BUSINESS COMPANY

## **XTRAWRKX TIMES**



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# Foxconn to Develop EV Model for Mitsubishi Motors, Targeting Oceania Launch in 2026.

Taiwanese tech giant Foxconn's electric vehicle arm has reached a preliminary agreement with Mitsubishi Motors to develop and supply an electric vehicle, marking a significant milestone in Foxconn's entry into the EV industry.



**Read More** 

### Ferrari Confirms First EV to Launch in October 2026, Unveiling Begins This Year.



M ILAN, May 6 — Ferrari has announced that its first fully electric vehicle will be delivered to customers starting in

October 2026, marking a bold shift for the iconic Italian automaker known for its powerful petrol engines. During a post-earnings call on Tuesday, CEO Benedetto Vignaclarified the rollout timeline, stating the EV's full debut would unfold in three phases. Read More







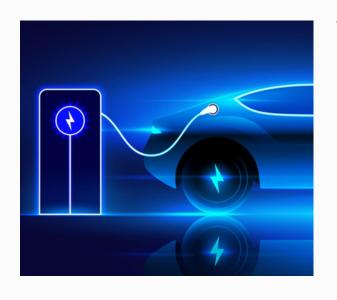


# Rilox EV Partners with Hala Mobility to Deploy 20,000 Electric 2 Wheelers.

Mumbai, May 7 — Electric vehicle manufacturer Rilox EV has entered into a multi-year OEM partnership with Hala Mobility, a multimodal electric mobility platform, to supply its Spark Lite electric two-wheelers for gig workers, urban commuters, and fleet operators. Read More



# India Projected to Have 123 Million EVs on Roads by 2032, Says Industry Report.



India could have as many as 123 million electric vehicles on its roads by 2032 under an optimistic scenario, according to a report released on Tuesday by the India Energy Storage Alliance (IESA) and Customised Energy Solutions. The report emphasizes that widespread EV adoption is critical to achieving the country's net-zero emissions target by 2070. **Read More** 









### JSW MG Motor India Launches Windsor Pro EV at ₹17.49 Lakh, Expands Battery-as-a-Service Model.

J SW MG Motor India has officially unveiled the Windsor Pro EV, priced at an introductory ₹17.49 lakh (ex-showroom) for the first 8,000 customers. Bookings open on May 8, 2025. The automaker also continues its innovative Battery-as-a-Service (BaaS) model, offering the car at a reduced upfront cost of ₹12.50 lakh, with the battery available on a pay-per-use basis at ₹4.5 per km. Read More



# TVS Launches King EV Max Three-Wheeler in Tamil Nadu, Targets Urban Green Mobility.



IVS Motor Company has introduced its latest electric three-wheeler, the TVS King EV Max, in Tamil Nadu, aiming to bolster sustainable urban transportation. Priced at ₹2.95 lakh (exshowroom), the vehicle offers an impressive range of up to 179 km on a single charge. A standout feature of the King EV Max is its fast-charging capability, reaching 80% charge in just 2 hours and 15 minutes. Read More









# Bengaluru's Volt14 Secures \$1.87M to Advance Silicon-Based Battery Breakthroughs.

In a significant boost to India's deep-tech and clean energy landscape, Bengaluru-based battery technology startup Volt14 has raised \$1.87 million in a pre-Series A funding round. The round was led by Blume Ventures and saw participation from Beyond Next Ventures, Spectrum Impact, Superm-orpheus, and existing investor Cocoon Capital, taking Volt14's total funding to \$4.02 million. Read More



# Greaves Electric Mobility Gets SEBI Nod for IPO; Plans Rs 1,000 Cr Fresh Issue.



has secured approval from the Securities and Exchange Board of India (SEBI) to proceed with its initial public offering (IPO), according to a regulatory update. The IPO will comprise a fresh issue of equity shares worth ₹1,000 crore, alongside an Offer for Sale (OFS) involving 18.9 crore shares, as outlined in the company's Draft Red Herring Prospectus (DRHP). Read More

reaves Electric Mobility, the EV arm

behind brands like Ampere, Eltra, and Ele,









# Delhi Forms Expert Committee to Draft Revised EV Policy, Targets CNG-to-EV Shift by 2026.

The Delhi government has constituted a 10-member expert committee to draft a revised electric vehicle (EV) policy, with a comprehensive 12-point agenda focusing on accelerating EV adoption, officials confirmed on Friday. Key priorities for the committee include the transition of all CNG vehicles to electric, installation of EV charging stations under flyovers, effective battery waste management. Read More



# **Euler Motors Secures ₹638 Crore in Series D Funding Led** by Hero MotoCorp.



Mumbai-based electric commercial vehicle startup Euler Motors has raised ₹638 crore in its latest Series D funding round, with Hero MotoCorp leading the investment. The round also included participation from British International Investment (BII), a key existing backer and the UK's development finance institution. With this new round, Euler Motors has now secured approximately ₹1,420 crore across all funding phases. Read More









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### **MONTLHLY EDITORIAL**

# THE CHALLENGES AND OPPORTUNITIES IN EV SERVICING IN INDIA



### CONTRIBUTOR

Harshin Lalpet

Chief Of Experience, allEV









As India accelerates toward a greener future, its electric vehicle (EV) market is undergoing a remarkable transformation. From ₹27,417 crore (US\$ 3.21 billion) in 2022, the sector is expected to surge to a staggering ₹9,73,589 crore (US\$ 113.99 billion) by 2029 (Source: IBEF).

