All India EV

EDUCATE | PROMOTE | AWARE

EV Magazine

February 2025

EV Update **Inside**

ROADGRID

EV Charging Solutions

Energizing the Mobility

www.roadgridindia.com

Top EV 2W Manufacturers in India

February 2025 Sales Data

From Vahan Dashboard, as of 28th Feb, 2025

1	Chetak	21,377
2	TVS iQUBE ELECTRIC	18,763
3	ATHER	11,805
4	OLA ELECTRIC	8,647
5	GREAVES ELECTRIC MOBILITY	3,700
6	VIDA Powered by Hero	2,677
7	PURE	1,566
8	BGAUSS	1,128
9	KINETIC GREEN	765
10	REVOLT	760
11	River	603
12	Joy e-bike	400
13	BOUNCE infinity	383
14	LECTRIX	270
15	e-SPRINTO	269
16	KOMAKI ELECTRIC VEHICLE DIVISION	246
17	Quantum	225
18	SIMPLE	218
19	ODYSSE	210
20	oben ELECTRIC	202

Top E-Rickshaw Manufacturers in India

February 2025 Sales Data

From Vahan Dashboard, as of 28th Feb, 2025

1	YC	3,370
2	MAYURI	2,064
3	City Life	1,644
4	Mini Metro™	912
5	VB Vande Bharat	905
6	उड़ान	853
7	JSA Three Wheelers	810
8	Panther	716
9	Badshah	700
10	SKS Arzoo	689
11	Indo Wagen	670
12	Saarthi	646
13	Terra Motors	582
14	Khalsa EV	549
15	Mahindra Last Mile Mobility	546
16	Zeoplus	545
17	Thukral Electric - Bikes	531
18	Atul	467
19	Inter Globe Energy	454
20	Sargam E Ride	438

