

# **Bharat Mobility Global Expo**

**2025 January 17<sup>th</sup> to 22<sup>th</sup>**



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# The Future of Mobility Illuminated: A Glimpse at Bharat Mobility Global Expo 2025

The Bharat Mobility Global Expo 2025 is set to redefine the future of mobility, bringing together cutting-edge innovations and global automotive leaders. Held across Bharat Mandapam, Yashobhoomi in New Delhi, and IEML in Greater Noida from January 17 to 22, 2025, this six-day event featured over 1,500 exhibitors, 34 OEMs, and is estimated to have attracted more than 500,000 visitors.

The exhibition showcased an impressive array of heavy-duty equipment, blending innovation from Indian brands like Tata and global leaders such as Germany's Wirtgen. JCB took center stage with its groundbreaking hydrogen-powered prototype, offering a glimpse into the future of sustainable industrial machinery. This revolutionary technology not only highlights its potential for the automotive sector but also demonstrates its versatility across various types of heavy equipment, paving the way for a cleaner, more efficient future in construction and infrastructure development.



In the automotive world, lighting plays a pivotal role in defining design, safety, and user experience. At this year's expo, lighting innovations were front and center, offering a glimpse into how technology is reshaping vehicles both inside and out.

Exterior illumination stole the spotlight, with adaptive lighting systems featured prominently. **Hyundai** unveiled its Ioniq 9, equipped with matrix LED headlamps capable of dynamically adjusting to road conditions, reducing glare for oncoming traffic while maximizing visibility.

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**Kia's EV6** showcased its “Starmap” LED rear combination lamps that blend seamlessly with its front connected DRLs, a design language echoed in the Kia **Syros**, which also introduces digital key technology.



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**BYD** Global unveiled the **Sealion 7** alongside its **Sealion 6**, showcasing vehicles equipped with sleek, energy-efficient lighting systems that balance functionality and elegance.



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Interior lighting is evolving to enhance the driving experience, as seen in vehicles like the **VinFast VF6**. The VF6 features dynamic ambient lighting that integrates seamlessly with smart infotainment systems, creating a personalized and immersive cabin environment.

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**MG Motors** highlighted its **Cyberster**, the world's first all-electric roadster, where lighting is a key design element both externally and internally, bridging performance with futuristic aesthetics.



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India's unique mobility landscape was evident in innovations tailored to local needs. The **Eva Solar Cart**, a solar-powered three-seater, exemplifies how advanced lighting can merge with cost-effective solutions to cater to emerging markets.



11\_Planted-stance  
EVA.mp4



9\_Sleek-Lamps1  
EVA.mp4

**Tata** also took the stage with its **Harrier.ev**, boasting LED headlamps with dynamic turn signals and energy-efficient tail lamps, solidifying India's position as a global leader in practical yet advanced automotive lighting. Futuristic Tata Avinya was also showcased with their 2026 model and Sierra available late 2025.



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Motorcycles, an essential part of India's transportation DNA, also made an impression. **BMW** launched its redefined, featuring aerodynamic lighting integrated with redesigned headlamps, catering to high-performance enthusiasts.



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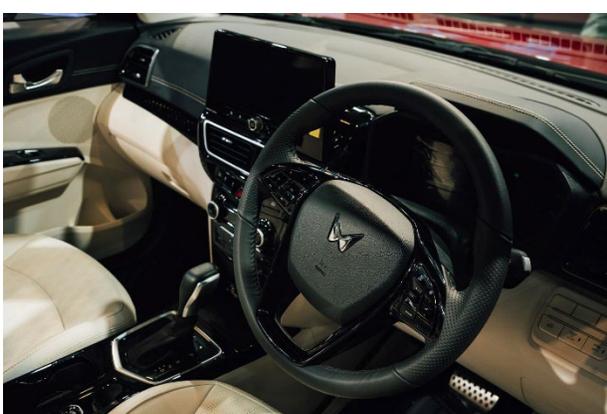
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**Mahindra** unveiled the **BE6**, while Toyota showcased its latest EV, combining innovative lighting with zero-emission technologies. The **MG M9**, another highlight, paired luxury design with cutting-edge lighting systems, reflecting India's growing appetite for premium electric vehicles. *(Insert images of Mahindra BE6, Toyota's EV, and the MG M9 to capture their distinctive lighting features.)*



