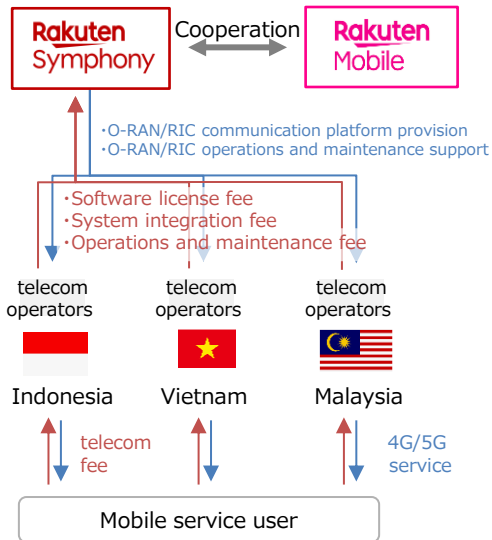


Project Name	Republic of Indonesia, Socialist Republic of Vietnam, Malaysia Demonstration Project on Radio Access Network Control Optimization Technologies Using Artificial Intelligence and Machine Learning		
Company Name	Rakuten Symphony, Inc.	Company Size	SME (Other than SME)
Category	Category 1 (Category 2) Category 3	Project Field	GX (DX) Economic Security
Total Project Expenses/Total Subsidy Expenses/ Subsidy Application Amount	8 billion yen / 8 billion yen / 4 billion yen		

Project Outline

[Project Scheme]

(Primary applicant) (Joint applicant)



Outline

In this demonstration project, we will deploy Open RAN/RIC environments across approximately 100 sites per country in Indonesia, Vietnam, and Malaysia, and evaluate control stability and operational challenges through system integration incorporating our software. We will also quantitatively evaluate network performance, power consumption, and operational costs under RIC implementation to identify the conditions to maximize deployment benefits.

Key Technologies and Methodology

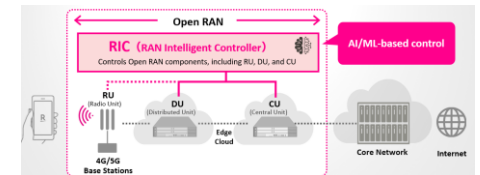
Technology: RAN Intelligent Controller (RIC)*1

Overview: AI/ML-driven optimization of base station control via RIC

Methodology: Validate effectiveness by setting KPIs such as power consumption reduction and TCO reduction rate*2 and comparing the performance of existing networks and Open RAN-based networks with RIC

Schedule

- November 2026: Detailed design of the overall validation with local telecom operators in each country
- March 2027: Pre-validation of technical feasibility, including interoperability testing
- September 2027: Procurement of hardware equipment and network deployment in real environments
- December 2028: Continuous application of RIC-based control in real environments, validation of integration stability and deployment benefits, and establishment of operational processes for commercial rollout



*1) A platform that optimizes the management and control of Open RAN through AI

*2) The percentage reduction achieved by comparing the total cost of ownership—including deployment, operation, and maintenance costs—against conventional approaches

Resulting Benefits for Japan

The benefits of this project, such as increased employment in Japan, are as follows:

- Drive overseas revenue and strengthen global competitiveness in the mobile communications industry through establishing a recurring revenue model combining licensing, operations support, and software updates
- Demonstrate the effectiveness of Japanese technologies and accelerate global expansion through reductions in power consumption and operational costs
- Develop and retain advanced digital talent and promote cross-industry technology transfer through the development of AI control algorithms, communication software, and network operation solutions
- Strengthen technological sovereignty, economic security, and the autonomy of social infrastructure