



P R E S S R E L E A S E

January 28, 2025

MFTBC repurposes eCanter batteries for energy storage systems with EV chargers

- **Joint development of Battery 2nd Life solution in-partnership with CONNEXX SYSTEMS**
- **February 2025: Test facility to be installed at Muko City Hall, Kyoto to charge city's official EV cars**
- **Mid 2025: Test facility to be installed at MFTBC's Kawasaki Plant to charge EVs, including trucks**
- **Aiming for commercial business model implementation in 2026**

Mitsubishi Fuso Truck and Bus Corporation (Headquarters: Kawasaki City, Kanagawa Prefecture, President and CEO: Karl Deppen, hereafter "MFTBC") will conduct a demonstration of its Battery 2nd Life initiative starting from February 2025. Under this initiative, the company plans to repurpose used batteries from the its electric light-duty eCanter trucks to build energy storage systems.



eCanter and EnePOND® EV Charger

*This image is for illustration purposes only

MFTBC will jointly conduct the demonstration with CONNEXX SYSTEMS Corporation (Headquarters: Seika Town, Kyoto Prefecture, President: Hisashi Tsukamoto, hereafter: "CONNEXX SYSTEMS"), a company

MITSUBISHI FUSO TRUCK & BUS CORPORATION

developing next-generation storage batteries. Used batteries from end-of-life eCanter models will be removed from the vehicles and used as power sources for “EnePOND® EV Charger (tentative name)” energy storage systems integrated with EV chargers developed by CONNEXX SYSTEMS.

*EnePOND® is a registered trademark of CONNEXX SYSTEMS Corporation.

EnePOND® EV Charger can reduce the load on the existing power grid whilst allowing for fast charging of multiple EVs simultaneously, it will also allow for EV charging during power outages. By repurposing used EV batteries, the expansion of charging infrastructure can be accelerated and costs reduced, whilst extending the lifespan of the battery.

In February 2025, an EnePOND® EV Charger will be installed at the city hall of Muko City, Kyoto Prefecture (Mayor: Mamoru Yasuda) and used to charge the city’s official EV cars. Later in the year, another EnePOND® EV Charger will be installed at MFTBC’s Kawasaki Plant (Kawasaki City, Kanagawa Prefecture) to charge vehicles including EV trucks. Through the demonstration, MFTBC and CONNEXX SYSTEMS aim to verify the practicality of EnePOND® EV Charger, establish applications for reusing used eCanter batteries, and proceed with a targeted 2026 implementation.

The Battery 2nd Life initiative is part of the Battery Lifecycle Management program within MFTBC’s FUSO eMobility Solutions package, which comprehensively supports customers in the introduction and operation of EV trucks. As batteries hold significant value in EVs and the number of used EV batteries and demand for processing them is expected to rapidly increase with the advancement of electrification, the Battery 2nd Life program and the Material Recovery initiative, announced in September 2024*¹, are two key MFTBC strategies.

Once batteries are retrieved from a used eCanter, they will be reused for other applications under the Battery 2nd Life framework. When these batteries complete their roles in other applications, the materials will be recovered for use in new products. As such, MFTBC aims to establish a circular economy of batteries in order to maximize their material value, reduce the total cost of EVs, and further accelerate the shift to EVs.

*¹ For more information about “Material Recovery”, [please see the press release](#).