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What sets India apart is its ability to cater to diverse market demands. Vehicles like the **Maruti Suzuki eVitar**a focus on delivering affordability and efficiency, while premium offerings such as the Kia EV6 or the Hyundai Ioniq 9 target global audiences seeking advanced design and connectivity. This balance between cost-effectiveness and luxury was further emphasized by Mahindra's **BE6** and BYD's comprehensive EV lineup.



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As the largest producer of three-wheelers and two-wheelers globally, India's influence on lighting innovation extends beyond its borders. With a strong focus on energy efficiency, sustainability, and affordability, the country continues to lead transformative trends in mobility.

Bharat Mobility Global Expo 2025 is more than just an event; it's a testament to how technology, design, and sustainability converge to illuminate the future of transportation. Be a part of this revolution and witness firsthand how the global and local automotive industries are reshaping mobility. Register now to join the conversation and experience the innovations that will drive tomorrow's roads.

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At the expo, major suppliers like Varroc, Mahindra, Valeo, Lumax, and Neo Light showcased their groundbreaking innovations, highlighting their contributions to the future of mobility. Among these, Varroc stood out with its remarkable advancements in safety, connectivity, and efficiency. One of the key innovations was the **Intelligent Cockpit System**, featuring a customizable HD touchscreen display with seamless Android Auto and Apple CarPlay integration. This system also included a Surround View System for enhanced parking assistance and a Driver Monitoring System to ensure a connected and secure driving experience.

Another highlight is the **AI-Enabled Dual Dash Camera with Video Telematics**, which combines real-time vehicle data, location tracking, and fleet monitoring with an AI-powered dual dash camera. Equipped with ADAS and Driver Monitoring System capabilities, this solution promotes safer and smarter fleet management through its cloud-based platform.

**Varroc** also introduces the **Driver & Occupant Monitoring System**, designed to enhance safety by analyzing real-time driver and passenger behavior. Features like fatigue detection, emotion analysis, gesture recognition, and posture monitoring provide a comprehensive approach to road safety. This system's modular design makes it adaptable as a standalone feature or seamlessly integrated into infotainment systems.

The **360 Surround View System** takes safety to the next level by using AI-powered multi-camera technology to eliminate blind spots. It detects pedestrians and provides intuitive visual alerts through the onboard screen, offering drivers a heightened sense of situational awareness.

With these cutting-edge solutions, Varroc continues to lead the way in developing smart and sustainable mobility technologies for the future.

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At the expo, major supplier Valeo also showcased their groundbreaking innovations, each contributing to the future of mobility. Among them, Valeo stood out with its latest advancements in sustainable, smarter, and safer mobility solutions.

**Valeo's** display featured cutting-edge technologies driving the acceleration of **electrification**, including powertrain and thermal solutions designed for ICE, PHEV, BEV, and EV platforms. Their **ADAS acceleration** portfolio included next-generation cameras, radars, and zonal controllers, setting new benchmarks for vehicle safety. Additionally, Valeo demonstrated its expertise in **Software-Defined Vehicles (SDV)** with fully integrated ADAS and parking stacks in centralized architectures. The **interior experience** was reimaged with innovations like curved displays, connected clusters, and advanced telematics control units, while their **lighting everywhere** concept delivered groundbreaking exterior, interior, and projection lighting solutions, complemented by advanced wiper systems.

With over 25 years of presence in India, Valeo continues to lead the way in sustainable mobility, supported by its strong R&D capabilities and commitment to reducing the carbon footprint of transportation.