This rapid adoption presents not just environmental and economic promise—but also a crucial need for robust and reliable EV servicing infrastructure.

#### THE ROADBLOCKS: KEY CHALLENGES IN EV SERVICING

Despite the bullish outlook, India's EV servicing ecosystem faces several persistent hurdles:

#### 1. Limited Service Centers and Skilled Manpower:

EVs require specialized attention—from battery diagnostics and power electronics to electric drivetrains. Yet, the availability of trained EV technicians and dedicated service centers remains alarmingly low, especially in tier 2 and tier 3 cities. The skill gap continues to widen as EVs become more mainstream.









### **Key Features**

#### 2. Spare Parts Scarcity and Cost Barriers:

A significant portion of EV components—such as lithium cells, rare earth magnets, and semiconductors—are imported. This dependency leads to high repair costs and extended waiting periods, which in turn deters potential buyers worried about long-term maintenance.

#### 3. Inconsistent Customer Experience:

The current service landscape is fragmented. EV owners often encounter opaque pricing, sluggish response times, and lackluster post-warranty support. The situation pushes many toward unregulated third-party garages, risking safety and performance.

#### THE SILVER LINING: A GROWING MARKET OPPORTUNITY

The global EV Maintenance, Repair, and Overhaul (MRO) market is projected to touch ₹8,440 crore (US\$ 8.44 billion) by 2035, growing at an impressive 24% CAGR (Source: FMIblog). For India, this presents a compelling investment avenue in:

**Expanding** the service footprint into underserved regions.









- Launching training programs to nurture EV-specialized technicians.
- Localizing spare part manufacturing to cut down costs and import delays.

### THE RIPPLE EFFECT: CATALYZING THE SECONDARY EVECOSYSTEM

A strong servicing foundation doesn't just support vehicle uptime—it has a cascading impact across the broader EV landscape:

#### 1. EV Financing and Insurance:

Improved servicing boosts confidence among financial institutions, resulting in better loan options, reduced interest rates, and more comprehensive insurance policies.

#### 2. Pre-Owned EV Market Growth:

Reliable after-sales support increases trust in used EVs, fostering the growth of resale and leasing markets. This makes EV ownership more affordable and accessible.

#### 3. Smoother Warranty Claims and Battery Recycling:

Efficient servicing networks help streamline warranty claims and enable responsible batteryrecycling practices, addressing both consumer satisfaction and environmental sustainability.









#### **CONCLUSION: BUILDING FOR THE LONG HAUL**

India's EV servicing ecosystem is at a defining crossroads. By bridging service gaps, investing in skills and infrastructure, and fostering innovation in parts manufacturing, the country can transform its servicing sector into a key pillar of the EV revolution.

For stakeholders—from OEMs and service providers to investors and policy makers—this is not just a call to action, but an opportunity to shape a cleaner, more connected mobility future.











# Whitepaper

Making cost-effective batteries without compromising safety and performance expectations.

Prepared by

**Xtrawrkx** 















### **Acknowledgment**

We extend our heartfelt gratitude to **Sakshi Naidu** who made this white paper possible. Special thanks to **Mohammad Sanawar**, **Vineet Bansal**, **Prem Bhojwani** and **Hiten Saklani** for their invaluable insights, expertise, and commitment to advancing the field of battery lifecycle management and recycling.

We also appreciate the support and resources provided by our respective organizations, which facilitated the research and development of this document. Your collaboration and support have been instrumental in shaping the comprehensive analysis and solutions presented here.

We also express our sincere appreciation to **Hitesh Saklani** for transforming this verbal discussion into a comprehensive document and for setting up the discussions that led to its development.

#### Contributors:

- Mohammad Sanwar, Founder & CEO Delivery on time
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Lastly, we acknowledge the broader community of researchers, policymakers, and industry professionals whose work continues to drive innovation and progress in sustainable battery management.











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#### • Key Challenges in EV Battery Cost Optimization

High Battery Costs Despite Falling Cell Prices
Disparity Between Manufacturing Cost and Retail Pricing
Technical Trade-offs Between Charge Rate, Cycle Life, and Safety

#### Market Segmentation & Use-Case Scenarios

High-Utilization (B2B/Fleet) vs. Low-Utilization (Retail) Models Vehicle Types and Typical Battery Requirements

#### Flexible Battery Design Philosophies

High Cycle Life (1000+ Cycles) for Intensive Use Low Cycle Life (~200-300 Cycles) for Affordability in Light Usage Engineering Pathways to Achieve Each

#### Safety & Performance Considerations

Risks of High C-Rate Charging on Low-Cycle Batteries Safety-Centric Standards (e.g., AIS-156 Compliance) Electrolyte Chemistry and BMS Mitigations

#### • Diverse Business Models for Market Fit

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OEM Partnerships and Deferred Payment Options
Investor-Franchisee Network for Fleet Expansion

#### Tiered Product Strategy for OEMs

Creating Performance Segments Based on Use Case Communicating Value in Differentiated SKUs

#### Summary of Findings & Strategic Recommendations

Key Takeaways by Market Segment Cost-Performance Trade-off Matrix Roadmap for Implementation

**Read More** 









### Poll of the Month

Where do you see the highest ROI potential in the EV sector over the next 2 years and Why?

