



Date: 07.03.2022

The Officer-In-Charge (Listing)
Listing Department
National Stock Exchange of India Ltd.,
Exchange Plaza, Bandra Kurla Complex,
Bandra (East),

Mumbai - 400 051

Scrip Code: MINDACORP

Head - Listing Operations, BSE Limited, P.J. Towers, Dalal Street, Fort, Mumbai – 400 001

Scrip Code: 538962

<u>Sub:</u> <u>Intimation under the SEBI (Listing Obligations and Disclosure Requirements)</u>
<u>Regulations, 2015 for presentation on meet with Analyst and Investors</u>

Dear Sir,

In reference to intimation letter dated March 04, 2022, please find attached herewith the copy of presentation discussed during the meeting with Analyst and Investors at Pune on March 04, 2022.

This information is also being uploaded on the Company's Website www.sparkminda.com

This is for your information and record please.

Thanking you,

Yours faithfully,

For Minda Corporation Limited

Pardeep Mann Company Secretary

Membership No A13371

MINDA CORPORATION LIMITED (GROUP CORPORATE OFFICE)

CIN: L74899DL1985PLC020401

Office Address: Plot No. 404 & 405, 5th Floor, Sector-20, Udyog Vihar, Phase-III, Gurugram, Haryana (India) - 122016.

TEL: +91 - 124 - 4698400; FAX: +91 - 124 - 4698450

Registered Office: A-15,Ashok Vihar, Phase-I, Delhi - 110052.

Website: www.sparkminda.com



Event Time Line



Sr. No	Event	Responsibility	Timeline	
1	Greetings and Arrival	Bikash Dugar & Anshul Saxena	11:00pm-11:30pm	
2	Group Presentation and Q&A	Suresh D, Nikhil K	11:30pm-12:45pm	
3	Products Demo	Suresh D, Vinay P, Nikhil K	12.45 pm – 2.00 pm	
3	Lunch		02:00pm-02:30pm	
4	EMI/EMC, Testing Facility, Sample Shop	Mohan K		
5	Vehicle Demonstration	Suresh M	02:30pm-03:30pm	
6	Electronics Manufacturing and Assembly Line Visit	Nikhil K		
7	Tea and Q&A	Suresh D/ Vinay P/ Nikhil K	3.30 -4.00 pm	

