

May 09, 2023

Sinanen Holdings Co., Ltd.

Entering a basic agreement with the Keio University Innovations for Co-creating Future Science Laboratory to enhance the value of local communities through carbon neutrality and wellbeing

- Visualization of CO<sub>2</sub> emissions and decarbonization on a per-city basis through “urban-area carbon mapping” under an industry-academia collaboration -

Sinanen Holdings Co., Ltd. (Headquarters: Minato-ku, Tokyo, President and CEO: Masaki Yamazaki, hereinafter “Sinanen Holdings”), a comprehensive energy-, housing-, and daily-life services provider, is pleased to announce that it entered a partnership agreement on May 9, 2023, to enhance the value of local communities through carbon neutrality and wellbeing initiatives with the Innovations for Co-creating Future Science Laboratory, Keio University Graduate School of System Design and Management (Location: Hiyoshi, Yokohama City, Kanagawa, Representative: Prof. Yoshiki Yamagata, hereinafter: “Co-creating Future Laboratory”) and the Greater Suwa Area Decarbonization Innovation Association (Location: Suwa City, Nagano, Chairman: Makoto Motoki, hereinafter “Greater Suwa Area Decarbonization Innovation Association”).



## ■ Joint R&D and awareness raising to support regional decarbonization

With the goal of creating a “future society based on harmony with the environment, wellbeing, and carbon neutrality,” the Co-creating Future Laboratory is engaging in joint research with the diverse stakeholders of local communities to create the innovation needed to transition to a future-oriented

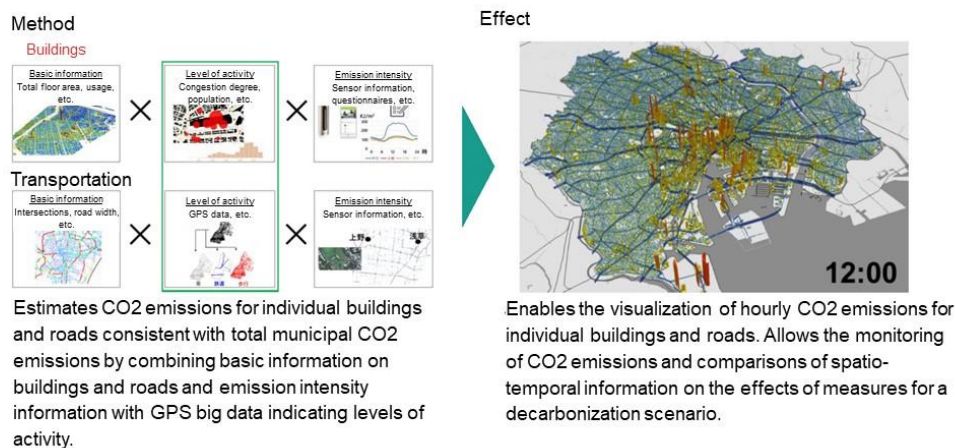
society. Specifically, it is conducting research on carbon neutrality, innovation, wellbeing, and next-generation mobility based on an urban systems design approach.

To help create a decarbonized society through collaboration on these initiatives of the Co-creating Future Laboratory together with the Greater Suwa Area Carbonization Innovation Association, which we act as secretariat for, Sinanen Holdings has entered a basic collaboration agreement to enhance the value of local communities through carbon neutrality and wellbeing.

Co-creating Future Laboratory has developed “urban-area carbon mapping,” which enables the total visualization of CO<sub>2</sub> emissions of buildings and transportation. Under this basic agreement, we plan to collaborate on the implementation of the system in the Suwa area and engage in carbon neutrality initiatives that utilize it. We also intend to conduct environmental awareness activities that leverage “seesaw,” a decarbonization support community operated by Sinanen Holdings.

## What is Urban-area Carbon Mapping?

- Enables the total visualization of CO<sub>2</sub> emissions from buildings and transportation, which contribute a large proportion of the CO<sub>2</sub> emissions originating from peoples' lifestyles and work styles.
- Calculates daily and hourly energy consumption and CO<sub>2</sub> emissions on a mesh-unit basis.
- Developed by Yamagata and Yoshida of the National Institute for Environmental Studies



As a general energy service group, Sinanen Holdings will continue to contribute to the realization of a decarbonized society and achievement of the Sustainable Development Goals (SDGs).

■ **Sinanen Holdings Co., Ltd.:** <https://sinanengroup.co.jp/en/>

Sinanen Holdings Co., Ltd. is a holding company of the energy service group founded in 1927. With the mission of the Group to contribute to realizing a comfortable life for all customers in their communities through energy and home & life services, we provide Retail/Wholesale Energy & Related Business for consumers, Energy Solution Business for corporations, and non-energy businesses such as bicycle sharing, environmental and recycling, system development, antimicrobial, building management and maintenance, and other services. We are committed to strengthening our corporate efforts toward the realization of a carbon-free society.

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