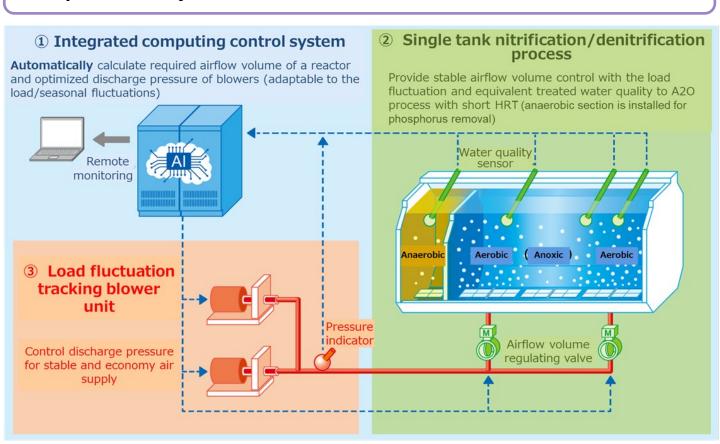
## Advanced Treatment Technology by Controlling Single Tank Nitrification Denitrification Process with ICT and Al

Implementer: The consortium of METAWATER Co., Ltd., JS and Machida city

## **Technology Overview**

- Achieve short HRT by air volume control using ICT
- Achieve facility cooperation using ICT and blower power reduction by pressure reduction
- Adaptable to seasonal inflow fluctuation by using AI and reduce operation adjustment work



## **Benefits**

- Reduction of construction costs: Optimal aerobic/anoxic zoning reduces the capacity of a reactor
- Energy saving: No agitator or circulation pump is required, less power consumption of blowers
- Reduction of the burden of O&M: Automatic operation adaptable to the seasonal inflow fluctuation, etc.