COVID Protocols – Do's and Don'ts





Maintain Social Distancing



Sanitize Hands



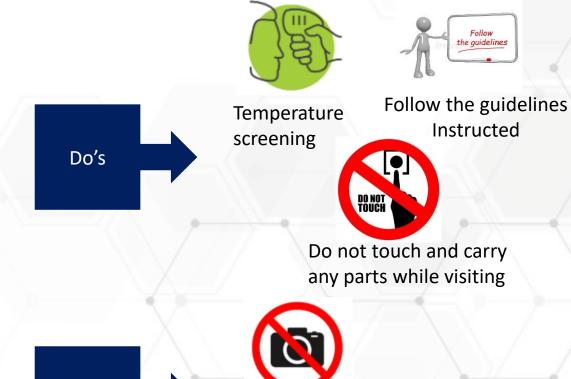
Wear Mask



Do not give hand shake



Always use tissue while sneezing





No Photography

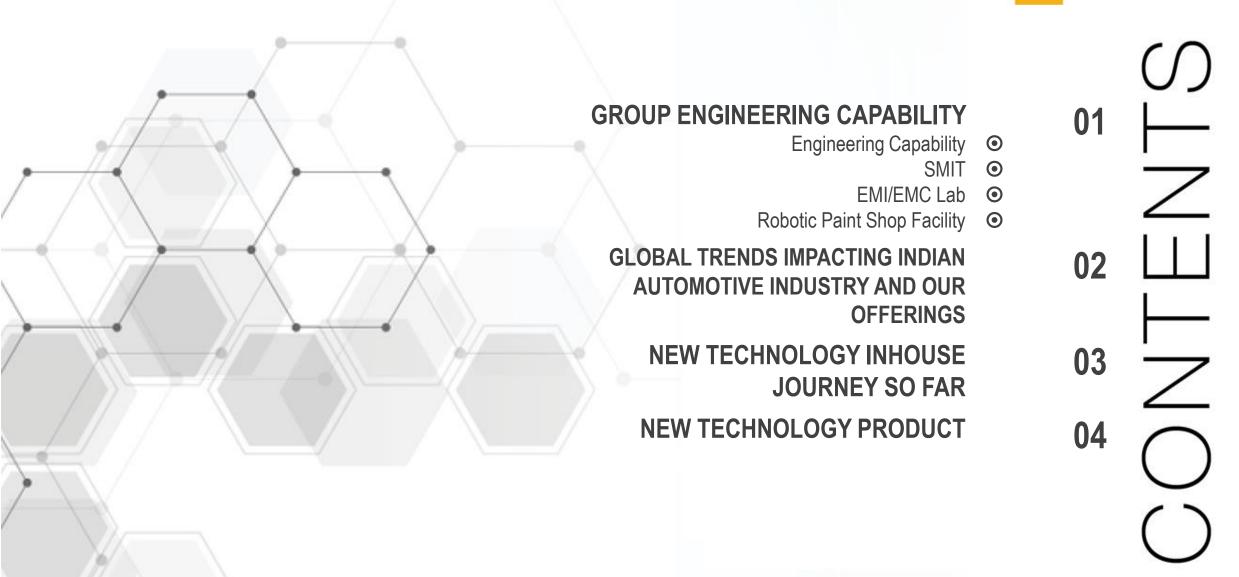
Do not crowd at one place



Do not enter restricted area

Don'ts





SPARK MINDA Engineering Capabilities



Spark Minda Technical Centre, Pune



300+ Engineers | Embedded Software EMI / EMC Lab, Anechoic Chamber







Accreditation

200+ ~ 50 % in last 5 years





R&D Spending

Engineering Capabilities to Address Future Trends



Engineering Headcount

E&E, WH Connection Systems & digitization



50+ Engineers | WH Design | E&E Architecture



100+ Engineers | Digital Clusters

Electronics Hardware





Embedded Software





Power Electronics & Vehicle Access



20+ Engineers | Power Electronics



50+ Engineers | Vehicle Access solutions

Testing, HIL, SIL, EMI/EMC, CAE





Mechatronics Engineering



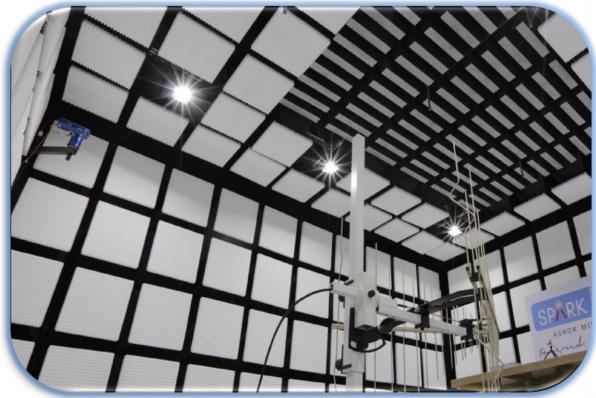


SMIT: Spark Minda Technical Centre WH: Wiring Harness, E&E: Electrical and Electronic Architecture

State-of-the-Art EMI/EMC Facility

SPARK MINDA Powered by Passion

State-of-the-art Anechoic Chamber



The EMI/EMC Lab is capable of undertaking various ISO Test Pulses cases such as ISO-7637-2, ISO-7637-3. and ISO-16750

	Size (LxWxH)	Range
Anechoic Chamber	6m x 5m x 3.15m	3 Hz – 3.6 GHz
Bulk Current Injection	4.5m x 3m x 2.4m	1MHz –400MHz
Electrostatic Discharge	3.0m x 3m x 2.4m	±200V to ±30kV
Conducted Immunity and Conducted Transient Emission	3.6m x 3m x 2.4m	-

