## Demonstration of ICT-based advanced process control and remote monitoring and diagnosis technology for efficient wastewater treatment plant operation

## Project Members

Consortium between Toshiba Infrastructure Systems & Solutions Corporation, Japan Sewage Works Agency,

Fukuoka Prefecture and Fukuoka Sewerage Management Center

## **Demonstration Field**

Homangawa wastewater treatment plant in Fukuoka prefecture

## **Demonstration Overview**

The novel aeration control technology based on using  $NH_4$ -N sensor was evaluated in the demonstration wastewater treatment process to verify that the energy consumption (associated with aeration) was reduced while keeping the effluent quality to meet the pre-specified required effluent quality. In addition, it was demonstrated that maintainability of this control technology can be improved by introducing innovative remote operational support technology.