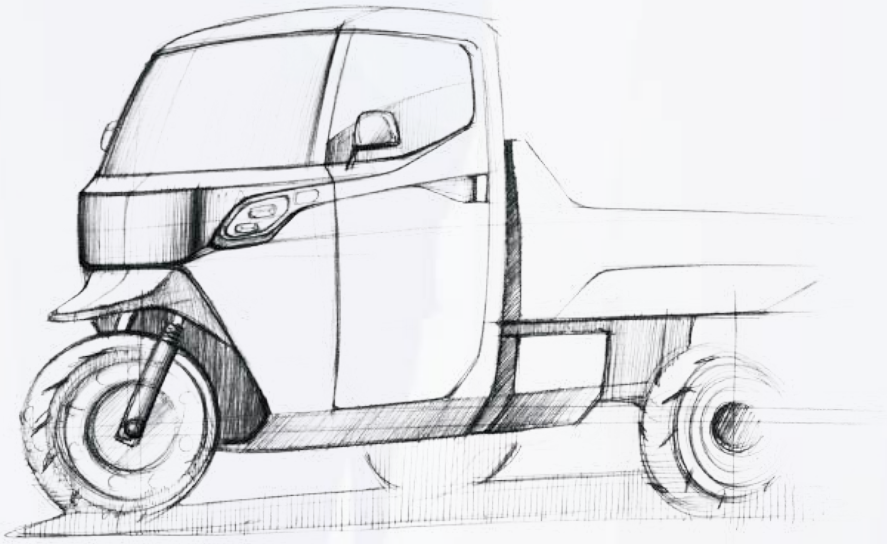
Top Electric 3W Passenger & Goods

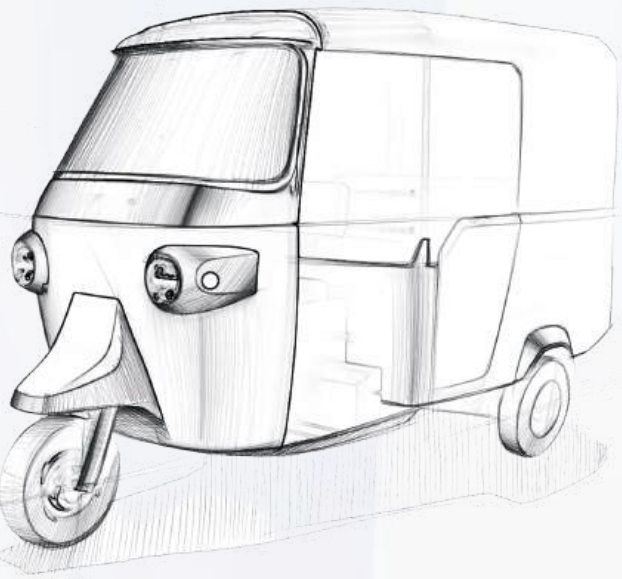
February 2025 Sales Data

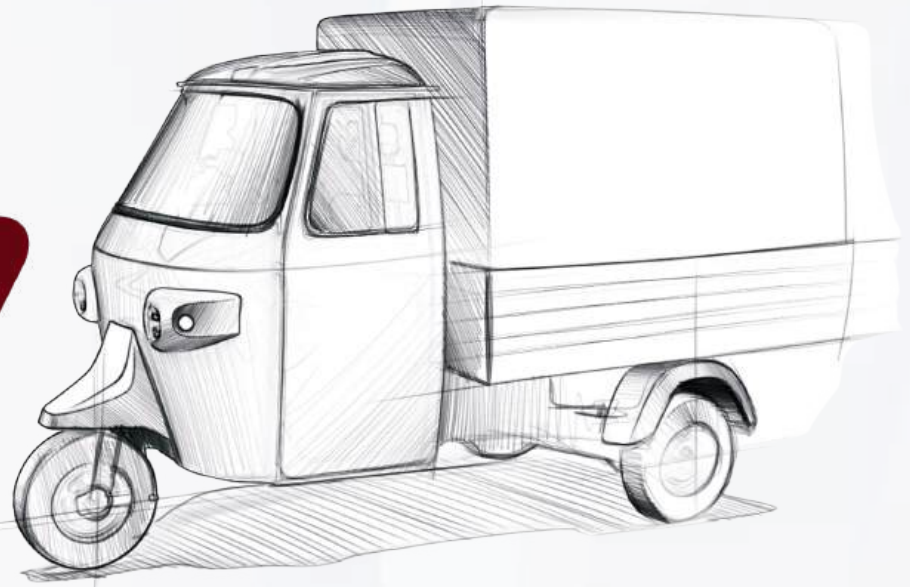
From Vahan Dashboard, as of 28th Feb, 2025

3W Goods	Feb
Mahindra last Mile Mobility	588
Omega Seiki	535
Bajaj Auto	430
Euler Motors	198
Zenmo Pvt Ltd	131
Paggio Vehicles	120
3EV Industries	71
Green Evolve	68
Atul Auto	66
E Royce Motors	55
Thukral Electric	23
Dilli Electric	22
Altigreen Propulsion	16
Rilox EV	13
KLB Komaki	11
Atul Greentech	10
Keto Motors	9
Saera Electric	9
Altier Electric	8
ECO Dynaamic	6

3W Passenger	Feb
Mahindra Last Mile	4,729
Bajaj Auto	4,154
Piaggio Vehicles	1,043
Omega Seiki	570
TI Clean Mobility	531
TVS Motor	308
Atul Greentech	136
Atul Auto Ltd	56
Thukral Electric	52
Dilli Electric	42
Euler Motors	41
MLR Auto	25
Champion Ply Plast	14
JMT vehicles	14
Baxy Ltd	13
Godawari Electric	13
Extra fast Solution	12
Victory Electric	11
Lohia Auto	10
Kinetic Green Energy	8

