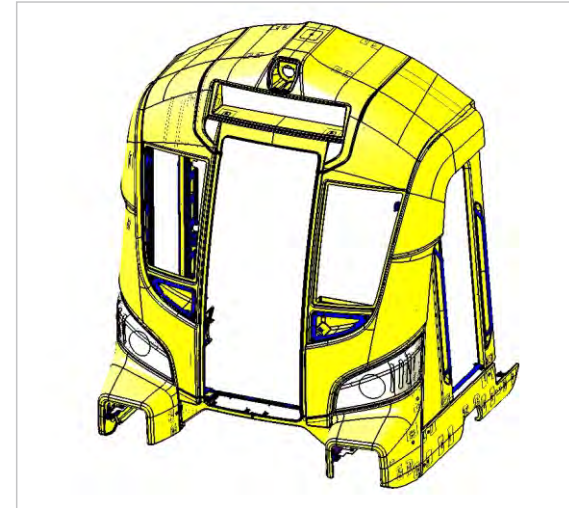
RESEARCH AND DEVELOPMENT

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



Weighing Scale
MSFRT-06 EB 01 | Range: 0g to 200g MSFRT-02 | Range: 0°C to 1000°C



Hot Air Oven



Smoke Visibility Tester



Toxicity Tester



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



Spread of Flame Tester
FR 01



Muffle 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



ALSTOM



BOMBARDIER
the evolution of mobility



DAIMLER



Mahindra
Rise.

Mahindra
DEFENCE



SML
ISUZU





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



CONNECTING

ASPIRATIONS AND DREAMS

A story of passion and innovation

JCBL GROUP



Anchored in India and guided by timeless values and strong ethics, the JCBL Group is a story of vision, passion and perseverance - a journey that began in 1989 and today touches over a billion lives across continents. From our humble beginnings in mobility solutions, we have evolved into a diversified powerhouse with a strong presence across key sectors - including Mobility Applications, Defence and Aerospace, Parts and Components for Railways, Metros and Buses, International Business and Automobile.

Driven by a pursuit of excellence and a commitment to enriching lives, we have also partnered with global leaders to deliver world-class experiences across businesses and communities. Our success is deeply rooted in our founding philosophy of Nation Building, guided by the enduring belief in Making Lives Better - a principle that continues to define our growth, purpose and contribution to a self-reliant India.

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 conglomerate
- 9 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
	Product Design and Manufacturing

TRADING AND RETAIL

	Passenger Cars
	Automobile Accessories

INTERNATIONAL BUSINESS

	Hand Tools Garden Tools and Decor Automoto Spare Parts and Accessories Classic Car Restoration Parts Farm Implements Machinery and Parts Furnishing and Construction Material Solar and Automotive Battery
	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



