



Daikin's remote monitoring and control

for chiller plants and air handling units



Future-oriented technology to improve the efficiency and reliability of your HVAC plant

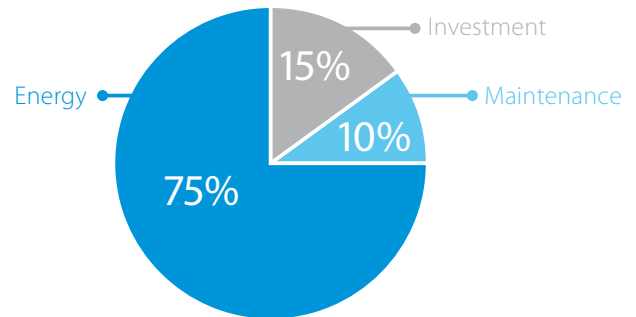
Why

having Daikin's remote monitoring?

Operating costs like energy and maintenance typically account for 85% of the system's total lifetime cost. Undiscovered energy waste and incorrect operation will increase costs and can even lead to unscheduled interruptions.

Using Daikin's remote monitoring results in optimum use and costs over the system's entire lifetime:

- › Enhanced control and measuring
- › Monitors the system
- › Reduces risks at the earliest possible moment
- › Keeps the system running as it was intended to



Typical Life cycle Cost of a chiller (15 years)

What

is Daikin's remote monitoring?

A solution for customer specific needs

Daikin's remote cloud server collects operational data from the control system of a Daikin chiller or air handling unit plant.

Daikin's Smartcentre then turns this data into useful information on a web user interface.

Daikin's remote monitoring has predefined user roles like:

- › operator
- › service provider
- › Daikin specialists

The features of Daikin's remote monitoring are designed to:

- › Increase uptime, reduce unscheduled interruptions
- › Optimise efficiency and reduce energy waste
- › Increase lifetime and avoid wear by misuse
- › Give insight into the optimum use of equipment, including advice from a Daikin expert

We will combine Daikin's remote monitoring with the complementary service programme best suited to your needs.



The remote monitoring of Daikin products

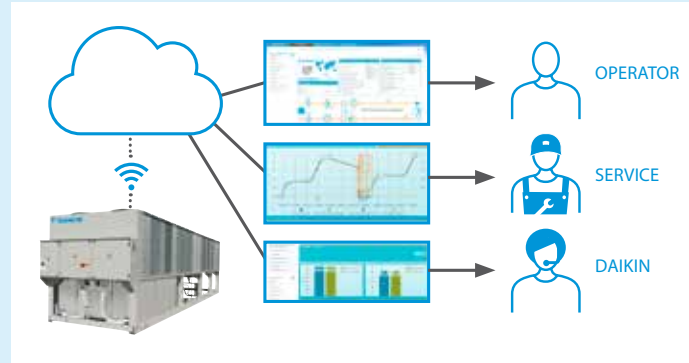
1 Insight wherever and whenever required, full visibility and traceability of the HVAC installation.

- › Real-time information and trend insights
- › No local software required
- › Personal access to the web-based user interface
- › Reports

2 With Daikin's remote monitoring, we team up operators and specialists.

- › User-friendly operator information
- › State-of-the art tool providing best-in-class service
- › Remote solutions when possible, avoiding onsite interventions

3 Converting all expertise to maintain highest energy efficiency and uptime.



ACTION TAKEN



You can hand it to us

Alerts & web application

- › 24/7 year-round alarm and event monitoring
- › Automated alarm system
- › Receive service updates or notifications via email
- › Access to Daikin's remote web application

Active monitoring

- › Remote alarm analysis and diagnostics provided by Daikin Experts
- › Fast and reliable remote service

Connected Service Plan

- › Remote alarm analysis and diagnostics provided by Daikin Experts
- › Fast and reliable remote service
- › All initiatives are combined with the most suitable Daikin Service Plan

CLOUD DATA WAREHOUSE



Encrypted data transfer

SMARTCENTRE
Turns data into actions



Main features



Cloud technology to hand

Complex plants have to satisfy contradictory requirements. They need to be accessible 24/7 but commissioning and maintenance costs must be kept to a minimum. Daikin's remote monitoring is a web-based remote monitoring and service system which uses the benefits of cloud technology. Remote maintenance allows your system to be accessed any time, anywhere. All important process data are collected constantly and automatically stored centrally. This gives you a decisive lead in know-how, ideal for building a sustainable business.



Always up-to-date and in control

Daikin's remote monitoring uses standard web browsers, so it's suitable for any web-compatible devices and it operates in real time. Users log in to the portal to access plant information without any need for special cables or extra software.



Insight into operational data for enhanced control and reliability

Daikin's remote monitoring enhances control and maintenance programmes. Diagnostics, system upgrades and settings optimisation are carried out remotely where possible. If a visit is required, the service engineer will arrive already prepared, boosting your efficiency.



Simple, effective connection

Most Daikin chiller and AHU controllers have a built-in IP interface. The system uses this to connect to Daikin's remote monitoring, minimising connection costs and effort. We also have wireless modem communication to avoid interference with your IT infrastructure and LAN costs.



High security

You can trust Daikin's remote monitoring to be secure in all aspects such as data privacy, data storage security and data transport.

- › All connections are encrypted (HTTPS) to prevent wiretapping and man-in-the-middle attacks
- › CSA security attestation
- › Data privacy conforming to EU data privacy Chapter 5
- › Geo-redundant data storage in Northern Europe



Operational data insights deliver long-term savings

The Daikin remote monitoring system's major benefit is that your system's data and process data are collected and stored centrally during the system's lifecycle. The data are available whenever needed to make evaluations and to provide valuable information about the system's operating state, reliability and efficiency.

Daikin's remote monitoring is the ideal tool for optimising maintenance and operating costs long term, and for giving you a documented view of your system's capacity requirements.

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