

## The Global South Future-Oriented Co-Creation Project: Selected Companies (2nd Application)

<b>Project name</b>	Republic of the Philippines, Republic of Indonesia, Republic of Singapore, Socialist Republic of Viet Nam/Demonstration project to close the digital divide and promote economic growth by introducing Open RAN
<b>Company</b>	OREX SAI, INC.
<b>Country</b>	Republic of the Philippines, Republic of Indonesia, Republic of Singapore, Socialist Republic of Viet Nam
<b>Category</b>	Category 1 • Category 2 • Category 3

### Project Outline



**<Overview and Social Issues to be Resolved>** (Countries covered: Philippines, Indonesia, Singapore, Vietnam)

- Closing the gap in rural telecommunications infrastructure development (closing the digital divide)
- Need to expand indoor telecommunications networks in urban areas (improving quality of life)
- Development of efficient and effective mobile network telecommunications infrastructure (autonomous and automated construction and operation, etc.)

#### **<Details of demonstration>**

- **Base station deployment and technology verification:** Base station deployment with Open RAN using Commercial Off-The-Shelf hardware and technology verification in commercial networks
- **Automation verification:** Automation verification of installation and operation using SMO (Service Management and Orchestration)
- **Capacity building:** Open RAN has been deployed in ASEAN countries and accumulated know-how for building cost-competitive, high-performance networks



### Resulting benefits to Japan

- **Cost efficiency and reverse innovation:** The introduction of Open RAN can improve the cost of network installation and operation, and new business models and services will be generated through demonstration experiments.
- **Expansion of technology exports:** The introduction of 5G will increase the number of operators considering the adoption of Open RAN, which is expected to expand technology exports and strengthen global competitiveness.
- **Application to next-generation networks:** Open RAN is expected to enhance flexibility, scalability, security, and build a resilient ecosystem in next-generation networks such as 6G.