



MIL – Investor Meet

April 2022

Transforming the Present. Reimagining the Future.





Key Automotive Technology Trends in India

Voluntary Vehicle Rating



Status – under roll-out

- GOI is planning to roll-out BNVSAP in-line with Euro-NCAP
- 5 Star rating system will enable higher adoption of new products in the vehicle

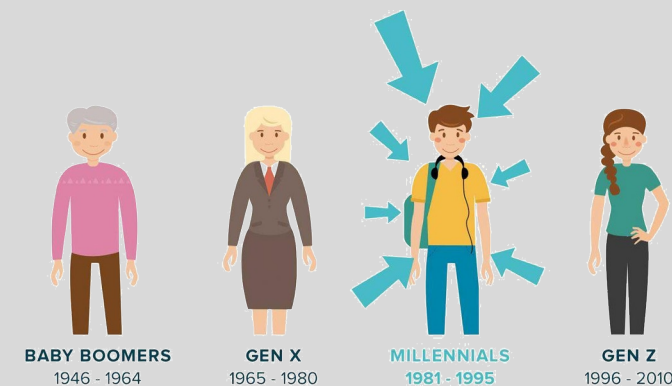
Vehicular Legislation



Status – advanced

- Reduce road accidents by 50% (Yr2025)
- 40% of new EV sales by Yr 2030

Market sentiments



Status – futuristic

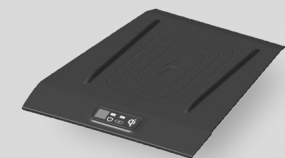
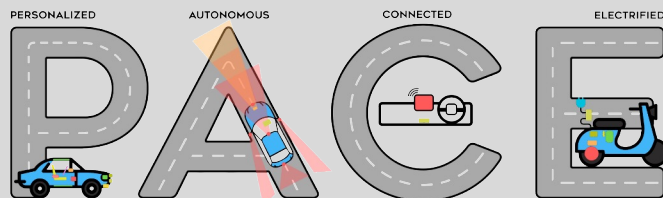
- Localization and Atmanirbhar Bharat with focus on export replacement
- Millennials increasingly dominating the buying pool
- New age companies entering the EV space



Our R&D Strategy – Protect the Core, Expand into New



Enter New Technology Markets



Wireless chargers



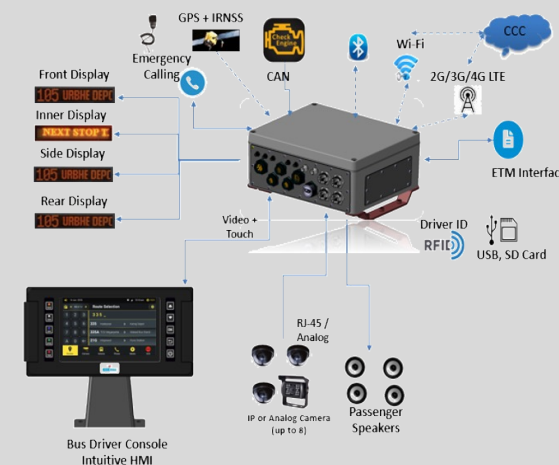
Telematics Unit

Make Current Products Smart



Connectivity in Switches, EV Chargers,
Electronic Seat

Enable System Sales



Controller -> Full System

- Uno Minda wants to be a dominant player in evolving PACE opportunities
- Uno Minda is aggressively building capabilities to support “Atmanirbhar Bharat” and “Make in India”





Minda Investing to expand R&D Capabilities in India & in Europe



New Facility - ICC Devi Gaurav, Pune



- ❖ Expanding - R&D centre in Gurugram and Hosur
- ❖ Adding 100+ engineers in Embedded Electronics & SW
- ❖ Added new labs in ADAS, Electrification, New Materials



