

PRESS RELEASE

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Launch of Plant Smart IoT Service

Chiyoda Corporation (“Chiyoda”, TSE : ISIN : JP3528600004) and Murata Manufacturing Co., Ltd. (“Murata”) are pleased to announce the launch of the Plant Smart IoT Service, which jointly provides stable and safe operation of plants via sensor networks.

1. Background :

To address the deterioration of plants and achieve labor saving, we need to visualize plant operation conditions and provide maintenance information for correct diagnosis. This makes it more important than ever before to develop networks that can monitor the entire plant site, including attached devices. Chiyoda and Murata have developed the Plant Smart IoT Service, integrating their plant engineering and sensor network technologies. The two companies will provide the necessary maintenance information to achieve safe, stable operation of the plants.

2. Service Details :

Chiyoda and Murata will jointly make optimal proposals for customers through the following services.

Chiyoda

- Overall project management for Smart IoT Service
- Interviews with and research about customers to understand the present conditions and identify opportunities to introduce networked systems
- System deployment plans
- Deployment of sensor network systems on the site, operation support and evaluation, etc.

Murata

- Conceptualization/basic design/detailed design of sensor network systems
- Construction of sensor network systems

By combining a series of sensors that have been developed for diverse applications by Murata with the knowledge of plant engineering by Chiyoda, the two companies will develop compact and energy saving wireless sensor networks, and install them in the plant site efficiently. This will make it possible to persistently monitor plant operation, a task that had been considered difficult, and to collect data on operation conditions consistently over the long term. By integrating the data collected with the latest AI technology, the two companies will also provide smartification of maintenance, such as early detection of abnormalities and status monitoring.

For more information, please contact :

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