(Translation)

March 7, 2024

To Shareholders,

Company Name: Renascience Inc.
Name of Representative: Koji Naito, President & CEO
(Code: 4889 TSE Growth)
For inquiries, please contact Administration Department

Participation in the Program on Open Innovation Platform with Enterprises, Research Institute and Academia (OPERA) of Japan Science and Technology Agency (JST)

The Company is pleased to announce that the Company will participate in the Project "Creation of EICT (Electric-power and Information-Communication Technology converged network infrastructures) based on overall optimization of autonomous decentralized cooperative DC microgrids" (Chief Organization: Tohoku University) in the Program on Open Innovation Platform with Enterprises, Research Institute and Academia (OPERA) of Japan Science and Technology Agency (JST), and develop a digital twin[1] model based on medical solutions utilizing artificial intelligence (AI) to maintain and improve the quality of disaster medical care.

Project Overview

Chief Organization: Tohoku University

Research Supervisor: Taiichi Otsuji (Professor, International Research Institute of Disaster Science, Tohoku University)

Research Period: up to March 31, 2025

Total project cost (cumulative total for the entire period): 820 million yen

Participating Organization (planned):

■Universities.

Tohoku University, Kanazawa Institute of Technology, Chitose Institute of Science and Technology, Rikkyo University, Tohoku Gakuin University

■Private Enterprise:

Nippon Telegraph and Telephone Corporation, Furukawa Electric Co Ltd, Panasonic Holdings Corporation, NITTOKU Co Ltd, Beyond S Corporation, AEON MALL Co Ltd, AEON Environmental Foundation, Nippon Koei Co Ltd, Sanwa Technologies Inc, Fukuda and Partners Co Ltd, Tohoku Electric Power Engineering & Construction Co Ltd, Phytochem Products Inc, Renascience Inc

To solve issues in the medical field, the Company, in collaboration with Tohoku University and several other research and medical institutions, has been developing various medical solutions [software as a medical device (SaMD)] utilizing artificial intelligence (AI), such as SaMD for supporting maintenance hemodialysis and SaMD for supporting diabetes treatment. These medical solutions are expected to become fundamental technologies that assist local medical services not only in normal times, but also in emergency situations such in disaster areas lacking medical personnel.

In this OPERA project, research and development have been conducted to build a resilient[2] network infrastructure, including the medical field, in emergency situations such as disasters, by integrating information communication and electric power networks. The Company will develop a digital twin model to maintain and improve the quality of disaster medical care from April 1, 2024. The Company will verify the digital twin model to establish the resilient

environment in the medical field and aim to put the developed model into practical use as a basic technology for medical treatment at the time of disaster.

This matter will have no impact on our business.

Creation of EICT (Electric power and Information and Communication converged network infrastructure Technologies) based on overall optimization of autonomous decentralized cooperative DC microgrids

Program Manage: Prof. Taichi Otsuji (Tohoku University)

● Realization of the SDGs through a sustainable and resilient CPS(Cyber Physical System) that is essential for a super-smart society (Society 5.0).
● Realization of urban operating systems for smart cities and compact cities through R-EICT (Resilient Energy Information Communication Technology) networks that converge electric power and information and communication networks.
● Realization of R-EICT networks with scalability and resilience by around 2030.
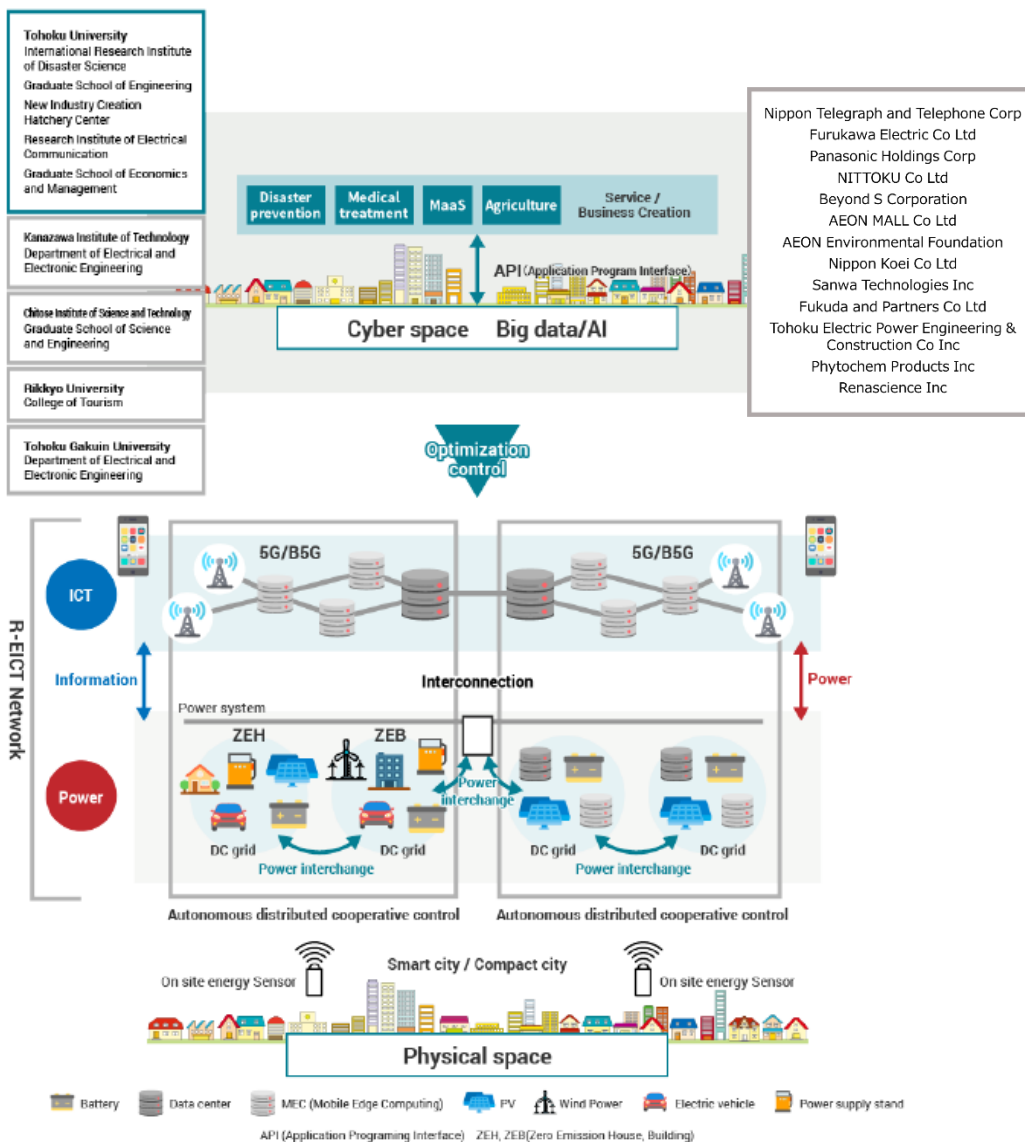
*1 Digital twin

　　To reproduce the real space in cyberspace by obtaining information in real space by utilizing devices connected to the Internet, etc.

*2 Resilient

　　To accept and bounce back stress and difficult problems and continue to grow.

End