Regensburg, Germany



Advance Lighting
Systems
120+ Engineers



700 +
Engineers



275+ Patents
250+ Design Registrations



75 + R&D
Technology Projects



15+ R&D & Product
Engineering Centers



Munich, Germany



Embedded Electronics
Engineering Services
75+ Engineers



Bilbao, Spain

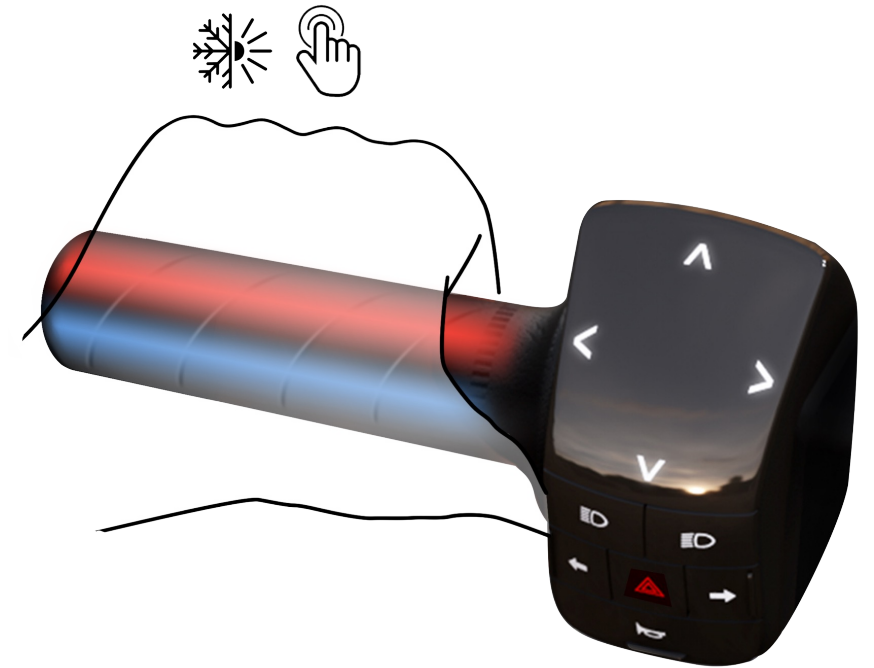


Optics & Lighting
30+ Engineers

Our Products are getting Smarter

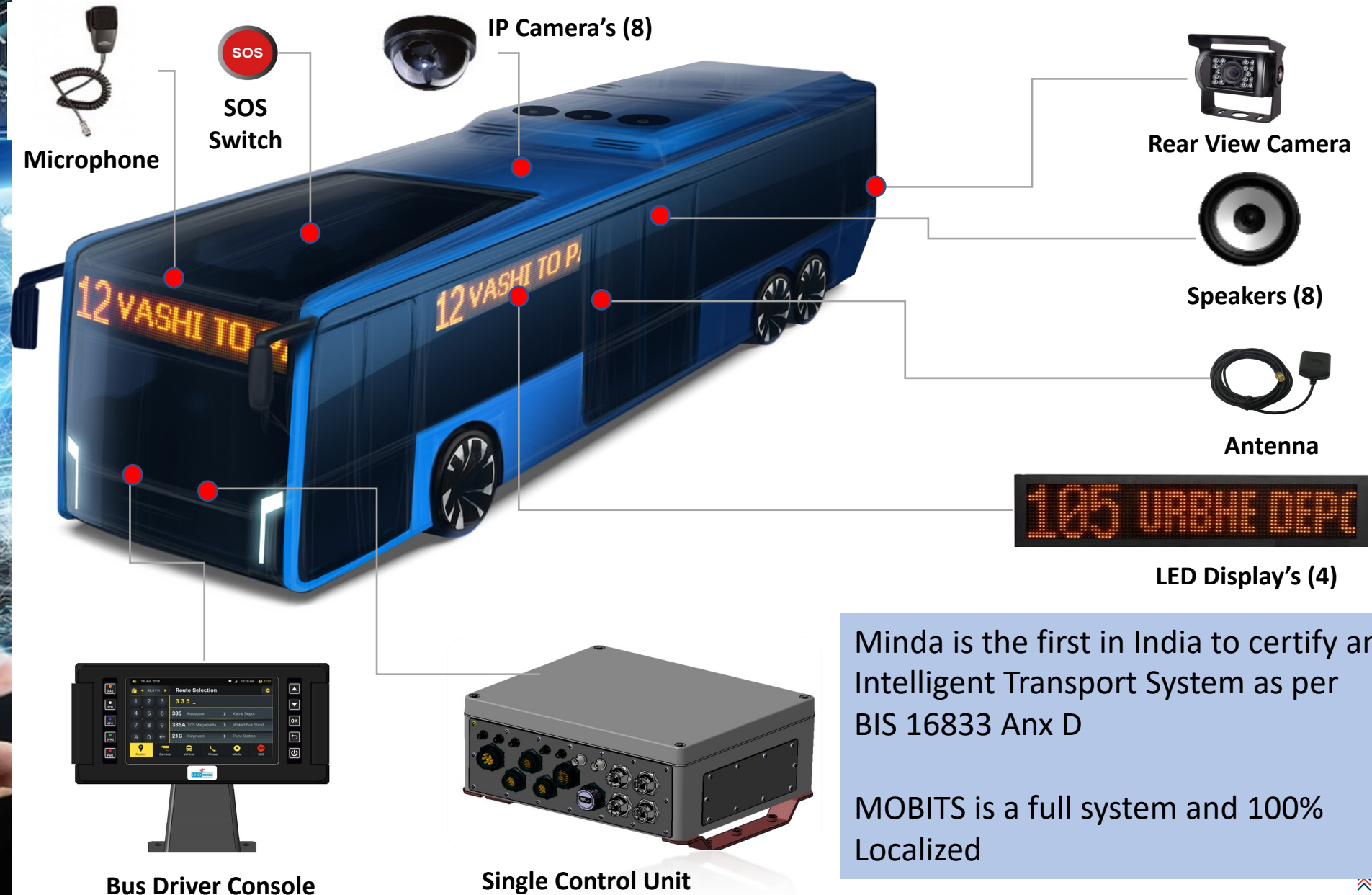


- Traditional Mechanical Switches
 - Mechanical components
 - Limited functionality



- Full Electronic Switches with
 - Network Connectivity
 - Hot and Cold Grip
 - Hands on Detection
 - Touch and Joystick functionality
 - Bluetooth Connectivity

We are moving from Components to Systems



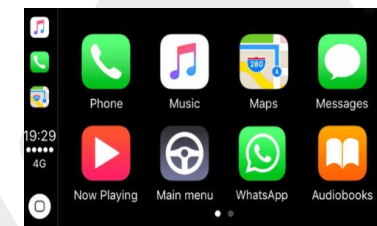
Minda is the first in India to certify an Intelligent Transport System as per BIS 16833 Anx D

MOBITS is a full system and 100% Localized





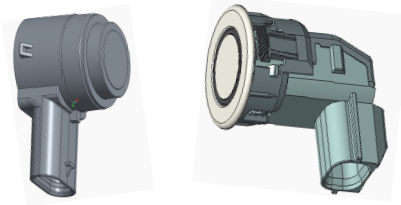
Personalization – products to enhance ownership experience



❖ We are engineering exciting products across vehicle segments to provide differentiated offering to our customers