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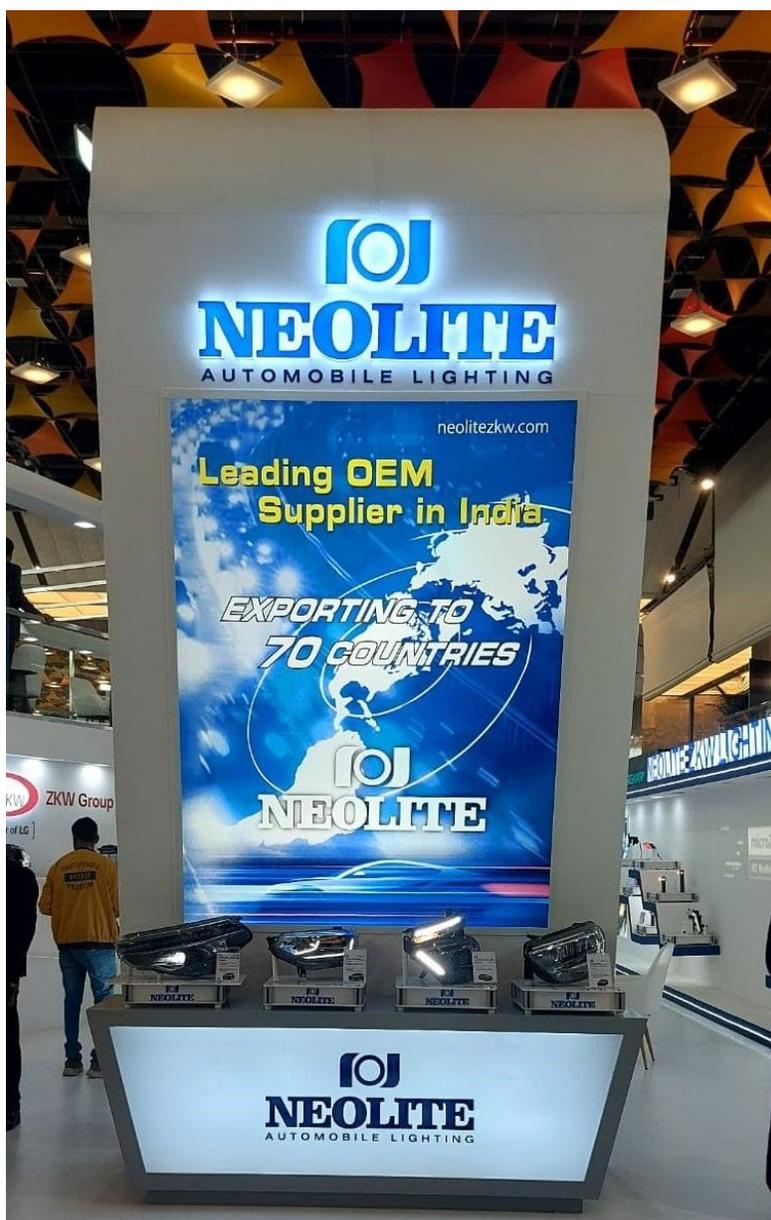
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**Neolite ZKW** showcased its latest advancements in automotive lighting at the Bharat Mobility Global Expo 2025, highlighting innovative solutions for exterior lighting systems. As a key player in the industry, the company recently expanded its manufacturing capabilities with a new facility in Pune, Maharashtra, to enhance production capacity and meet growing market demands. These developments underline Neolite ZKW's commitment to innovation and leadership in the automotive lighting sector.



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**Lumax Lighting**, a key player in automotive lighting, participated in the Bharat Mobility Global Expo 2025, where they shared insights on the latest industry trends. The company, led by Deepak Jain, Chairman and Managing Director, emphasized their commitment to innovation in the automotive lighting sector. Lumax continues to strengthen its position in the market with a focus on advancing lighting technologies that enhance safety and the driving experience. Their presence at the expo showcased their ongoing contributions to the evolving mobility landscape.

