

【MIRAIT ONE Corporation】

“Advanced Wireless System Verification for Improving Profitability of Offshore Aquaculture Business” Selected by the Ministry of Internal Affairs and Communications for the Regional Community DX Promotion Package Project

MIRAIT ONE Corporation (head office: Koto-ku, Tokyo; President and Chief Executive Officer: Toshiki Nakayama) is pleased to announce that its “Advanced Wireless System Verification for Improving Profitability of Offshore Aquaculture Business” has been selected for the Regional Community DX Promotion Package Project*¹ by the Ministry of Internal Affairs and Communications on April 18, 2025.

The environment surrounding the offshore aquaculture business has highlighted the delay in the introduction of efficient management systems utilizing ICT and IoT, provoking the need for technological innovation. Specifically, there is a shortage of manpower due to the harsh working environment, and the business faces the challenge of understanding water temperature changes and red tide outbreaks, which are related to fish growth and disease.

In this verification project, a Wi-Fi/sXGP base station will be installed in a fish tank, and the information obtained from the "environmental sensors" that measure water temperatures, dissolved oxygen and salinity, and from the "AI cameras" that ascertain the growth status of fish in the tank is uploaded to a cloud system for integrated management. This allows us to check the status in the fish tank in real time via a PC or smartphone at all times.

We will conduct this project in Uwajima City, Ehime Prefecture, and after a period of preparations including network design, equipment installation, and cloud implementation, a demonstration tour is scheduled for November.

Based on its extensive experience and technical capabilities cultivated through the construction of telecommunications infrastructure, MIRAIT ONE will contribute to solving issues in the offshore aquaculture business by introducing an efficient management system that utilizes ICT and IoT.

*1 Regional Community DX Promotion Package Project:

Subsidiary projects that contribute to achieving Regional Revitalization 2.0 with the use of ICT technology. To achieve Regional Revitalization 2.0, it is important to solve regional issues by taking labor-saving and regional revitalization initiatives through the implementation of digital technology (regional community DX) to form sustainable communities amid declining and aging populations,

falling birthrates, and changing economic structures. To this end, through comprehensive measures such as support for securing digital human resources/systems, verification of innovative solutions, including AI and automated driving, and advanced wireless systems, and subsidies for the development of regional communication infrastructure, the projects aim to create good examples of digital implementation and promote early practical application throughout the country.

<About MIRAIT ONE Corporation>

Founded in 1946, MIRAIT ONE is a company engaged in building and maintaining various types of social infrastructure with a history spanning approximately 80 years. Based on the wealth of experience and technical expertise we have accumulated in the construction of telecommunications infrastructure, in recent years we have been creating and maintaining society's infrastructure in the energy and transportation fields. By leveraging our technologies in communications, electricity, architecture, civil engineering and other fields, we are working on urban and regional development that connects to the future, including implementing DX in communities and businesses and promoting the use of green energy. Based on our purpose of "co-creating an exciting future through challenges and technology," we aim to create new value that enriches people's lives and realize a sustainable society.