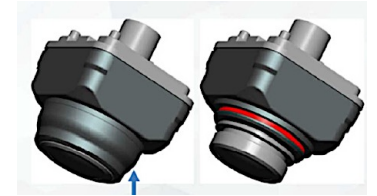
ADAS / Autonomy



Short Range & Long-Range
Ultrasonic Sensor



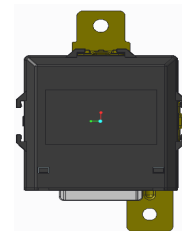
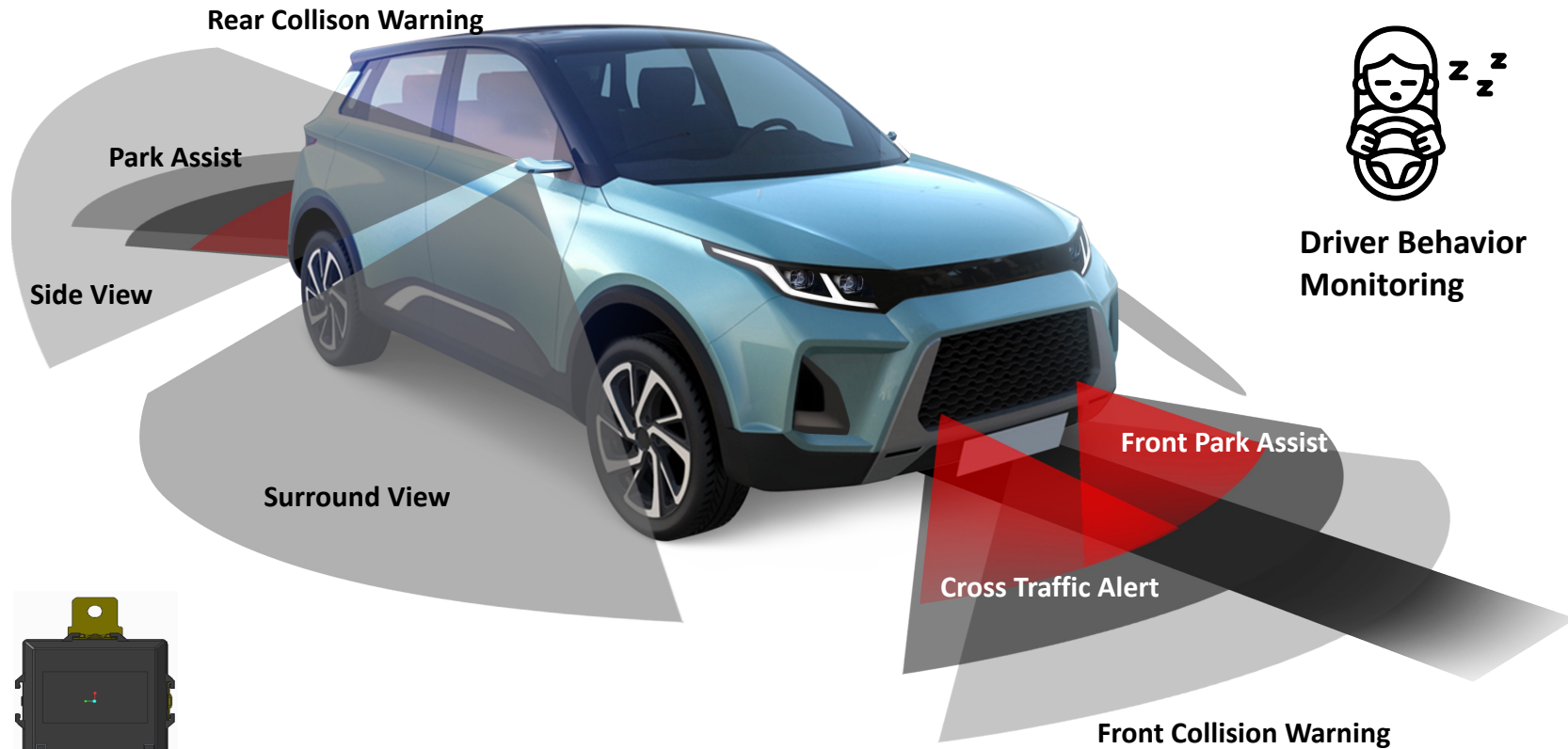
VGA Camera



