



Dear Friends,

As we move into the new financial year, I wanted to take a moment to reflect on the progress we've made so far and share our plans for the coming months.

First and foremost, I want to express my gratitude for the hard work and dedication of our team. Despite the challenges we've faced, we've continued to innovate and deliver great products and services to our customers.

Looking back, in the last FY 2022-23, we have initiated several exciting new initiatives, including Manufacturing Capacity Augmentation, CRUSADE 1.0 initiative, IATF 61929 and 5S implementation. We're confident that these initiatives will further enhance our position as a leader in the industry and continue to provide value to our customers.

Looking forward to FY 2023-24, we are entering a critical phase where execution will be key to our continued success. Our focus is on relentless execution and micro-detailing to deliver top-class products. Additionally, we need to prioritise value engineering to provide enhanced value to our customers.

At Cygni, we are steadfast in our belief that persistent effort and constant innovation are pivotal in achieving both success and expansion. Through the promotion of enhanced battery packs and Energy Storage System battery recycling, we strive to preserve our planet's natural resources, decrease pollution levels, and mitigate greenhouse gas emissions. Our unwavering dedication to providing sustainable EV batteries and ESS solutions has positioned us as a prominent market leader in this realm.

Thank you for your continued support and dedication to our mission. We look forward to working with you all as we continue to grow and innovate in the coming months. Please take a moment to read our Cygni Newsletter and share your thoughts with us. We value your support and wish you good health and safety at work.

Thank you,  
Venkat Rajaraman

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### IS ELECTRIC VEHICLE REPAIR THE NEXT BIG THING?

The electric vehicle (EV) market in India is set to grow significantly in the coming years, with the government's focus on promoting EVs as a key component of its climate change action plan. According to a report by Bloomberg New Energy Finance, about a third of the vehicles sold in India will be electric by 2030. However, the infrastructure for repairing and servicing EVs & EV batteries is lacking.



Venkat Rajaram, CEO of Cygal Energy believes that there is a huge opportunity for the EV repair industry to develop and become the next big thing, especially in the two-wheeler and three-wheeler space.

Key differences between EVs and ICE vehicles with respect to service requirements  
- One of the key differences between EVs and traditional Internal Combustion Engine (ICE) vehicles is the warranty period. EVs usually come with a longer warranty period compared to ICE vehicles, primarily due to the fact that EVs have fewer moving parts, which means there are fewer things that can go wrong. For example, the Tata Nexon EV comes with an eight-year warranty for the battery and motor, which is much longer than the standard three-year warranty

## Is Electric Vehicle Repair The Next Big Thing

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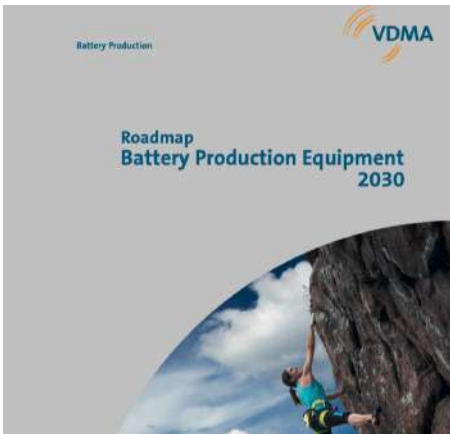
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## Technology ruling the automotive trends for 2023-2024

Technology is rapidly transforming the automotive industry and is set to continue its dominance in the coming years of 2023-2024. In recent years, it has undergone a seismic shift, and this transformation is only going to accelerate in the years ahead. Advanced technologies such as artificial intelligence, machine learning, and the Internet of Things (IOT) are now at the forefront of the industry, paving the way for a new era of driving.

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## VDMA Roadmap on Battery Production equipment

Which technology breakthroughs are needed in large-scale production by 2030 in battery industry? Excellent insights into battery product equipment roadmap for both cells and battery packs. Red Brick walls that are technology barriers are also highlighted. For intelligent, sustainable battery production, it is important to understand the interaction of complex production lines, reduce costs and ensure process stability. The report can be downloaded from the link below

[Download the Report](#)