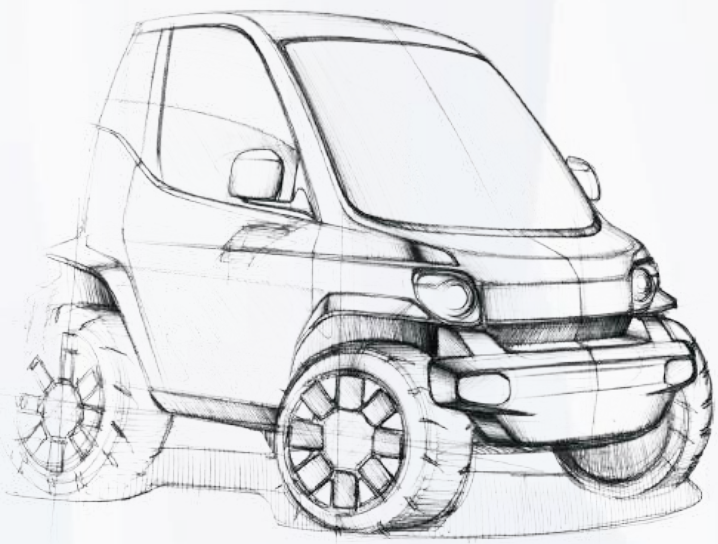


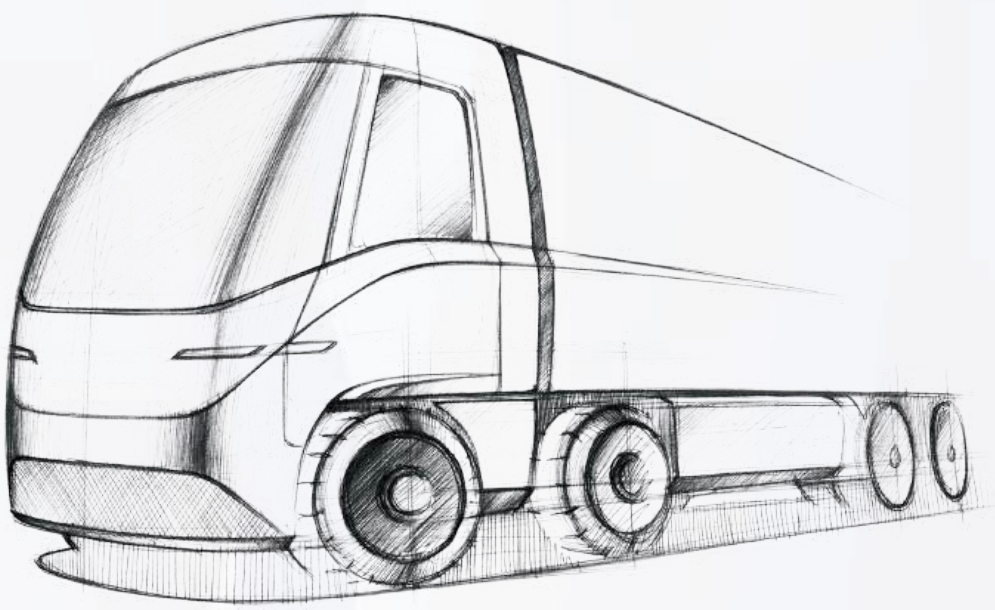




DAWKI

ThreeD Magic group





www.dawkimobility.com

Top Electric Bus

February 2025 Sales Data

From Vahan Dashboard, as of 28th Feb, 2025

Company	Sales
Switch Mobility	88
Olectra Greentech	66
PMI Electro Mobiity	57
Tata Motors	42
JBM Auto	30
Aeroeagle Automobiles	12
Veera Vidyuth Vahana	3
Pinnacle Mobility Solutions	2
Veera Vahana Udyog Pvt Ltd	1

Top Electric 4W

February 2025 Sales Data

From Vahan Dashboard, as of 28th Feb, 2025

Company	Sales
Tata Passenger Electric Mobility	3,802
MG Motor India	3,258
Hyundai Motor India	738
Mahindra & Mahindra Ltd	422
BYD India	253
BMW India	219
PCA Automobilles	59
Mercedes Benz AG	55
Mahindra Electric Automobiles	54
Volvo Auto	20

Type-2
Charging Gun

EV MILES™

Electric Vehicle
Charging Sockets & Plugs

evmilesindia@gmail.com
+91 98218 74625 | +91 98201 36044

Milestones

Recyclekaro Expands Recycling Capacity To 24,000 Tonnes, Strengthening India's Circular Economy

Recyclekaro has announced a major expansion of its recycling capacity, increasing its total processing capability to 24,000 tonnes annually at its facility in Palghar, near Mumbai. This expansion significantly boosts the company's e-waste recycling capacity from 7,500 MT to 24,000 MT per year and its battery recycling capacity from 4,200 MT to 10,000 MT per year.

Mahindra's Electric SUVs XEV 9e and BE 6 Secure ₹8472 Crore in Bookings on First Day

Mahindra's latest electric SUVs, the XEV 9e and BE 6, have taken the Indian automotive market by storm, securing an astounding ₹8472 crore in booking value (at ex-showroom price) within the first 24 hours of opening. The electric SUVs amassed a total of 30,179 bookings, a remarkable achievement given that total electric passenger vehicle sales in India for the entire calendar year 2024 were approximately 1 lakh units.

PM E-Drive: ₹10,900 Crore Scheme To Boost EV Adoption And Manufacturing In India

The Indian government has launched the PM E-Drive scheme with an allocation of ₹10,900 crore to accelerate the adoption of electric vehicles (EVs) and support environmental sustainability. The scheme, which is available until March 31, 2026, aims to boost electric mobility through key initiatives such as financial incentives, infrastructure development, and domestic manufacturing support.

Greaves Electric Mobility's Ampere Two Wheeler Showcases Impressive Sales With 53% YoY Growth

Greaves Electric Mobility Limited (GEML), the e-mobility arm of Greaves Cotton Limited has witnessed stellar adoption by electric two-wheeler consumers across India in January. Under the company's flagship Ampere brand, it sold 3,611 units in January according to the Vahan portal, retaining the 5th spot amongst top-selling electric two-wheeler brands in India.

TUX Mobility: A Solar Powered EV

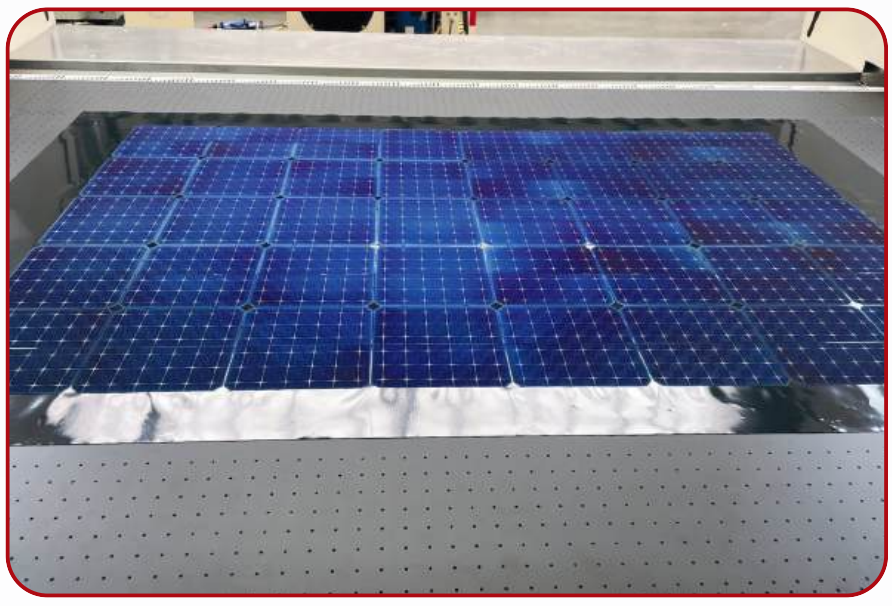
Mr. Laurens Janssen
Co-Founder: TUX Mobility

What inspired you to design and develop a solar-powered electric cargo vehicle? Can you share the story behind this innovative concept?