Accreditation







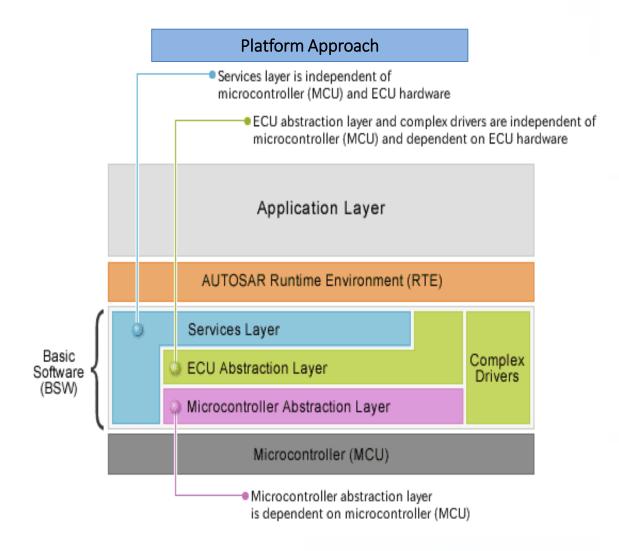


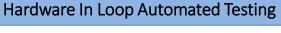
Test Undertaken:

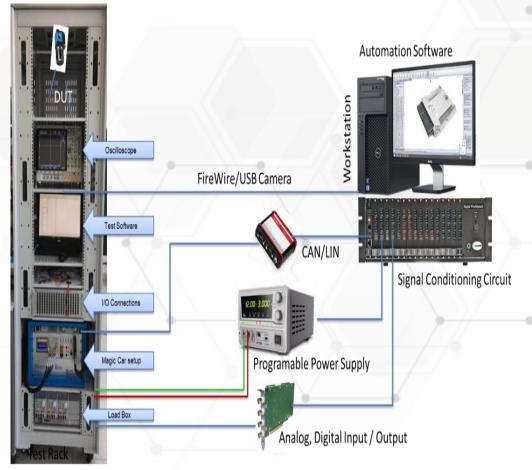
- Radiated Emission
- Conducted Emission
- Radiated Immunity
- Bulk Current Injection
- Electrostatic Discharge
- Conducted Immunity and Conducted Transient Emission

SW Reliability using HIL/SIL









State of Art – SMT Facility













State of Art – SMT & THT facility

- ✓ Separate SMT and THT facility (Robotics Soldering)
- ✓ Clean Room ISO 8, upgradable to ISO 7
- ✓ 30K CPH (Practical, rated 70K) expandable upto 45K CPH
- ✓ 3D SPI & 3D AOI
- √ 10 Zones Reflow Oven (Full N2 capability)
- ✓ Smart storage solution (Temp. & humidity control)

Salient Features:

- ✓ Fully Automatic line no manual innervation except loading/unloading
- ✓ Traceability at each station
- ✓ Stage interlocking (Feed back & Feed Forward)
- ✓ IOT based data acquisition feasibility
- ✓ Easy change over