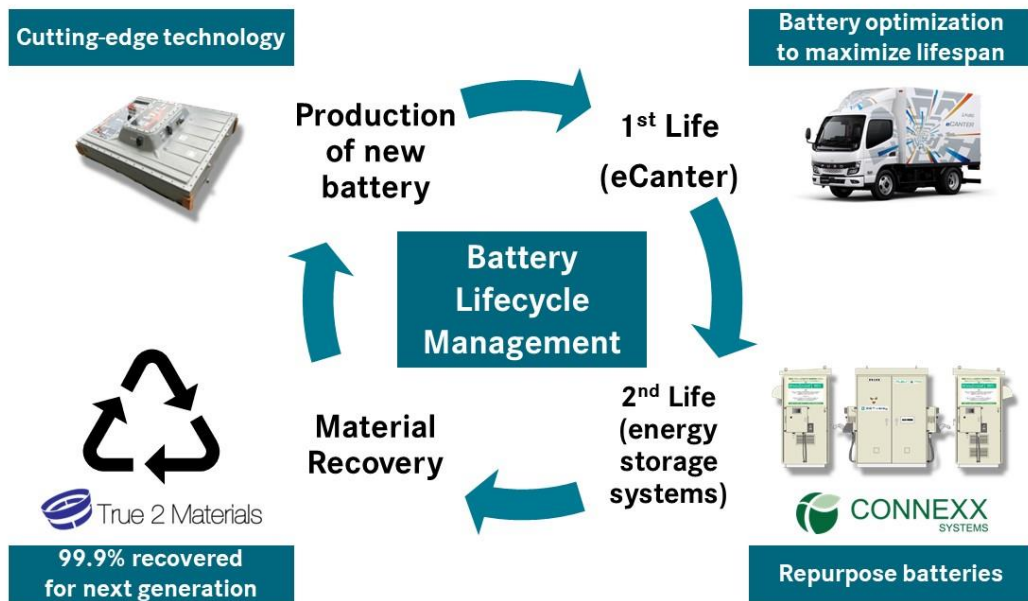


Image of Battery Lifecycle Management

Energy storage systems contribute to balancing supply and demand for electricity, by storing energy generated from renewable sources, such as solar power. Additionally, they ensure business continuity by serving as backup power during outages and help stabilize the power grid by reducing electricity usage during peak times.

CONNEXX SYSTEMS holds advanced development and production technologies for storage batteries and sells storage battery products for industrial usage. CONNEXX SYSTEMS also develops technology to integrate different kinds of materials like lithium-ion and lead to comprehensively enhance performance. In addition, the company produces an innovative battery that uses iron and air to enhance energy density to several times that of lithium-ion batteries.

MFTBC and CONNEXX SYSTEMS will explain details of the demonstration of the Battery 2nd Life initiative at the ZET-summit 2025 (hosted by the Organizing Committee of ZET-summit)*², an event focused on domestic and international decarbonization technologies, on Tuesday February 4th and Wednesday 5th, 2025, in Muko City.

*² For more information about ZET-summit, [please see the official website](#).

MFTBC will continue to develop products and services contributing to the realization of carbon neutrality by 2050.



The EnePOND® EV Charger

About EnePOND®

EnePOND® is a stationary energy storage system (ESS) that safely and affordably reuses used batteries through BIND Battery® technology. Users can keep the initial cost of ESS introduction low and, after installation, can use it with peace of mind for a long time thanks to O&M services such as remote monitoring and control, and preventive battery replacement and collection.

*BIND Battery® is a registered trademark of CONNEXX SYSTEMS Corporation.

MFTBC at a Glance

Mitsubishi Fuso Truck and Bus Corporation (MFTBC) is a commercial vehicle manufacturer based in Kawasaki City, Japan. 89.29% of its shares are owned by Daimler Truck AG and 10.71% by various Mitsubishi group companies. MFTBC provides trucks, buses and industrial engines under the FUSO brand with a longstanding history of over 90 years, serving approximately 170 markets worldwide. MFTBC proactively develops cutting-edge technologies such as electrification, with its eCanter being Japan's first mass-produced electric light-duty truck. MFTBC's heavy-duty Super Great Truck was also the first of its kind in Japan to include SAE Level 2-equivalent automated driving support technology, now a benchmark in the Japanese commercial vehicle market.

About the eCanter

The eCanter is the Japanese market's first series-produced, all-electric truck (battery EV truck) introduced by MFTBC in 2017. With zero greenhouse gas emissions, it contributes to CO₂ reduction, a major global issue. The eCanter is suited to inner-city routes as well as operations during late night and early morning hours, due to lower noise and vibration levels unique to EV trucks. The fully remodeled new eCanter launched in March 2023 caters to more diverse business needs with expanded chassis selections, body applications and cruising ranges. In addition to existing markets including Japan, 31 countries and regions in Europe and Oceania, MFTBC is expanding available overseas markets of eCanter including Asian markets such as Indonesia and Taiwan, Middle East and South America.

About "FUSO eMobility Solutions"

"FUSO eMobility Solutions" is a service portfolio offered in Japan to provide customers with comprehensive support for introducing and operating MFTBC's EV trucks as part of their fleets. It assists customers on their journey toward carbon neutrality through consulting services on various aspects of the EV trucks, charging methods, and on promoting decarbonization of customers' entire business operations.