The idea behind TUX mobility's solar-powered electric cargo vehicle emerged from the need for cleaner, more efficient transport solutions in urban logistics. During a trip in a traditional auto-rickshaw, founders Fleur and Laurens realized the potential of light electric vehicles (LEVs) for urban deliveries. The challenge, however, was ensuring these vehicles could operate with minimal reliance on grid electricity. By integrating solar patented photovoltaic (PV) technology, TUX aims to reduce both operating costs and emissions, making sustainable logistics more accessible to businesses worldwide.

How does the integration of an 800-watt solar panel with a 10 kW battery enhance the vehicle's range and performance, specifically for cargo applications?

TUX mobility vehicles incorporate patented lightweight, high-efficiency solar modules alongside an advanced 10 kWh lithium-ion battery system. The Vehicle Integrated PV (VIPV) on the TUX vehicle can generate up to 5 kWh of energy per day, depending on the local sunlight conditions. This adds up to 55km of range, additional to the range that the internal battery already provides. It significantly reduces downtime for fleet operators, as vehicles can partially recharge while in motion. TUX’s energy management system ensures that solar power is utilized efficiently, extending the battery life while maintaining peak performance in urban cargo applications



What unique challenges did you face while integrating solar photovoltaic technology into a cargo vehicle, and how did you address them?

Integrating solar PV technology into a vehicle comes with unique engineering challenges, including limited roof space for panels, structural weight concerns, and variable energy input due to weather conditions. TUX mobility has addressed these issues by developing patented lightweight and impact-resistant VIPV that provides high power output even under dynamic sunlight conditions. Furthermore, TUX's intelligent power management system and maximum power point tracker ensure optimal energy distribution, allowing the vehicle to operate efficiently in varying sunlight conditions.

If a fleet operator adopts your solar-powered cargo vehicle, how will it provide an economic advantage compared to standard electric cargo vehicles? Can you provide insights into cost savings, operational efficiency, or other benefits?

Fleet operators adopting TUX mobility's solar-powered cargo vehicles benefit from significant cost savings. Traditional electric cargo vehicles require frequent grid charging, contributing to high electricity costs. With integrated solar panels, operators can offset a substantial portion of their energy consumption, reducing yearly energy expenses by an estimated 30%. Additionally, the ability to charge while on the move minimizes downtime, thus increasing operational efficiency. Reduced wear and tear on the battery system further lowers long-term maintenance costs, making solar electric cargo vehicles a smart investment for businesses

Given the demands of cargo transport, what is the estimated daily energy generation from the solar panels in real-world conditions, and how does this impact payload efficiency and downtime?

Durability and reliability within a cost efficient package are core design principles at TUX mobility. TUX's patented impact-resistant VIPV has been designed to withstand harsh weather conditions and mechanical stress. The vehicle chassis is reinforced to accommodate cargo loads while maintaining stability and efficiency. Additionally, TUX's maximum power point tracker dynamically and rapidly adjusts output power based on solar input, ensuring optimal performance across varied conditions.

What are the key design considerations for the solar panels and overall vehicle structure to ensure durability, reliability, and efficiency under heavy-duty and varied operational conditions?

Looking ahead, TUX is excited about advancements in photovoltaic technologies, such as a zero breakdown voltage of interdigited back contact solar cells, making it even easier for cells to cope with varying shading conditions. TUX also looks forward to high cell efficiencies of 28% that are currently achieved in lab conditions, to become commercially available. TUX's future plan is to cater its patented VIPV products also to different types of fleets and OEMs, including urban delivery vehicles, medium- and long-haul vehicles, and AC/refrigerated transport.

StromPuls

GO ELECTRIC, GO GREEN

Portable EV Chargers

Wallmount EV Chargers

Compatible with all major brands

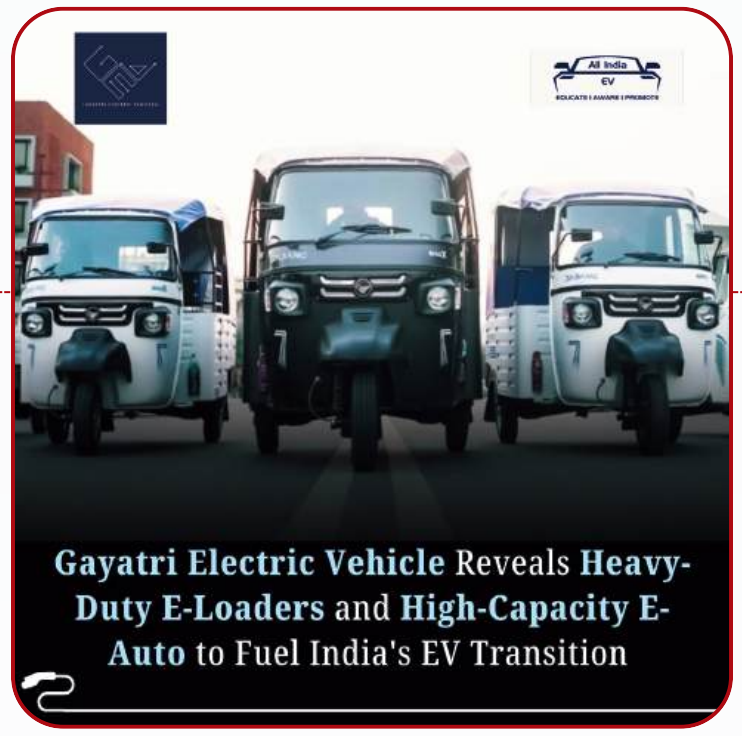
Audi · Porsche · BMW · Citroën · Hyundai · Mercedes-Benz · MG · Tata · Kia · Mitsubishi