LRQA Certified
International
Convention for
Safe Container



OUR PRESENCE

Existing Manufacturing Facilities

-  JCBL North

 ADSL North

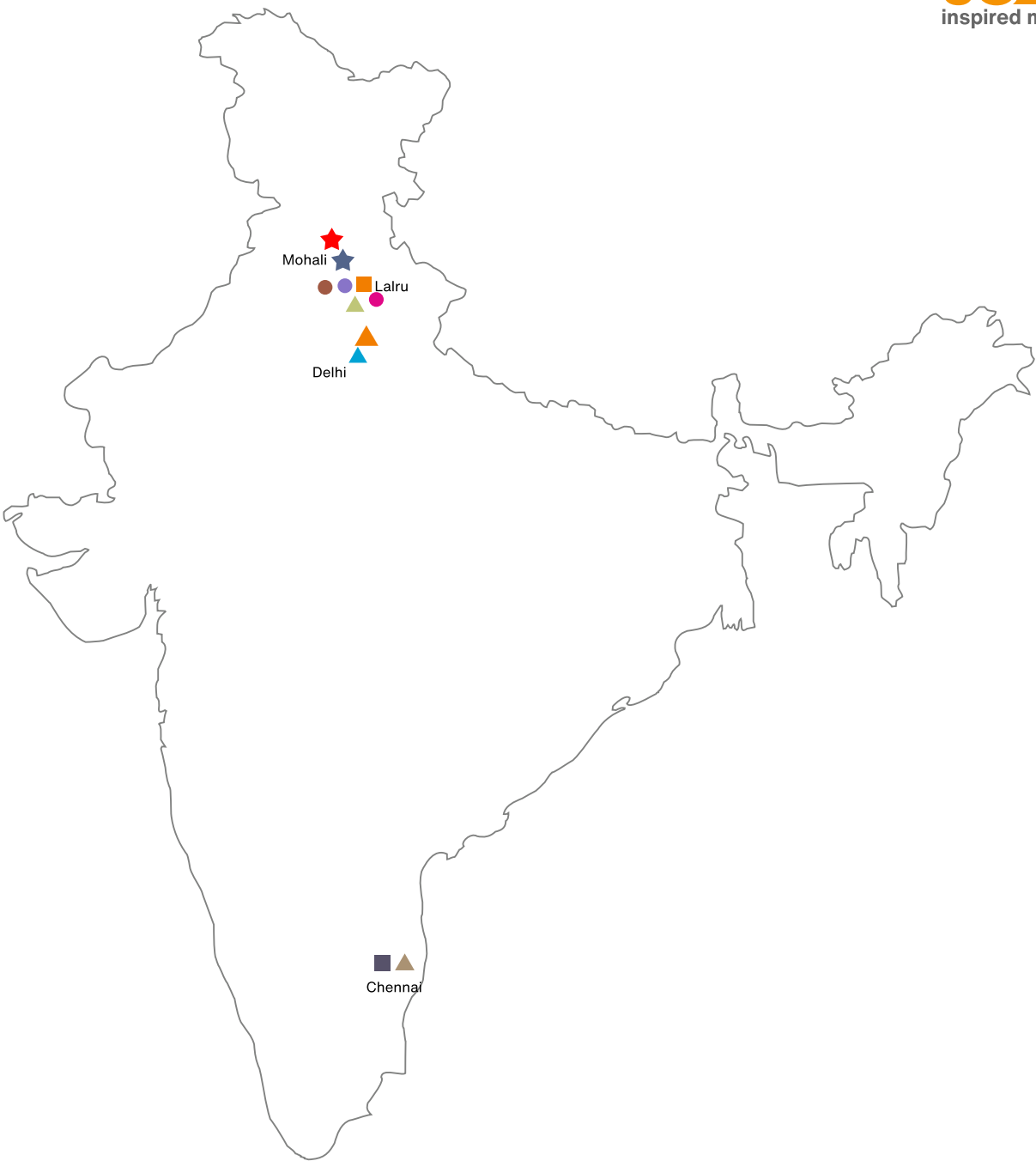
 MSL Composites
-  JCBL South

 ADSL South

 MSL Seating System
-  ADSL Parachute Facility

 MSL TechnoFab
-  ADSL Defence Electronics Production Shop
-  JCBL Corporate Office

 Globe Toyota Corporate Office



GLOBAL FOOTPRINT

JCBL INDIA

📍 Network

- | | | |
|---------------|---------------|---------------------------------|
| ▪ Belarus | ▪ Austria | ▪ Libya |
| ▪ Ecuador | ▪ Ukraine | ▪ Ivory Coast |
| ▪ Egypt | ▪ Syria | ▪ Peru |
| ▪ France | ▪ Iraq | ▪ Chile |
| ▪ Germany | ▪ Iran | ▪ South Africa |
| ▪ Hungary | ▪ Cambodia | ▪ USA |
| ▪ Indonesia | ▪ Vietnam | ▪ Israel |
| ▪ Ireland | ▪ Mongolia | ▪ UAE |
| ▪ Macedonia | ▪ South Korea | ▪ Central America |
| ▪ Malaysia | ▪ Mexico | ▪ Greece |
| ▪ Slovakia | ▪ Guatemala | ▪ UK |
| ▪ Spain | ▪ Uruguay | ▪ KSA (Kingdom of Saudi Arabia) |
| ▪ Thailand | ▪ Panama | ▪ Australia |
| ▪ Tunisia | ▪ Colombia | ▪ New Zealand |
| ▪ Canada | ▪ Argentina | ▪ Portugal |
| ▪ Poland | ▪ Bolivia | |
| ▪ Netherlands | ▪ Turkey | |
| ▪ Switzerland | ▪ Jordan | |
| ▪ Italy | ▪ Algeria | |
| ▪ Bulgaria | ▪ Morocco | |