HD Camera



Driver Behavior
Monitoring



Radar

Connected – End to End offering for V2X Market



Complete Offering for Low Voltage Electrification



Electrified . Smart . Connected
We are Charged up for E-Mobility



48V



60V



72V

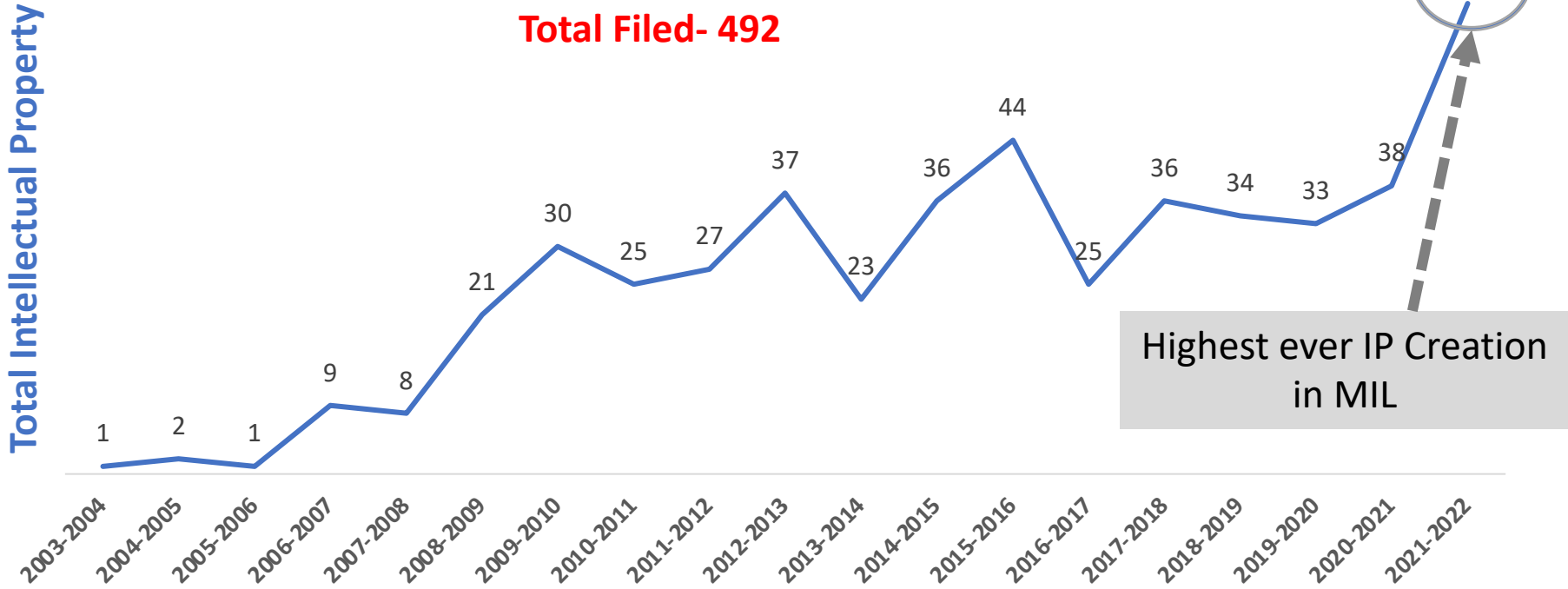
96V



Creating IP to strengthen localization



Minda Industries Limited- Yearly Intellectual Property Filed Trend
Total Filed- 492



**50+ Patent Products &
60 + Design Products are
commercialized**

Data Recorded: 2003 – March 2022	Total Intellectual Property	Granted/ Registered	In-process
Filed by Minda Industries Ltd	492	267	219



Summary

- ❖ We are aligned with Government ambition of “Make in India”
- ❖ We see market developing rapidly for new technology products shaped by PACE macro-trends
- ❖ We are investing heavily across value chain – R&D, Manufacturing and Supply Chain to build new age electronics products
- ❖ We are committed to explore inorganic partnerships to improve our time to market
- ❖ We have a global approach to R&D to ensure that we enhance kit value from global OEM’s



Thank You



www.unominda.com |



UNO MINDA Corporate Office

Village Nawada Fatehpur, P.O. Sikanderpur Badda,
Manesar, Gurgaon – 122004, India.

communicationdesk@mindagroup.com
trade_enquiry@mindagroup.com