- 1) EV Battery Technology
- 2) Charging Infrastructure.
- 3) Two/Three Wheeler EVs.
- 4) EV Fleet & Logistics Platforms.
- In my view 2w/3w has a great potential and ROI. After the abandonment of subsidies offered under fame-2 policy, even the retrofit business is picking up. Thus in my opinion the ev kits business has the highest roi as the investment is lowest wrt all the other options.
- Mostly subscription models in any case would be high ROI. 11
- Not so easy for 2w and 3w, the initial cost looks lucrative but the service, failure and warranty costs sucks up the smallest little margin made in the vehicle. Even banks are not giving debt for these segments now because too many players couldn't sustain and disappeared in thin air. These 2 segments are low hanging but extremely cost sensitive, i firmly believe whoever has well oiled service network, supporting charging infra and spares across the country is winning this game. U can see the rise of Bajaj in the last 1 year purely based on 2 factors robust products, excellent service infra.
- We all only take charging as an infra business... Which is true but it's not an infra play only.... It's ENERGY... The core business is energy and if you understand that dynamics then it's margins for decades. ROI may look smaller today comparatively but as I call it... It's a Long Con.









#### **INTERVIEWS**

During our event Post Summit on Summit 2025 in Mumbai, we had the pleasure of interviewing some truly inspiring individuals — attendees, organizers, and special guests who brought energy, insight, and heart to the event. We asked them to share their thoughts, experiences, and memorable moments, and what this event meant to them.

We'd like to extend our heartfelt thanks to everyone who took a moment to speak with us during the event. Your words brought life to the celebration and gave us a deeper glimpse into the impact of our gathering.

A special thank you to our guests, policy enablers, active pass members, investors, and all EV Companies who participated — your presence made the event not just successful, but unforgettable.

From all of us at xtrawrkx, thank you once again for being a part of it. We look forward to many more such moments together. Here's what they had to say!"



Puran Singh Negi
COO, Jindal
Mobilitric

**Watch** 



Mohanmmad A. Khan
Founder,EVC Global
Mobility

**Watch** 











#### **Jahnavi Jaiswal**

Co-Founder Magron Novus

<u>Watch</u>



#### **Siddharth Patel**

Founder Greenway Mobility

Watch



#### Parshuram P.

Founder Gravton Motors

**Watch** 



### Lokesh Sai Munagala

Founder Helen Bikes

Watch









#### **UPCOMMING EVENTS**

**JUNE** 

15-18

## 38TH INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM AND EXHIBITION SWIDEN

This is one of the world's largest EV conferences, focusing on advancements in electric vehicles and related technologies.

**JUNE** 

27-28

### INDIA EV SHOW CHENNAI (INDIA EV EXPO & CONFERENCE)

India's largest electric vehicle show, featuring a wide range of EVs and related technologies.

JULY 5

# XOS 1ST PRE SUMMIT ON SUMMIT 2025-2026, HYDERABAD.

This is more than just a networking opportunity—it's a high-impact gathering of electric vehicle (EV) leaders, investors, and innovators. Designed to spark dialogue and collaboration, the event will spotlight cutting-edge trends and technologies shaping the next era of clean mobility.

SEP

11-13

**EV INDIA EXPO, GREATER NOIDA** 

India's Biggest Electric Motor Vehicle Show

OCT

28-30

**EV AUTO SHOW RIYADH** 

The event aims to showcase electric vehicles, innovative technologies, and services for the EV sector, uniting key stakeholders and promoting electric mobility.

OCT

14-15

THE EMOVE360 FUTURE MOBILITY CONFERENCE, MUNICH GERMANY

The eMove360° Future Mobility Conference is an annual international trade fair and conference focusing on electric and autonomous mobility. **FEB** 

**21** 

XOS SUMMIT ON SUMMIT 2026, DHARMSHALA.

This is more than just a networking opportunity—it's a high-impact gathering of electric vehicle (EV) leaders, investors, and innovators. Designed to spark dialogue and collaboration, the event will spotlight cutting-edge trends and technologies shaping the next era of clean mobility.

NOV

#### AUTO EV INDIA 2025, BENGALURU

Auto EV India is slated to be one of the world's premier Electric Vehicle and Automotive technology exhibitions and Conferences.









#### **Our Principal Sponsor**



PROLIM plays a pivotal role in the EV ecosystem, offering cutting-edge solutions in product development, simulation, product lifecycle management, and more — empowering companies across the electric vehicle sector.

We're thrilled to have them on board and look forward to working together to support and accelerate EV startups.

A huge thank you to the founder and team at PROLIM for believing in our vision.







