

December 1st, 2022

Nileworks Inc.

## **Applying technological expertise in agricultural drones and digital agriculture to the blue carbon business**

— Contributing to carbon neutrality by playing a part in the Blue Carbon project —

**Nileworks Inc. (Head Office: Chiyoda-ku, Tokyo; CEO: Yasuhiro Kojima; hereinafter "Nileworks") is aiming to become carbon neutral by 2050. We played a part in the Sumitomo Corporation Group's blue carbon business by applying our accumulated technical expertise in agricultural drone photography and digital agriculture from the land to the sea.**

Nileworks is working to improve its technology for photographing crops from the sky, centered on the agricultural drones it has developed in-house, and is working to acquire cultivation data and analyze images to understand growth conditions in pursuit of quality and efficiency, with the aim of creating an agricultural digital twin. Accurate monitoring of plant growth requires a series of innovations and improvements in drone and camera selection, flight instructions, and image analysis, depending on the purpose. We have applied this technological knowledge cultivated in the agricultural field to the blue carbon business with the aim of expanding our business by applying it.

The blue carbon project in the seaweed beds of a breeding trench in Hirono, Iwate Prefecture, which was recently announced by Sumitomo Corporation, is a project promoted by Sumitomo Corporation, Sumitomo Corporation Tohoku, Insight Edge, a Sumitomo Corporation Group company, and Nileworks. Nileworks was responsible for the development of the measurement plan and aerial photography of the seaweed beds where CO<sub>2</sub> fixation was taking place. Nileworks then supported the application for J-Blue Credit® certification for "Creation and Conservation of Seaweed Beds Using Breeding Trenches in Hirono, Iwate Prefecture," and Japan Blue Economy association certified a record 3,106.5 tCO<sub>2</sub>.

Nileworks will continue to be involved in applying the advanced technology it has developed in the agricultural field to the blue carbon business, aiming for a sustainable carbon-neutral world. If you are a municipality or company interested in becoming carbon neutral and blue carbon, please feel free to contact us.

■ Related information

Promoting Blue Economy Projects, a New Sink for CO<sub>2</sub>

~ Obtaining J-Blue Credit® certification for the largest amount ever in Hirono Town, Iwate Prefecture ~

Sumitomo Corporation, Sumitomo Corporation Tohoku

<https://www.sumitomocorp.com/ja/jp/news/topics/2022/group/20221130>

■ Nileworks Inc.

Established: January 2015

Address: 1-4-3, Kandanishikicho, Chiyoda-ku, Tokyo

Representative: Yasuhiro Kojima, CEO

Description of business: Design, development, manufacture, and sale of agricultural drones; R&D of growth diagnosis/cultivation technology; development and sale of agricultural cloud services

URL : <https://www.nileworks.co.jp>

**Inquiries on this matter**

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