

**[MIRAIT ONE Corporation]****Start of Operation of Hydrogen Fuel Cell Power Plant in Minamisoma  
City, Fukushima****Contributing to the realization of carbon neutrality of offices and stores through on-site  
power generation facilities utilizing stationary fuel cell generators**

Major telecommunications construction company MIRAIT ONE Corporation (head office: Koto-ku, Tokyo; President and Chief Executive Officer: Toshiki Nakayama; "MIRAIT ONE") has proceeded to build hydrogen fuel cell power plants installing stationary fuel cell generators by participating in the social implementation of "Use of Hydrogen for the Development of Future Cities" by Fukushima Prefecture and Toyota Motor Corporation since July 2022 for the realization of carbon neutrality. The facilities were completed on September 27, and a demonstration facility will commence operation with the aim of using stationary fuel cell generators, solar power generation and rechargeable batteries to reduce CO<sub>2</sub> from offices and stores, and implement BCP measures (utilization of power source in the event of a disaster).

MIRAIT ONE has previously created and operated solar power generation facilities nationwide with the aim of active realization of a carbon-neutral society, and implemented solutions contributing to disaster-resilient urban development. This project will perform verification of optimal power supply and demand with the aim of balancing the reduction of CO<sub>2</sub> from business sites and BCP measures by combining the installation of a stationary fuel cell generator (50kW) with solar power generation and rechargeable batteries in the Kashima sales office of TTK Co., Ltd. (Maekawara, Tsunogawara-aza, Kashima-ku, Minamisoma-shi, Fukushima), a MIRAIT ONE Group company.

In this demonstration, utilizing hydrogen enabling high-capacity and long-term storage for BCP measures will bring out the full performance of rechargeable batteries to store the maximum amount of surplus electricity generated by solar power. Furthermore, the use of hydrogen will also be promoted under normal circumstances to swiftly lower the peak load when electricity use peaks due to seasonal demand for heating and cooling through power generation using the 50KW stationary fuel cell generator with a strong capability to track power demand, and control using the hydrogen fuel cell control management system developed with this initiative. This facility will promote the reduction of CO<sub>2</sub> and the local consumption of locally produced energy through solar power and clean hydrogen by partially utilizing hydrogen produced at Fukushima Hydrogen Energy Research Field (FH2R) operated by the New Energy and Industrial Technology Development Organization (NEDO).

In future, there are plans to install EV charging facilities at this site, and efforts will be made to expand

applications for supplying electricity to EVs in disasters and using hydrogen under normal circumstances by realizing EV charging with electricity from stationary fuel cell generators.

MIRAIT ONE will contribute to the realization of carbon neutrality utilizing hydrogen in offices and stores within Fukushima by utilizing the expertise obtained through this demonstration. In addition, the Company will accumulate expertise on the installation and use of stationary fuel cell generators, and propose social implementation models combining solar power, rechargeable batteries, hydrogen and EV charging with the aim of expanding the introduction of renewable energy to contribute to the realization of a decarbonized society.

### **About MIRAIT ONE Corporation**

MIRAIT ONE Corporation was launched on July 1, 2022 through the integration of MIRAIT Holdings Corporation, MIRAIT Corporation, and MIRAIT Technologies Corporation. MIRAIT ONE has established “co-creating an exciting future through challenges and technology” as its purpose (significance of existence), and is engaged in the resolution of issues faced by customers and society and regional revitalization by promoting initiatives such as urban development and regional development, corporate DX and GX, green business and global business based on the technical capability cultivated until now in telecommunications facility construction and the civil engineering business.