Mahindra Unveils New Dedicated State-of-the-art EV Manufacturing & Battery Assembly Facility in Chakan

Auto

Author : mahindraadmin Category : Auto Published : 1/8/2025

Pune, January 8, 2025: Mahindra today unveiled its new dedicated state-of-the-art manufacturing and battery assembly facility at its Chakan plant, a fully integrated ecosystem dedicated to producing Electric Origin SUVs.

Strategically located within the Company's 2.83 km^2 Chakan manufacturing hub—one of India's largest greenfield projects, a water-positive facility- and 100% reliant on renewable energy —the new plant for EV operations underscores Mahindra's commitment to innovation and sustainable manufacturing. As announced earlier, Mahindra has allocated ₹ 4 500 Crores out of the total ₹ 16000 Crores planned in the F22-F27 investment cycle—which includes powertrain development, two product top hats including software & tech and manufacturing capacity.

Mahindra's EV manufacturing hub is a fully integrated, highly automated manufacturing ecosystem that leverages over 1000 robots and multiple automated transfer systems. Alongside a strong focus on skill development

and quality, the EV facility targets a 25% gender diversity ratio, reinforcing the plant's inclusive and future-ready work culture. Driven by this foundation, Mahindra is now charged up to roll out next-generation Electric Origin SUVs.

THE NEXT-GENERATION EV PLANT

- A footprint of around **88000 m^2** for the EV domain.
- Utilises a **fully automated Press Shop**, an **AI-driven Body Shop** and one of India's most sophisticated **robotic Paint Shops** to optimize quality and efficiency.
- Deploys **over 500 robots** and fully automated transfer systems in Body Shop, all monitored via an **IoT-based "Nerve Center"** for real-time process insights and end to end traceability.
- Adopts **Industry 4.0 tech**, **AMRs (Autonomous Mobile Robot)**, and **AGVs** for seamless material movement, underscoring Mahindra's commitment to **safety, speed, and reliability** in sustainable manufacturing.

CUTTING-EDGE BATTERY ASSEMBLY

- Operates as one of the world's most **compact battery manufacturing lines**, employing patented processes and lean module assembly.
- This fully automated plant integrates world-class manufacturing processes developed and implemented indigenously to produce/store/transfer high-performance, long-lasting batteries using industry 4.0 tech.

- Employs a **patented pallet design** for optimal insulation and geometric accuracy, plus **hidden cell terminal welding** for enhanced connectivity and robust performance.
- Performs **multi-layered end-of-line testing** simulating real-world conditions, backed by **IP67 ingress protection**, real-time temperature monitoring, and **automated anomaly isolation**.
- Implements a **no-fault-forward strategy** coupled with proprietary switching technology, that underscores superior product quality and reliability.
- Reinforces Mahindra's pledge to deliver **durability, safety, and peace of mind** through best-in-class battery solutions tailored for electric mobility.

With this new state-of-the-art Chakan-based manufacturing and battery assembly facility, Mahindra takes another major step toward shaping the future of mobility. By combining localised battery assembly, high-end automation, and a dedication to innovation, Mahindra is reinforcing its commitment to "Make in India for the World" and contributing to India's efforts to meet its COP26 targets for 2030.

Social Media Addresses for Mahindra Electric Origin SUVs:

- Brand website: https://www.mahindraelectricSUV.com/
- **Instagram:** @mahindraelectricSUVs
- **Twitter (X):** @mahindraSUVs

- **YouTube:** @mahindraelectricSUVs
- **Facebook:** @mahindraelectricoriginSUVs
- **Hashtags:** #UnlimitIndia #XEV9e #BE6 #MahindraElectricOriginSUVs

About Mahindra

Founded in 1945, the Mahindra Group is one of the largest and most admired multinational federation of companies with 260000 employees in over 100 countries. It enjoys a leadership position in farm equipment, utility SUVs, information technology and financial services in India and is the world's largest tractor company by volume. It has a strong presence in renewable energy, agriculture, logistics, hospitality, and real estate.

The Mahindra Group has a clear focus on leading ESG globally, enabling rural prosperity and enhancing urban living, with a goal to drive positive change in the lives of communities and stakeholders to enable them to Rise.

Learn more about Mahindra on www.mahindra.com / Twitter and Facebook: @MahindraRise/ For updates subscribe to https://www.mahindra.com/news-room.

Media contact information

Siddharth Saha

Sr. Manager, Marketing Communications, Mahindra Automotive

Email – saha.siddharth@mahindra.com

You can also write to us on: automediaenquiries@mahindra.com

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