7996600133 | amazon.in/strompuls

New Product Launch


DELTA
DELTA
Delta at ELECRAMA 2025 Unveils New Robotics Line, Fast EV Charger for Indian Market


TOYOTA
Everything You Should Know About
Toyota's First Electric Vehicle in India
URBAN CRUISER HYRYDER


Gayatri Electric Vehicle Reveals Heavy-Duty E-Loaders and High-Capacity E-Auto to Fuel India's EV Transition


Creatara Mobility, supported by Shri Nitin Gadkari, unveils the IN40 and VM4 electric two-wheelers at IIT Delhi


BattRE
#DontBeFuelish
BattRE Electric Mobility Launched LOEV+,
Premium E-Scooter For The Future of Urban Commuting

BAXY Mobility: Driving Growth, Innovation And The Road Ahead

Mr. Kumar Ramamurthi
CEO: BAXY Mobility

As I reflect on our journey at BAXY Mobility, I am proud of the remarkable strides we have made in shaping the future of three-wheeler mobility. Our unwavering commitment to growth, innovation, and sustainability has driven our success, and the past year has been one of transformation, milestones, and strategic advancements. Our vision is clear: to position BAXY Mobility among the Top 5 Indian three-wheeler players by FY30. With our expanding market presence, growing partnerships, and a strong focus on delivering excellence, we are paving the way for the future of last-mile mobility.

Strengthening Market Presence: A Strategic Expansion

We have successfully positioned BAXY Mobility as a key player in the three-wheeler segment, offering a diverse range of ICE and electric variants catering to both commercial and passenger needs. Our commitment to quality, performance, and customer satisfaction has enabled us to expand across India, reaching urban and rural markets alike. This year, we have also stepped into international markets, and I look forward to further expanding our global footprint.

To ensure accessibility, we have significantly expanded our dealership network, strengthening our distribution channels. Our commitment to after-sales service and spare parts availability has further reinforced customer confidence and loyalty. Additionally, our digital engagement strategies and customer-centric campaigns have enhanced our brand's recall value and market positioning.

Growth and Innovation: The Roadmap to Excellence

At BAXY Mobility, we believe in continuous learning, and our employees, dealers, and customers remain at the heart of our growth. Last year, we introduced training programs for our staff, equipping them with industry best practices, operational expertise, and leadership skills. This has significantly improved workforce efficiency and operational excellence.

Engagement with our stakeholders has been a priority. Our Auto Mela in Gurugram was a landmark event, allowing us to connect directly with customers. The All India Dealers Meet provided a platform to discuss market insights and align growth strategies, while the Auto Union Leaders Meet at our plant helped strengthen relationships with key industry influencers.
Our manufacturing plant in Roorkee has undergone a major revamp, boosting production efficiency and ensuring that we meet growing market demands. Additionally, we have strengthened our supply chain, reinforced our R&D team, and streamlined operations to drive innovation and deliver superior quality vehicles.

Another key milestone was our brand commercial film, which effectively captured the essence of BAXY Mobility and our role in shaping the transportation industry. This was more than just a marketing initiative—it was a storytelling effort that resonated with our customers and stakeholders. Our digital marketing investments have further strengthened our brand visibility and engagement.

Recognizing our top-performing dealers, we launched the BAXY Ke Sitare – Elite Dealer Club Meet, an exclusive initiative to celebrate excellence and foster long-term partnerships. Additionally, our customer feedback-driven innovations continue to shape solutions that meet market demands effectively.

Commitment to Sustainability: Leading the EV Revolution

Sustainability remains at the core of our innovation. We made history with the launch of 10 electric vehicles, marking a significant milestone in the Indian mobility sector. Our electric vehicles offer superior efficiency, lower operating costs, and zero emissions, reinforcing our commitment to a cleaner, greener future. Our R&D team continues to advance battery technology, making our EVs even more efficient and reliable.

We are not just building vehicles; we are shaping a future where clean mobility becomes the norm rather than the exception. Our increased investments in green technology and infrastructure ensure that we remain at the forefront of sustainable mobility solutions.