## List of the main DVN monthly reports

### Main reports launched in 2008-2020

Koito company profile  
China lighting market  
The Wonderful World of Passenger Car lighting  
Tier 2 and 3 contribution on automotive lighting  
ZKW company profile  
Simulations in automotive lighting  
Mercedes-Benz profile  
LED technologies in automotive lighting  
LEDs Thermo-Electrics  
Interior Lighting  
BMW and lighting  
Lighting and ADAS  
Materials in lighting  
Laser Head lighting  
Automotive lighting Regulations worldwide  
Israeli Startups  
Jaguar Land Rover and lighting  
Engineering companies involved in lighting  
Japanese lighting market  
Status of w/w Regulations  
Korea Lighting Market  
SL Corp profile  
ADB/Matrix Beam  
India Car Industry and Lighting Market  
Vision of lighting 2025-2030  
Automotive lighting Regulations worldwide  
Vehicle Lighting in USA  
New ADB technologies  
Interior Lighting  
Camera technologies  
Varroc profile  
Volkswagen profile  
US automotive lighting industry  
Materials in Vehicle Lighting  
The Future of Exterior Lighting  
IAA Frankfurt Autoshow  
DVN Munich WS  
GENEVA Autoshow  
US Lighting  
Marelli AL Profile  
50 years Light Styling  
ADAS and Lighting

### Main reports launched in 2021

Evolution of LEDs  
New Models July-October 2020  
Audi Lighting & ADAS  
Lighting in development countries  
ADB Update  
DVN Shanghai WS  
Innovations in Rear Lighting  
Global Landscape of Automotive LED Suppliers

### Reports launched in 2022

Technologies presented in CES 2022 Laser  
light automotive lighting  
ISAL report  
DVN US workshop  
Worldwide Demographic Development  
Models launched May to August  
DVN Shanghai report  
VISION congress

Paris Autoshow + last Vehicle models  
L.A. Autoshow

### Reports launched in 2023

CES Report  
TU Darmstadt Lighting Institute  
DVN Paris Workshop  
Universities and Lighting  
MLA Technology  
Models launched in H1-2023  
DVN Tokyo Workshop  
ISAL Report  
DVN US Workshop  
Osram Company Profile  
DVN Shanghai Workshop

### Reports launched in 2024

CES  
New cars of the semester  
DVN Munich Workshop  
OLED Technology  
Beijing Autoshow  
Display Week 2024  
DVN Detroit Workshop  
ALE, June 2024  
Indian vehicle lighting market  
DVN Pune Workshop summary  
New cars 2024  
Nichia company profile  
Test houses  
Shanghai DVN event summary

### Reports to be launched in 2025

CES and Bharat Mobility Global  
Expo  
Regulation UNECE 155 &156  
DVN Munich event summary  
Dekra testhouse Company Profile  
ALE + shanghai motorshow report  
Czech Republic automotive lighting  
ecosystem  
RGB leds status

# DVN ecosystem and scientific community

DVN is a reference in the world of Lighting, Interior comfort and Lidar

## Car Makers

Audi  
Avatr Technology  
Bentley  
BMW  
Ferrari  
Ford  
Ford Otosan  
General Motors  
Genesis  
Hero MotoCorp  
Honda  
Hyundai  
Jaguar-Land Rover  
Kia  
Lotus cars  
Lucid Motors  
Mazda  
Mercedes-Benz  
Mitsubishi Motors  
Nio  
Nissan  
Renault  
Rivian  
Seat  
Stellantis  
Subaru  
Toyota  
TVS  
SAIC Volkswagen  
Volvo Cars  
Zoox

## System Suppliers and Tier 1s

Adient  
Anrui  
Appotronics  
Aspöck Systems  
Braslux  
Cepton  
Ceres Holographics  
Chongqing Rebo  
Continental  
Creat  
Diode Dynamics  
Elba  
F2J Industry  
Feka  
Fiem Industry  
Flex-N-gate  
FORVIA designLED  
FORVIA HELLA  
GHSP  
Grupo Antolin  
Hascovision  
Hitachi  
Ichikoh  
J.W. Speaker  
Keboda  
Koito  
Lightworks  
Lumax

