

Expansion of the Small Fuel Cell (FC) Truck Demonstration Experiment Area

**with the Operation of Japan's First Dedicated Hydrogen
Station with Combind Distribution Center**

**Seven-Eleven Japan to Begin a Demonstration Experiment in Tochigi
Prefecture to Reduce CO₂ Emissions from Deliveries**

SEVEN-ELEVEN JAPAN CO., LTD. (Head Office: Chiyoda-ku, Tokyo / President and Representative Director: Fumihiko Nagamatsu) has been conducting a small fuel cell (FC) truck demonstration experiment in Tokyo and we will now expand this experiment to some areas in Tochigi Prefecture. We will do this to line up with the start of operation in Tochigi-city, Tochigi Prefecture of the Sano Combined Distribution Center for Chilled Products and Rice-Based Products – Japan's first delivery center with hydrogen station – by Marui Transport Co., Ltd. (Head Office: Fuchu-city, Tokyo / President and Representative Director: Koichi Ito) to whom we outsource our delivery business in the northern Kanto area.

Expanding the demonstration experiment area will allow us to perform a driving test under weather and road conditions different to those in Tokyo. With this, we will aim to reduce CO₂ from future deliveries.

Seven & i Group has been working toward the realization of a rich and sustainable society together with all our customers, business partners and other stakeholders with the establishment of the GREEN CHALLENGE 2050 environmental declaration in May 2019. We are doing this to deal with various changes in the social environment (e.g., changing social needs and environmental issues). Seven-Eleven Japan has been introducing hybrid vehicles, electric vehicles and other environmentally-friendly vehicles for some of the trucks that carry products to our stores. We have been doing this as an initiative to reduce CO₂ emissions during the delivery of products. Since April 2019, we have been conducting a demonstration experiment with the small FC trucks developed by Toyota Motor Corporation (Head Office: Toyota-city, Aichi Prefecture / President and Representative Director: Akio Toyoda).

Marui Transport also expects hydrogen energy to widely take hold throughout society as part of its efforts toward the environment.

Seven & i Holdings will continue to promote the realization of a rich and sustainable society through various initiatives in the future.

Reference 1: Small FC Truck Initiative



Dimensions	Total length: 6,185 mm / Total width: 2,180 mm / Total height: 2,970 mm
Maximum output	114 kW / 155 PS
Amount of hydrogen storage	Approx. 7 kg (3)
Traveling distance	Approx. 200 km

- Features: Equipped with Toyota's MIRAI FC unit. It does not emit environmentally hazardous substances (e.g., CO₂) while being driven. The electricity generated by the FC unit is used as the source of electricity for the refrigeration unit in addition to powering the vehicle.
- Test: We have been conducting an operating test with small FC trucks in Tokyo since the spring of 2019. We are verifying and evaluating the techniques to be able to make the most use of renewable energy.

Reference 2: Overview of the Tochigi Hydrogen Station and The Sano Combined Distribution Center for Chilled Products and Rice-Based Products

- Operating company: Marui Transport Co., Ltd.
- Name: Tochigi Hydrogen Station and The Combined Distribution Sano Center for Chilled Products & Rice-Based Products Sano Center
- Address: 1213-1 Nishiarai, Odawa, Fujioka-machi, Tochigi-city, Tochigi
- Site area: 3,328 m² (Overall hydrogen station)
Approx. 39,000 m² (Overall combined distribution center for chilled products and rice-based products)
- Hydrogen supply: Liquefied hydrogen off-site supply
- Supply capacity: 300 Nm³/h for the fuel cell vehicle (Possible to fully charge five MIRAI vehicles an hour)
- Filling pressure: 82 MPa (megapascals) (Approx. 820 atmospheric pressure)
- Configuration of facilities: Liquefied hydrogen storage tank, hydrogen compressor, accumulator and dispenser, etc.



Tochigi Hydrogen Station



Dispenser



- The Sano Combined Distribution Center for Chilled Products and Rice-Based Products