Strengthening Partnerships: Building a Collaborative Future

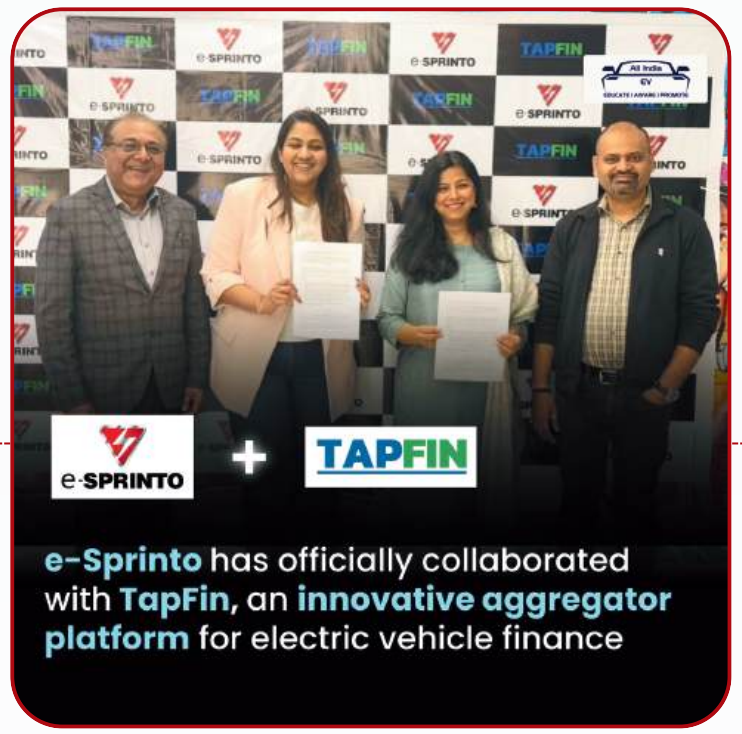
BAXY Mobility thrives on strong relationships—with our dealers, suppliers, employees, and customers. Over the past year, we have enhanced dealership branding and showroom support, ensuring our brand's presence is felt across the country. Through these initiatives, we provide our partners with the tools and resources they need to drive sales and enhance the customer experience.

Our dealership expansion strategy has enabled us to cater to a wider audience, strengthening our presence in both urban and semi-rural markets. We will continue to build on these partnerships, ensuring mutual growth and success.

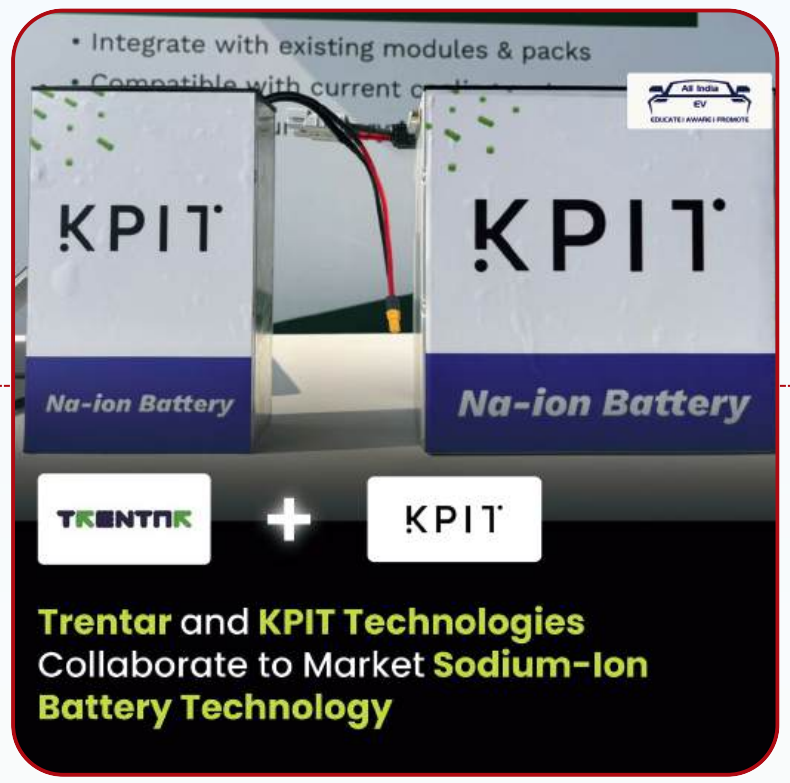
The Road Ahead: Vision 2030 and Beyond

As we look to the future, our vision remains clear—to lead the three-wheeler industry with innovation, excellence, and sustainability. We are committed to expanding our product portfolio, strengthening our dealership network, and enhancing customer engagement. With technology-driven advancements and a customer-first approach, we aim to create solutions that meet the current demands of the industry while shaping a smarter, greener tomorrow.

