

Toyota, Mazda team up to build battery storage ecosystem in Japan

22-Aug-2025 11:48 GMT

IHS Markit

S&P Global

Supply Chain and Technology, Automotive

The tests aim to improve battery ecosystem, supporting carbon neutrality and industry competitiveness in Japan

Japanese automakers Toyota Motor Corp. and Mazda Motor Corp. have commenced joint field tests of Toyota's Sweep Energy Storage System at Mazda's Hiroshima Plant in Hiroshima Prefecture, Japan.



Source: Getty Images/iIynX_v

The tests involve connecting Mazda's power system at its headquarters, which is the sole power generation system operated by an automaker in Japan, with Toyota's system that uses batteries from electrified vehicles through its energy management systems. This setup aims to verify stable, high-quality, and efficient charging and discharging processes.

In the future, the storage system is intended to regulate power supply and demand from renewable energy sources, which vary based on weather and time, thereby supporting carbon-neutrality efforts.

These tests are part of an initiative to build a battery ecosystem, one of the seven issues being addressed by the Japan Automobile Manufacturers Association within the mobility industry. This ecosystem aims to ensure the stable procurement of essential resources and establish a resilient supply chain by sustainably reusing batteries in Japan, including those from electrified vehicles.

Toyota and Mazda plan to continue facing industry challenges by adopting a multipathway strategy to achieve carbon neutrality and enhance industry competitiveness.

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