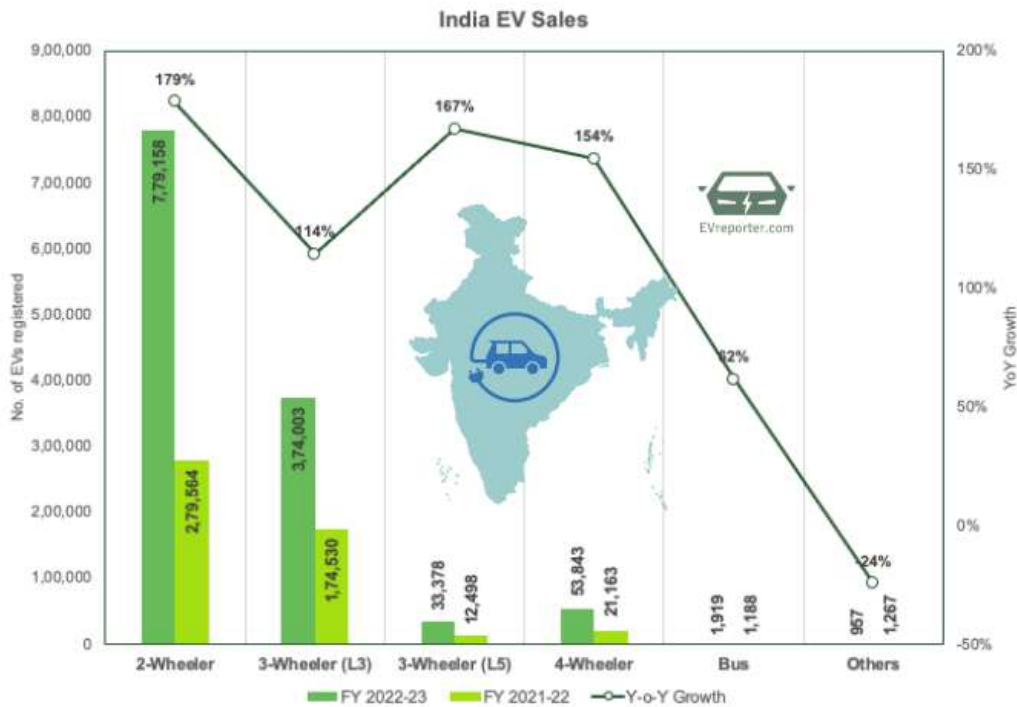
## Odisha hikes incentives to promote EV

The Odisha government issued notification regarding amendment of the Odisha Electric Vehicle Policy, 2021.

Through this amendment, the government has increased the subsidy on the purchase of two-wheeler, three-wheeler and four-wheeler electric.

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## India EV Sales Apr 2022 to March 2023



### Li-Ion Battery for E-Rickshaw

The Lithium Ion batteries by Cygni for Loader and E-Rickshaw are now available in high-capacity variants of 5, 7.5, and 10kWh, with tailor-made and compact design. The battery pack from Cygni also offers a range of innovative features:

- Reserve Mode Function
- Multiple Temp Sensor-based Protection
- Faster Cell Balancing



### Swapping Technology Batteries for EV

India is considering battery swapping as a viable option to promote the adoption of cleaner transportation, instead of relying solely on setting up charging stations. Cygni batteries offer an innovative solution to this issue with their 4G enabled Smart Battery Pack and Lock Smart Vehicle Battery Charger Cloud Protocol (LS-VBCC). The batteries are equipped with a CAN bus and 4G interface, enabling easy



- Ability to revive a deeply discharged battery
- Dynamic Overload Cut-Off
- GPS Enabled Tracking
- Remote Disconnect

monitoring and communication with Vehicle Control Units (VCUs) and Chargers for intelligent swapping. Swapping stations will also provide controlled charging, which can help extend the battery life of electric vehicles.

## Upcoming Activities-May 2023



### India Energy Storage Week

IESA is organizing 8th edition of annual flagship conference, India Energy Storage Week (IESW) – Hybrid Conference & Expo from 1 – 6 May, 2022 at New Delhi. Cygni Energy will participate in this event.

## Cygni Celebration - AHM

Cygni's All-Hands-Meet was celebrated with lot of enthusiasm. **Sh Ajay Mishra**, Former Special Chief Secretary, Energy Department, Govt of Telangana (also Director-General, Renewable Energy Society of India and Hon Chairman of the Indian Red Cross Society, Telangana) was the Chief Guest for the event. He spoke brilliantly on the importance of delegation, role of transparency and technological advancements in the Energy Storage industry.



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