Joint Ventures and Partnerships




EMOTORAD
EMOTORAD Premium E-Cycles
BOSCH
Bosch and EMotorad together to revolutionize the micro-mobility industry


• Integrate with existing modules & packs
KPIT
KPIT
Na-ion Battery
Na-ion Battery
TRENTAR
KPIT
Trentar and KPIT Technologies Collaborate to Market Sodium-Ion Battery Technology


chargeMOD
chargeMOD
ATHER
Ather Energy and ChargeMOD will install 121 EV charging stations, In Kerala


MARUTI SUZUKI
Suzuki Collaborates on EV Batteries With FinDreams and Tata Gotion produced
@allindiaev
FinDreams Battery
SUZUKI
TATA GOTION


ZYPP ELECTRIC
Indofast Energy and Zypp Electric will collaborate to deploy 1 lakh e2W for last-mile logistics
@allindiaev
INDOFAST ENERGY
ZYPP ELECTRIC


India and Argentina sign a mining and exploration agreement for lithium


TATA POWER
EULER
@allindiaev
Euler Motors and Tata Power Renewables sign
MoU to Accelerate EV adoption with Fast-Charging
Infrastructure Expansion for Commercial EVs


PURE EV and JioThings Smart Mobility Collaborate to Transform the Electric Two-Wheeler Market in India
@allindiaev
PURE
JioThings


MATEL
MOTION . ENERGY
Honda e:SWAP
Honda Power Pack Energy and Matel Motion Collaborate to Promote EV Battery Swapping in India


SHRIRAM Finance
GODAWARI
GODAWARI
SHRIRAM Finance
SHRIRAM Finance
GODAWARI
SHRIRAM Finance
Godawari Electric Motors has partnered with Shriram Finance to offer statewide eblu EV financing

India’s 2030 EV Target: Reality Check & Future Outlook

Mr. Nishchal Chaudhary
CEO & MD: Batt:RE Electric Mobility

In recent years, India's ambition to electrify its transportation sector by 2030 has been both commendable and challenging. The government's target is for electric vehicles (EVs) to constitute 30% of new car sales by the end of this decade. As we stand in 2025, it's imperative to assess our progress, identify existing challenges, and anticipate the roles of both the government and consumers in this transformative journey.

Current Landscape of EV Adoption

The year 2024 witnessed a significant surge in EV adoption across India. Sales grew by an impressive 27%, surpassing the 2 million units mark. This growth was predominantly driven by two-wheelers, which accounted for 59% of total EV sales, and three-wheelers at 35%. States like Uttar Pradesh, Maharashtra, and Karnataka emerged as frontrunners, collectively contributing to 40% of the nation's EV sales. Karnataka, in particular, led the expansion of charging infrastructure, boasting 5,765 public charging stations, which is 23% of the national total.

This rise in adoption is also linked to the rapid expansion of battery-swapping stations in urban and semi-urban areas, reducing downtime for electric two-wheelers and three-wheelers. Over 3,000 swapping stations have been established, particularly in Delhi, Mumbai, and Bangalore. Such innovations are reshaping the EV landscape by addressing one of the primary concerns of potential EV consumers: range anxiety. Additionally, automakers are investing heavily in localizing battery production, further reducing the cost burden on end-users.

Policy Initiatives and Their Impact

To bolster EV adoption, the Indian government has introduced several policy measures. The PM Electric Drive Revolution in Innovative Vehicle Enhancement (PM E-DRIVE) scheme, launched in October 2024 with an outlay of ₹10,900 crore, aims to support various EV segments, including two-wheelers, three-wheelers, trucks, buses, and ambulances. Notably, ₹2,000 crore has been earmarked for the development of public charging infrastructure, addressing range concerns and supporting high-usage commercial fleets.

Additionally, the Scheme for Promotion of Manufacturing of Electric Passenger Cars in India (SPMEPCI), notified in March 2024, requires manufacturers to invest a minimum of ₹4,150 crore. This initiative aims to boost domestic manufacturing and reduce reliance on imports, fostering a self-sustaining EV ecosystem. The Indian government has also been engaging with global automakers to facilitate knowledge transfer and technological collaborations to strengthen the domestic EV industry.

Challenges on the Road Ahead

Despite the positive momentum, several challenges persist. Electric cars currently represent only about 2% of the Indian automotive market. Factors such as high upfront costs, limited charging infrastructure, and concerns over battery longevity deter many potential buyers. Moreover, while urban centers are gradually enhancing their EV infrastructure, rural areas lag, necessitating a more inclusive approach to infrastructure development.

Additionally, the recent policy to cap investments in EV charging infrastructure at 5% of the total required for manufacturing incentives has raised concerns. This move, intended to prioritize vehicle manufacturing, might inadvertently slow the expansion of the much-needed charging network, potentially impacting consumer confidence and adoption rates.

Battery disposal and recycling remain another key issue. India needs a robust end-of-life battery policy to handle the growing demand for EVs sustainably. While initiatives to establish battery recycling units are underway, more extensive policies are needed to ensure circular economy principles are followed.

The Role of Government and Consumers

For India to achieve its 2030 EV targets, a synergistic effort between the government and consumers is essential. The government must continue to offer and possibly enhance incentives for both manufacturers and consumers. Subsidies, tax rebates, and reduced import duties can make EVs more affordable, while investments in charging infrastructure can alleviate range anxiety. Furthermore, policies should encourage research and development in battery technology and energy storage solutions, positioning India as a leader in EV innovation.

The integration of renewable energy sources into EV charging infrastructure is another area that requires more attention. Solar-powered charging stations could significantly reduce dependency on coal-generated electricity, making the EV ecosystem truly sustainable.