Luxit  
Maier  
Magna  
Marelli  
Marquardt  
Mind  
Mobileye  
Mobis  
Muth Mirror Systems  
Nordic Lights  
Odelo Farba  
OPmobility  
Panasonic  
Polycontact  
Prettl group  
Rehau  
SL Corporation  
SMR Automotive  
Stanley  
The Lighting Consultants  
Toyota Boshoku  
Uno Minda  
Valeo  
Varrac  
Weidplas CH  
Xingyu  
Zanini  
ZKW  
Zodiac

## Light Source Suppliers

ams OSRAM  
APT Electronics  
Brightek  
Dominant Opto Tech.  
Everlight Electr.  
HC Semitek  
Kyocera SLD Laser  
LG Innotek  
Liteon Technology  
Lumileds  
Nichia  
OLEDWorks  
Refond  
Samsung LED  
Seoul Semiconductor

## Tier 2s and service providers

A2Mac1  
Ascorium  
AML Systems  
Ansys  
ASAP  
ASYST Technologies  
Auer Lighting  
BASF  
Bluebinaries  
Brightview Technologies  
Capgemini  
CLM Search

Coindu  
Covestro  
Dajac  
DBM Reflex  
Delo  
Die haptiker GmbH  
Docter Optics  
Dow  
Edag  
Elmos  
Endego  
Ennostar  
Euro Moulders  
EV Group  
Focuslight  
Fusaware  
Grewus  
HJ Optics  
Huawei  
Idemitsu  
Infineon  
Inova Semiconductors  
Instrument Systems  
Integrity  
Joysonquin  
Leonhard Kurz  
L.E.S.S.  
LMT  
Luminus  
Mekttec  
Microvision  
Maxell Frontier  
MD Group  
Melexis  
Microchip  
Microrelleus  
Mitsui Chemicals  
Mocom  
Nalux  
NBHX Trim  
Oerlikon  
ON Semiconductor  
Polyrise  
Preh  
Ray Group  
S&P Global Mobility  
Sabic  
Seaborough  
Seoyoneh-Ewha  
Shihu  
SP3  
Sunny Automotive  
Optech  
Suzhou Senbo  
Synopsys  
TechnoTeam  
Toshiba lighting  
TQ Technology  
Uni Tooling  
Ventura  
W.L. Gore & Associates  
WLOPT  
X2F  
Xunchi

## Universities, NGO and labs

Alliance for Automotive Innovation  
ARAI  
*Automotive Research Association of India*  
BMDV  
*Bundesministerium für Digitales und Verkehr*  
CATARC  
*China Automotive Technology and Research Center*  
CEA Leti  
Darmstadt university  
DEKRA  
Department for transport, UK  
DTI  
*Danish Technological Institute*  
Estaca  
*École supérieure des techniques aéronautiques et de construction automobile*  
Fraunhofer (FEP, IAP, ILT, IMS)  
Fudan university  
GTB  
Hannover Leibniz  
Hochschule Aalen  
Hochschule Magdeburg-Stendal  
Icahn School of Medicine at Mount Sinai  
*Light and Health Research Center*  
ICAT  
*International Centre for Automotive Technology*  
Idiada  
Institut d'Optique  
JASIC  
*Japan Automobile Standards Internationalization Center*  
KBA  
*(Kraftfahrt-Bundesamt)*  
KATRI  
*Korea Apparel Testing & Research Institute*  
KIT  
*Karlsruhe Institute of Technology*  
Kotsa  
*Korea Transportation Safety Authority*  
LCOE  
*Laboratorio Central Oficial de Electrotecnia*  
L-LAB  
MLIT  
*Ministry of Land, Infrastructure, Transport and Tourism*  
NHTSA  
*National Highway Traffic Safety Administration*  
OICA  
*International Organization of Motor Vehicle Manufacturers*  
Pacific Northwest National Laboratory  
RDW  
RISE Research Institutes of Sweden  
Sapphire STS  
SMMT  
*Society of Motor Manufacturers And Traders*  
SMVIC  
*Shanghai Motor Vehicle Inspection Certification*  
TNO  
Traficom  
Transport Canada  
UMTRI  
Université Gustave Eiffel  
UTAC  
VDA  
*Verband der Automobilindustrie*  
VEDECOM  
Vrije Universiteit Brussel  
YoungNam University