

Daihatsu Motor Co., Ltd. participated in Commercial Japan Partnership Technologies Co., Ltd. We will promote efforts toward carbon neutrality through the spread of CASE in the commercial business area.

July 19, 2022  
Commercial Japan Partnership Technologies Corporation

## CJPT to Begin Construction and Social Implementation of an Energy Management System in Fukushima and Tokyo to Promote Electrified Vehicles

Tokyo, Japan, July 19, 2022—Commercial Japan Partnership Technologies Corporation (Headquarters: Bunkyo-ku, Tokyo; President: Hiroki Nakajima; CJPT) has announced today that, in collaboration with its partners, it will begin the construction and social implementation of an energy management system in Fukushima Prefecture and Tokyo in January 2023, to promote the widespread use of electrified vehicles.

Since it was founded in April 2021, CJPT has been considering initiatives at logistics sites to contribute to achieving a carbon neutral society and reduce the burden on drivers and workers by accelerating the spread of CASE. In order to promote the widespread use of electrified vehicles, consignors, logistics businesses, infrastructure providers, automakers, and other related partners must come together to address sustainability by taking a practical approach. As a result of repeated discussions with many people in various industries, it was decided to begin social implementation projects in Fukushima and Tokyo.

The introduction of commercial electric vehicles imposes an increasing burden on society as a whole, not only in terms of vehicle purchase, but also in terms of downtime for cargo and vehicles due to recharging and hydrogen filling and an increase in peak electricity demand at business sites due to uneven recharging timing. Commercial electrified vehicles will be introduced in this social implementation project, including heavy-duty fuel cell electric trucks (heavy-duty FC electric trucks) for main line transportation and mini-commercial van electric vehicles (mini-commercial van BEVs) for last mile deliveries. In addition, energy management integrated with commercial vehicle operation management will lead to reductions in overall burden on society and CO<sub>2</sub> emissions.

Through this initiative, CJPT will increase the movement toward carbon neutrality of the whole society and, together with its partners, take on the challenges it is facing as opportunities for industrial development and the strengthening of international competitiveness.

\*This social implementation, which aims to commercialize an energy management system and operate it in the real world, is partly executed as the “Green Innovation Fund/ Building Smart Mobility Society”, a project subsidized by the New Energy and Industrial Technology Development Organization (NEDO), a national research and development agency.

## Social Implementation Overview

### I. Period/Location

- January 2023 to the end of FY 2029 (planned)
- Fukushima Prefecture, Tokyo, Tohoku-Kanto-Kansai (main line transportation)

### II. Implementation Overview

#### 1. Large-scale introduction of commercial electrified vehicles (approximately 580 units)

- Heavy-duty FC electric trucks
- Light-duty FC electric trucks
- Light-duty BEV trucks
- Mini-commercial van BEVs

#### 2. Construction of an energy management system integrated with operational management

Linking vehicle, charging/hydrogen filling infrastructure, and operational management data to realize the following:

- Reduce downtime by optimizing charging/hydrogen refueling timing and delivery plans, taking into account the remaining battery/hydrogen level of the vehicle
- Propose optimal charging amount and timing for electrified vehicles on the business sites and on route, taking into account the power consumption of buildings as well as delivery plans to equalize the overall power demand on the business sites of consignors and logistics businesses

### III. Participating partners, as of July 19, 2022 (in alphabetical order)

Fukushima Prefecture

Tokyo

Air Liquide Japan G.K.

Amazon Japan G.K.

Asahi Group Japan, Ltd.

Ban-ei Transportation Co., Ltd

COCA-COLA BOTTLERS JAPAN INC.

Daihatsu Motor Co., Ltd.

ENEOS Corporation

FamilyMart Co., Ltd.

FUKUYAMA TRANSPORTING Co., Ltd.

Hino Motors, Ltd.

Hitachi Transport System, Ltd.

Isuzu Motors Limited

Iwatani Corporation

JAPAN POST Co., Ltd.

Lawson, Inc.

NEMOTO Corporation

NIPPON EXPRESS Co., Ltd.

Onahama Packaging Materials Co., Ltd.

Sagawa Express Co., Ltd.

SATONENRYO CO., LTD.

Seino Transportation Co., Ltd.

Seven-Eleven Japan Co., Ltd.

Shioya Sangyo, Ltd.

Suzuki Motor Corporation

Tamura Kenzai Co., Ltd.

TOKYO GAS Co., Ltd.

TOMOE SHOKAI Co., Ltd.

TOYOTA MOBILITY PARTS Co., Ltd.

Toyota Motor Corporation

Yamato Densetsu Co., Ltd.

YAMATO TRANSPORT Co., Ltd.

YORK-BENIMARU CO., Ltd.

Fukushima Renewable Energy Institute, AIST