GLOBAL MEGATRENDS IMPACTING Indian Automotive Industry



Global Trends





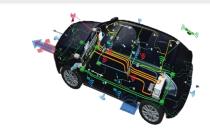




Trends Impacting India



Connectivity & Shared Mobility



Vehicle Electronification



Vehicle & Passenger Safety



Vehicular Emission, CO₂ and Fuel Economy



Vehicular Light-weighting



Human Machine Interface



Big Data & Digitization



Virtual Assistants



E-Mobility

TRENDS & Our Offerings



Global Trends









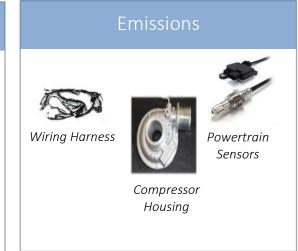
Trends Impacting India













CUSTOMER Centricity









WHAT DO WE OFFER

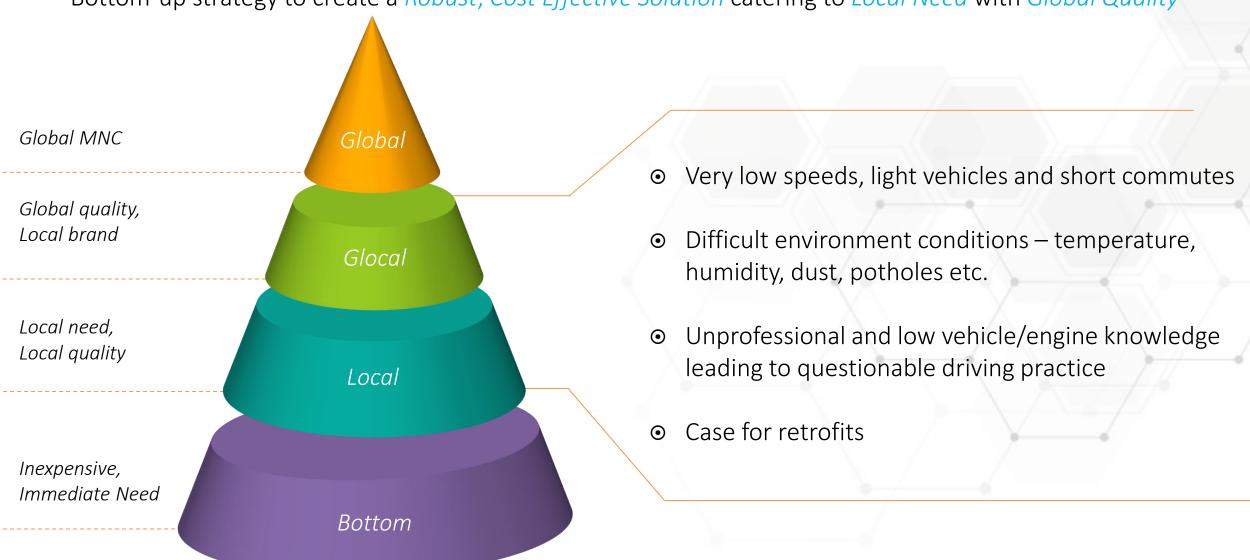
Key to sustainable Growth



SPARK MINDA Group Strategy



Bottom-up strategy to create a Robust, Cost Effective Solution catering to Local Need with Global Quality



SPARK MINDA 3 Pronged Approach



Setting Up own R&D Unit

Suppliers to set up their own R&D for new technology

Requires large investments in terms of money and time

Engaging in technology tie-ups with global counterparts with strong regulatory support is a potential way forward for local suppliers

JV's with Global Players

 Entering into JV's with global suppliers would give Indian suppliers access to existing technology

 Commercialization of technology at the shortest time with the potential to further develop joint IPR ownership in the future. We have already set up our stateof-the-art in-house R&D facility for advanced solutions while simultaneously scouting for partners to bring in quality, scalable, cost effective solutions



- Licensing of existing technology from global suppliers' and sub-components to manufacture in India
- Further development of licensed technology is often challenging

NEW TECHNOLOGY IN HOUSE Journey So Far





Successful Keyless Entry Solution (2W) resulting potential opportunities
(Bajaj, Hero, Yamaha, Piaggio,
OLA, TVS etc..)



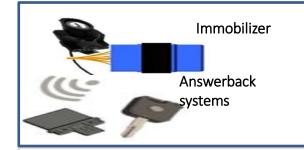
EV-Successful launch & industrialization of DC/DC convertor, Charger resulting a huge opportunity (Ashok Leyland, Virya, TVS & BMW)



Successful acquisition of ITS 2.0 business & under Industrialization (Ashok Leyland, 2 more in LOI stage)



Successful acquisition of connected cluster & under Industrialization (Greaves, Mahindra, Classic Legends)



Ready platform of standalone Immobilizer and Answer back systems for electronification (Hero, KTM, M&M,) Stoneridge AUTOMOTIVE GROUP

SPARK MINDA

Powered by Passion

Successful start and ramp-up of ODC business.

