

Demonstration Project Using the Heat-Recycle-System inside of Sewage Pipe

Investigator

Osaka city • Sekisui chemical • Toa Grout Joint research group

Demo-field

Ebie sewage treatment plant (Osaka city)

Outline of demonstration

- ① Heat recycle functionality is added during sewage pipe rehabilitation.
- ② Recycled heat is used by heat pumps to air-condition (heat and cool) buildings and to heat water.
- ③ Joint research group verified cost reduction effect, energy saving effect and CO2 emission reduction effect by heat recycle system.

Example sewage heat recycle system (air-conditioning use)

