

## Mitsubishi Chemical to Transfer and Integrate Plant Factory System Business

Mitsubishi Chemical Corporation  
Mitsubishi Chemical Agri Dream Co., Ltd.  
Mitsubishi Chemical Aqua Solutions Co., Ltd.

In the aim of strengthening its plant factory business, on April 1, 2021 Mitsubishi Chemical Corporation (MCC; Head office: Chiyoda-ku, Tokyo; President: Masayuki Waga) will transfer plant factory system business currently undertaken by MCC and its subsidiary Mitsubishi Chemical Agri Dream Co., Ltd. (MCAD; Head office: Chuo-ku, Tokyo; President: Mitsuhiro Kano) and integrate the relevant operations to Mitsubishi Chemical Aqua Solutions Co., Ltd. (MCAS; Head office: Shinagawa-ku, Tokyo; President: Hideto Yanagawa), which is also an MCC subsidiary.



NAE TERRACE™

Artificial light seedling production system



NAPPER LAND™

Hydroponics system for leafy vegetables



AN™

New artificial light hydroponics system

MCC and MCAD currently design, construct, and sell plant factory systems using hydroponic technologies including NAE TERRACE, NAPPER LAND, AN (Agriculture Next), and Plant Plant™. MCAS has built up engineering capabilities and water treatment technologies over many years in the water treatment business. Factors including climate change and decline in the agricultural workforce will drive growing needs for plant factory systems. Under these circumstances, integration of the MCC Group's plant factory system businesses within MCAS will generate synergy between the outstanding water technologies possessed by MCAS and design and construction capabilities, enabling provision of even better plant factory systems and services. This integration is also aimed at future advances in plant factory systems incorporating biotechnology and expansion into the medical care, health food, and energy fields.

The Mitsubishi Chemical Holdings Group's medium- to long-term basic management strategy, KAITEKI Vision 30, has identified food and water supply as a social issue requiring resolution and a priority business domain. The forthcoming integration of plant factory system business is part of measures to address this challenge, and the MCC Group will concentrate its resources to resolve the issue.

### About MCAD

In 1951, MCAD was the first company to start selling agricultural vinyl film in Japan, and currently boasts the top share of the domestic market for long-lasting greenhouse film. In the plant factory system business, it has an extensive sales record of plant factory systems in 125 locations in Japan and 25 in China, combining the NAE TERRACE artificial light seedling production system and the NAPPER LAND hydroponics system for leafy vegetables. Last year MCAD launched AN, a new artificial light hydroponics system.

## About MCAS

MCAS designs, manufactures, and constructs water treatment equipment including pure water production equipment using ion exchange resins and ion exchange membranes, separation and purification equipment for health food ingredients, and wastewater treatment equipment making use of membrane bioreactor. It also handles groundwater filtration systems for producing drinking water and provides services that ensure essential water supplies even when water supply lines are disrupted by disasters.

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