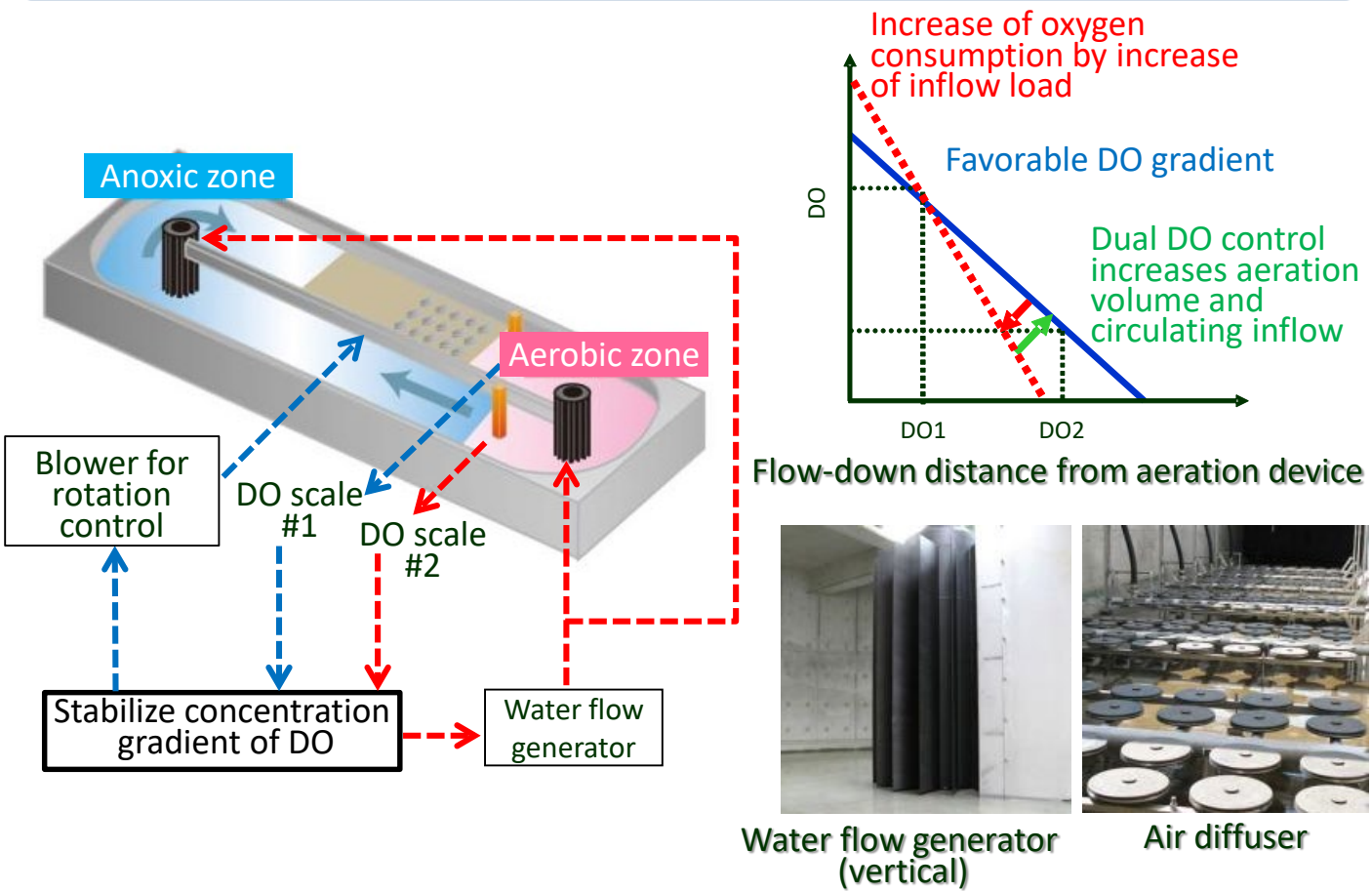


Dual DO Control System for OD Process

Developers: Kochi University, Maezawa Industries, Inc.

The automatic control system **individually controls aeration volume and circulation flow rate** to stabilize the gradient of DO concentration. This mechanism solidly creating aerobic and anoxic zones **makes treatment stable and reduces electric power consumption.**



Needs

- Accelerate energy saving at retrofit of the existing OD process
- Avoid facilities' expansion according to the increase of the inflow load

Benefits

- Generate stable quality treated effluent adaptable to nutrients removal
- Reduce power consumption by 30% against vertical OD process
- Reduce LCC by the enhanced treatment performance*

*Depending on the specific inflow conditions