EMI/EMC testing with NABL accreditation as USP



Partnership with Israeli start-up Ride Vision for 2W Rider safety (iRAS) and working with Foreign partners in 4W ADAS



SMIT has filed 35 provisional patents with a majority over Key less System and EV

Inorganic products addition: Antenna and EV Battery Charger portfolio added with a partner

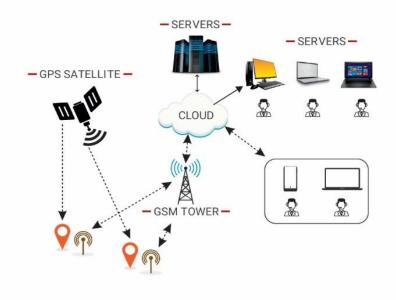
SYSTEM SOLUTION: End—to—End Product Development



Connected Mobility Solutions

Intelligent Transport System 2.0

Key Less Entry System Solution











AIS 140 Certified In-house end-to-end expertise in technologies related to telematics

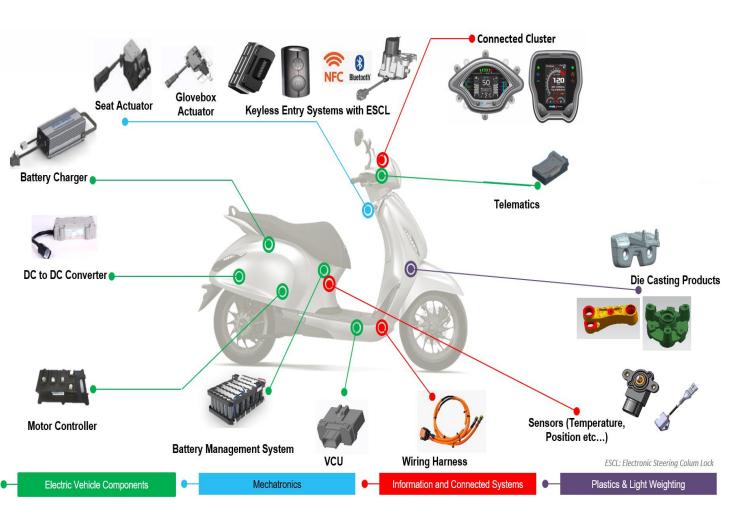
21 IP's are filed (HW, System & Mechanical) in Key Less Entry Systems

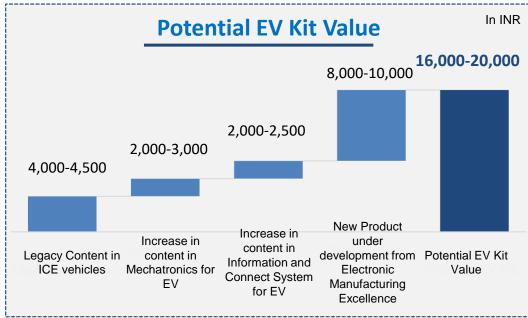
UBSII & IS 16833 Certified System Invehicle Passenger Information System, Voice & Data Connectivity In-vehicle Video Surveillance System

Electric Vehicle: Opportunity



Most of our Product is Electric Vehicle Agnostic and it only enhances the content





EV Customers





















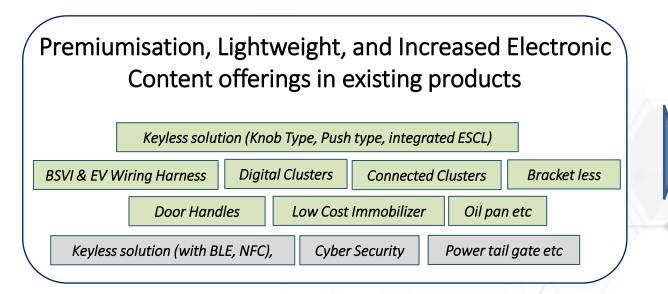




CUSTOMER TRUST ON New Technology Product

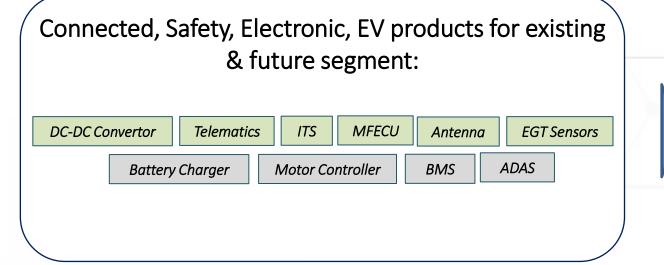














Thank You