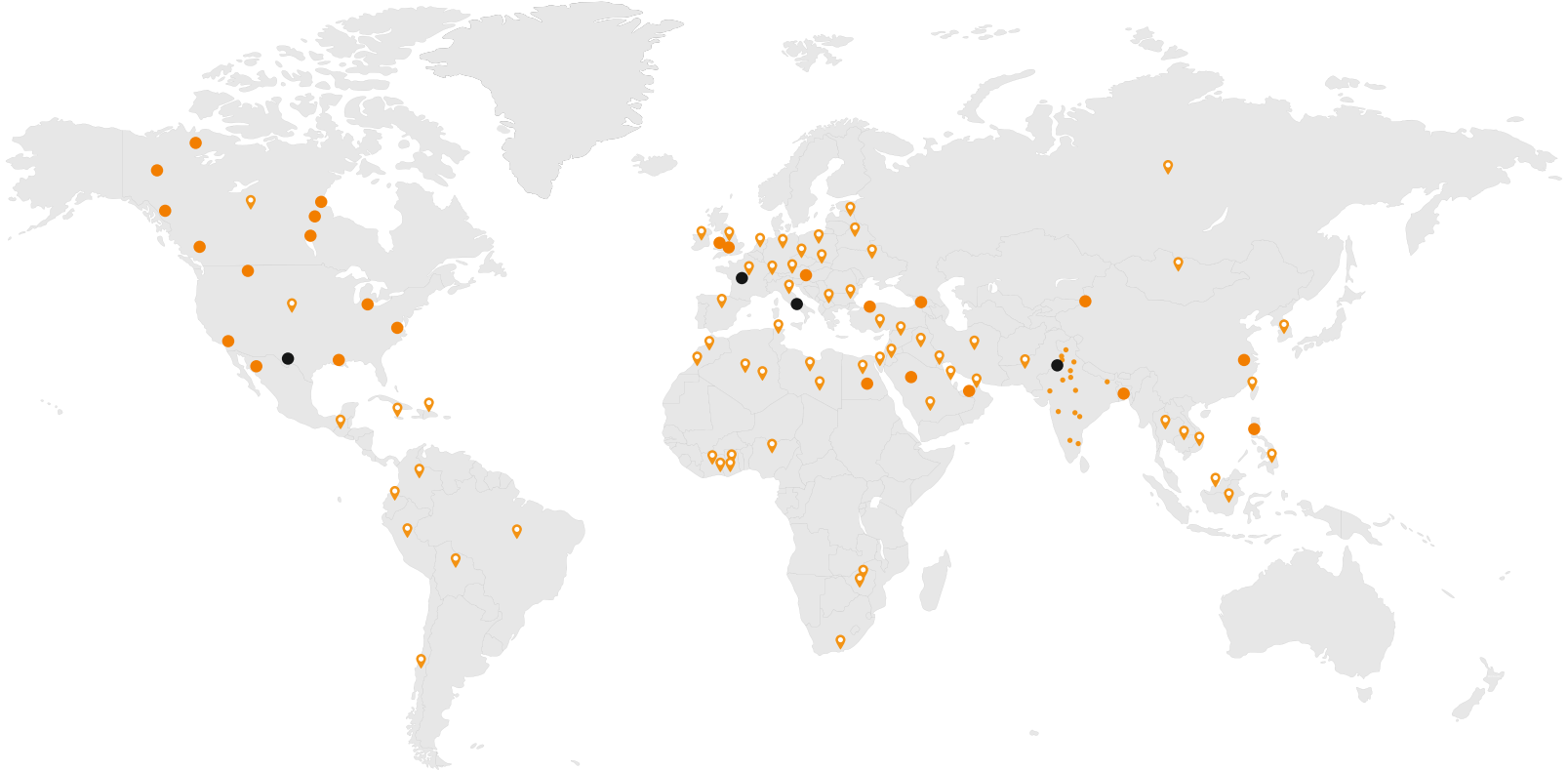
AURA MAC

● Operations

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

● Channel Partners

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



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