

Demonstration of the system on cloud platform which realizes maintenance-based continuous stock management

Project Members

Consortium between METAWATER Co., Ltd., Ikeda City and Ena City

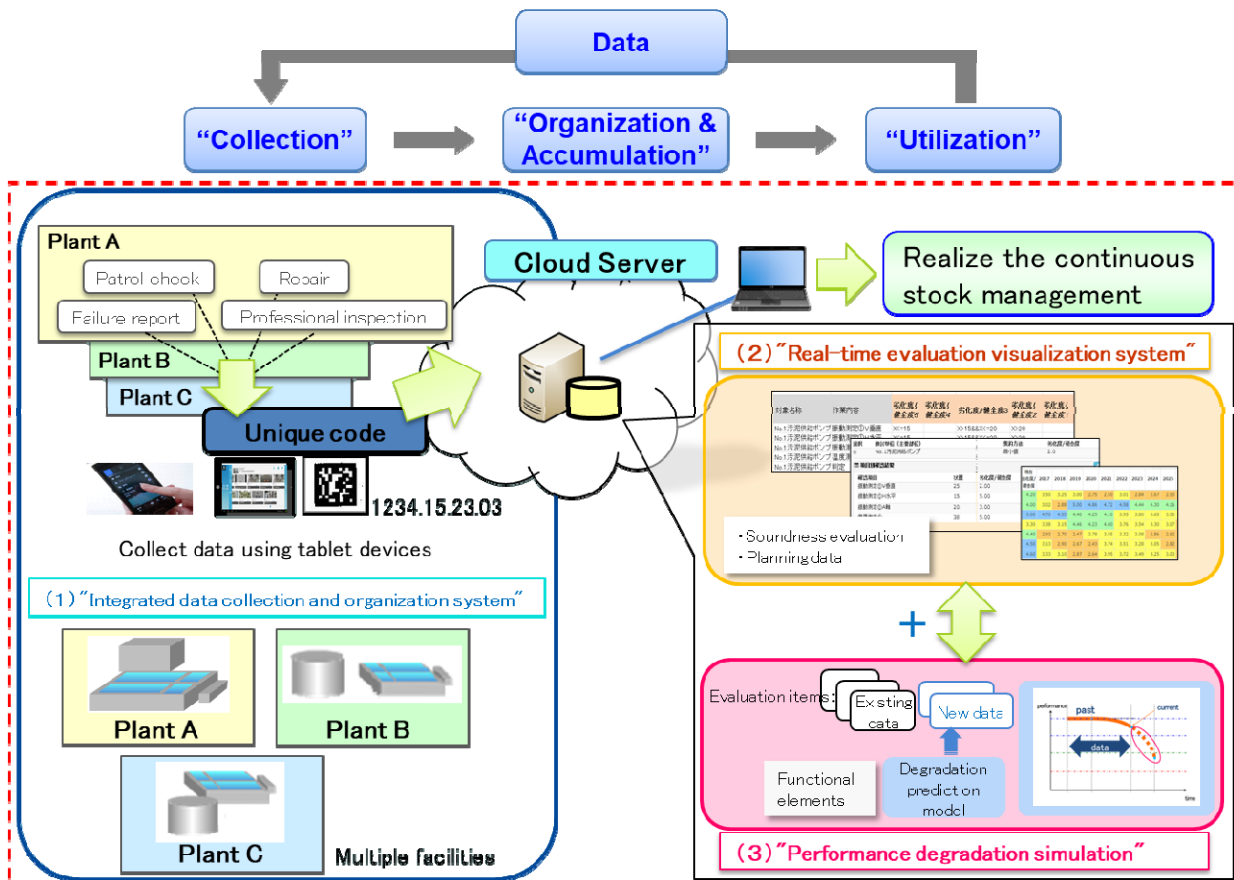
Demonstration Field

Ikeda City Wastewater Treatment Plant, Ena City Sewage Treatment Center and 5 other facilities

Demonstration Overview

Efficient and continuous stock management is realized by using ICT and cloud platforms to comprehensively collect, organize (accumulate) and utilize various sewer maintenance data.

Overview of the proposed technology



The proposed innovative technology

Three elemental technologies which compose proposed system built on the cloud.

- (1) "Integrated data collection and organization system"
Realize efficient and integrated management of collection and arrangement of maintenance data of various places and types.
- (2) "Real-time evaluation visualization system"
Continuously evaluate and visualize the soundness level using collected and organized data.
- (3) "Performance degradation simulation"
Derive the probabilistic distribution of instrument performance degradation in future, and support the optimal determination, by using data analysis

Realize efficient and continuous stock management, by utilizing information obtained in normal operations and twirling PDCA cycle.