**Project Implementer**
Swing Corporation and Sendai City

**Demonstration Field**
Sendai City: Hirosegawa SWTP, Miyagi-Nakayama PS, Kasuminome PS, Kunimi-1 PS

**Demonstration Overview**
It demonstrates the technology of facilities deterioration diagnosis and prediction by 24-hour monitoring data of vibration sensors and inputting daily inspection data with a tablet terminal, accumulated in a cloud server. And it develops to improve efficiency and to reduce O&M costs for facilities maintenance and renovation.

**Expected effect and innovativeness**
- Making planning works efficient
- Inspection works optimization
- 24-hour monitoring of facilities condition
- Visualization of inspection data
- Reduction costs for facilities maintenance and renovation

☆**Technology-1**
Condition monitoring by sensors

☆**Technology-2**
Inspection works optimization by tablet terminals

Efficient planning works for maintenance and renovation will be available by analyzing vibration data from sensors set on pumps and blowers, that makes early detection of facilities deterioration easier.

☆**Technology-2**
Early detection of abnormal values and prompt information sharing will be available by daily inspection data input with a tablet terminal and accumulated in a cloud server.