

Remote Care System

Kanadevia already offers a remote monitoring and operations support system that connects to A.I/TEC^{*1}, or our Remote Monitoring Operation Support Center (ROC). However, we have also developed a Remote Care System that enables remote monitoring and operations support for incinerators in Japan and overseas that are not connected to the ROC. This system allows operators to adjust the operation of the Automatic Combustion Control System (ACC),^{*2} monitor furnace operation, and recalibrate various automatic control systems remotely. The Remote Care System has already been deployed at two incineration facilities overseas.



Example of system installation

Key Words

Remote monitoring, Waste incineration, Operational support, Data analysis, Diagnosis support

Background/Goals

Kanadevia provides a remote monitoring and operations support system that connects to the ROC, but facilities in Japan and overseas that are not connected to the ROC need a remote monitoring system that can connect relatively simply and requires lower introduction costs. Our Remote Care System features remote monitoring as standard equipment, and also offers strengthened functions such as data analysis and diagnosis support.

Characteristics/Effects

- Keeps initial costs low, and allows remote connection and disconnection to be performed easily, making implementation simple.
- Ensures the necessary security, and allows remote access as well as data collection and storage.
- Enables cause analysis using accumulated data when a problem occurs.
- Adopts EVOLIoT^{*3} which allows the collection, storage, and visualization of various via DCS.^{*4}
- Sends alert notifications via email when plant equipment troubles occur.
- Automatically creates and distributes monthly reports.

Real-world usage

- Used as a tool for checking operational information when a problem arises, as well as analysis and determining causes.
- Used as a calculation tool for checking the status of continuous operation tests, determining whether operating conditions are met, and that power generation efficiency is above the contracted value.
- Used for monitoring and checking DCS screens and ITV camera images.

In closing

Kanadevia continues to improve and refine our Remote Care System to make it even better.

^{*1}. A.I/TEC

Kanadevia Advanced Information Technology Center

^{*2}. ACC

Regulates automatic combustion control in waste incineration facilities.

^{*3}. EVOLIoT

Kanadevia DX-promoted IoT secure platform. Enables data collection, storage, visualization, analysis, and threshold/product alert notifications.

^{*4}. DCS

Short for Distributed Control System. Monitors and regulates the plant overall for waste incineration facilities.