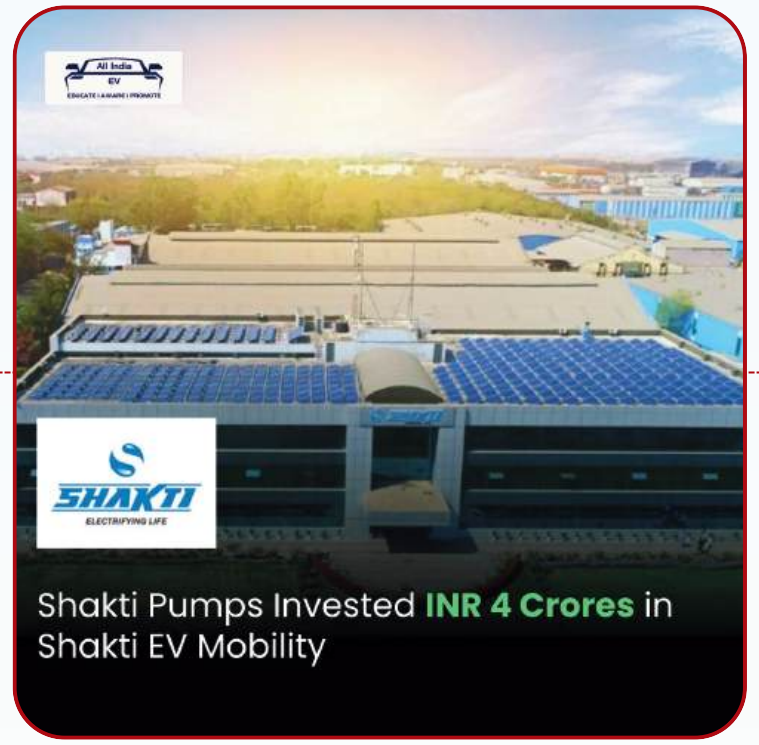
Consumers, on the other hand, play a pivotal role in this transition. Awareness and education about the long-term benefits of EVs—both economic and environmental—can drive adoption. As more individuals and businesses opt for electric vehicles, market demand will incentivize further advancements and investments in the sector.

As we navigate this journey, the collaboration between government bodies, industry stakeholders, and consumers will determine the success of India's EV revolution. While challenges persist, the momentum generated in recent years suggests that India is heading in the right direction, provided the necessary policy and infrastructure measures continue to evolve in tandem with consumer demand.

Looking Forward

The path to electrifying India's transportation by 2030 is ambitious but attainable. The progress made thus far is encouraging, yet it underscores the need for sustained efforts. A balanced approach that addresses manufacturing, infrastructure, policy support, and consumer awareness will be crucial. The rapid evolution of battery technology, government-backed investments in localized production, and innovative business models such as battery leasing are all expected to shape the future of India’s EV ecosystem.

Who Got Funded?



Other EV Updates

Rajasthan government announces **INR 200 crore** incentive to encourage the purchase of e-vehicles

ThunderPlus opens a **high-speed EV charging station** at the **Hyderabad headquarters of NMDC**

Hero Motocorp's EV unit will function as a **separate legal company**

First, **18 new EVs** are expected to be introduced in **India in 2025**, outpacing **gasoline and diesel vehicles**

Kinetic Group Opens New Facility in **Ahmednagar** to Enter **EV Battery Manufacturing**

Statiq adds a **new EV charging station** to its network at **Chennai's Express Avenue Mall**

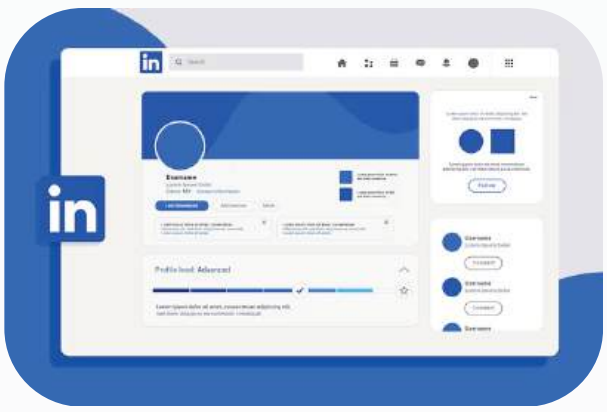
ZEVO Reimagines **Sustainable Logistics** with the Launch of **Green Rapid Delivery Service**

Ashish Tandon is appointed as the **Global Head** for **Customer Excellence** at **Euler Motors**

The market for **wireless EV charging** is expected to grow at a **38.6% CAGR to reach $12.4 billion by 2033**

Branding with All India EV

- 1100+ Hours of watch time in last 4 Months
- 100K views



- 700K+ Organic Impressions
- 45K+ LinkedIn Followers

What do we offer?

Podcast

Authored Articles

Content Marketing

Advertisement

Branding Consultancy

All India EV

EDUCATE | AWARE | PROMOTE

All India EV is India’s fastest growing
EV Industry based media and market research platform.

Our objective is to give our readers a 360° view of the Indian EV industry through our content so that they can understand about the industry in a better way.

8588906961

ankit.sharma@allindiaev.com
allindiaev@gmail.com