

## Launch of an Energy Management Demonstration to Accelerate Electrification in Logistics

LOGISTEED, Ltd. (Head Office: Chuo-ku, Tokyo; Representative Director, Executive Chairman, President and CEO: Yasuo Nakatani; hereinafter “LOGISTEED”) announces that it has launched a demonstration project with REXEV Co.,Ltd. (Head Office: Chiyoda-ku, Tokyo; President and Chief Executive Officer / Co-founder: Ken Watanabe; hereinafter “REXEV”) aimed at accelerating electrification in logistics operations.

In this demonstration, LOGISTEED will introduce EV trucks into its delivery operations and conduct verifications under conditions that closely reflect actual operations. At the same time, by leveraging REXEV’s expertise and control technologies in energy management for EVs developed over many years, the project will seek to optimize electricity usage in EV truck operations and improve overall operational efficiency.

### 1. Background of the Demonstration

Logistics is an essential infrastructure that supports the economy and society, and is also considered a sector responsible for approximately 20% of domestic CO2 emissions in Japan. In particular, freight transportation that relies primarily on trucking consumes a large amount of energy, making the reduction of its environmental impact an urgent issue.

Moreover, as the “2024 issue in logistics”—where driver shortages and stricter overtime regulations for truck drivers could make it difficult to transport goods—comes to the forefront, solutions that balance higher transport efficiency with CO2 reduction are increasingly required.

### 2. Purposes of the Demonstration and Roles of Each Company

This demonstration will examine the effectiveness of a system that jointly optimizes vehicle operations and energy usage, enabling the continuous deployment of EV trucks under actual logistics operating conditions. The roles of each company are as follows.

#### LOGISTEED

Drawing on its extensive experience and expertise in transportation and delivery operations, LOGISTEED will introduce and operate EV trucks in actual logistics operations. It will verify practical operational aspects required to maintain delivery quality equivalent to that of diesel vehicles, while also identifying operational challenges.

#### REXEV

Based on its expertise in energy management that utilizes EVs as energy resources, REXEV will undertake the following initiatives:

- (1) Minimization of basic electricity charges by monitoring and controlling peak power demand
- (2) Reduction of EV charging costs through optimal charging control that links truck operation schedules with electricity market prices<sup>\*1</sup>
- (3) Verification of the feasibility and profitability of using EV truck batteries outside delivery hours to participate in the capacity market and supply–demand adjustment markets

Through these efforts, REXEV will support the achievement of both operational efficiency and cost optimization in the introduction of EV trucks.

In addition, Mitsubishi Corporation will participate in this demonstration as a collaboration partner. The three companies will jointly conduct multi-faceted analyses of energy, vehicle, and operation data to verify economic feasibility, with the aim of establishing an EV truck introduction and operation model that enables both optimal operation and cost reduction.

<sup>\*1</sup> A retail electricity plan linked to spot market prices on the Japan Electric Power Exchange (JEPX) is adopted, enabling charging to be carried out at the lowest possible cost within a range that does not interfere with operations, thereby minimizing electricity charging costs.



The EV truck used in the demonstration



Charging station

### 3. Overview of the Demonstration

Period	February 2026 to March 2027
Location	Distribution center for a retail customer in Osaka City
Facilities	(1) Fast chargers will be used to charge EV trucks, with charging controlled in coordination with the energy management system. (2) The connection between the energy management system and fast chargers will use OCPP (Open Charge Point Protocol) <sup>*2</sup> , enabling flexible equipment connectivity independent of charger manufacturers.  <small>*2 International standard communication protocol</small>
Details	(1) Energy management demonstration using OCPP-connected fast chargers Using the energy management system, the demonstration will verify charging control that takes into account operation schedules, state of charge, peak power monitoring and control during charging, and market-linked pricing plans. (2) Verification of a cost-optimized EV truck introduction model The demonstration will examine methods to maintain delivery quality equivalent to that of diesel vehicles while reducing operational costs.

Through the knowledge gained from this demonstration, LOGISTEED and REXEV aim to establish an EV truck introduction and operation model that can be practically implemented at logistics operations.

Going forward, the two companies will continue to work in collaboration with relevant partners to promote electrification and decarbonization in the logistics sector.

### 4. Overview of the Companies

**REXEV Co.,Ltd.** <https://rexev.co.jp/en/> (External Website)

REXEV is an energy technology company that develops an integrated energy platform centered on EVs, stationary batteries, and energy management systems, extending to demand–supply adjustment and virtual power plants.

Based on its unique business model, which provides vehicles, charging and discharging infrastructure, power trading support, and operational SaaS in an integrated manner, REXEV offers one-stop support from system design and implementation to operation, optimal control, and power market participation.

Leveraging strong design capabilities tailored to each customer's energy usage characteristics and industry profile, as well as advanced energy operation using data and algorithms, REXEV supports cost optimization, enhanced resilience, and the realization of decarbonized management. The company also positions the expansion of renewable energy and stabilization of power grids as key management themes, aiming to balance environmental and economic value through the social infrastructure deployment of EVs and integrated control of distributed energy resources.

**LOGISTEED, Ltd.** <https://www.logisteed.com/en/>

LOGISTEED is a comprehensive logistics company built on a global logistics network spanning Japan and overseas, with 3PL, Heavy Transport and Relocation, and Freight Forwarding as its core businesses. We take a holistic view of the entire supply chain—including procurement, manufacturing, storage, distribution, and circular logistics—to deliver optimal logistics solutions. Our strengths lie in logistics design capabilities tailored to the challenges of each industry and business model, as well as advanced operations powered by digital technologies. Through these strengths, we support our customers' business growth and enhance their competitiveness.

We also position the transition to a decarbonized, circular society as one of our key management priorities. Through our business activities, such as the use of next-generation mobility and collaborative delivery schemes, we strive to reduce environmental impact while creating new environmental value.

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