DAIKIN

DAIKIN APPLIED SERVICE
Technically better...

Daikin Applied Service

Remote monitoring and control

for Chiller plants and Air Handling Units

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

AHUs
CHILLERS
PROJECTS
SERVICE

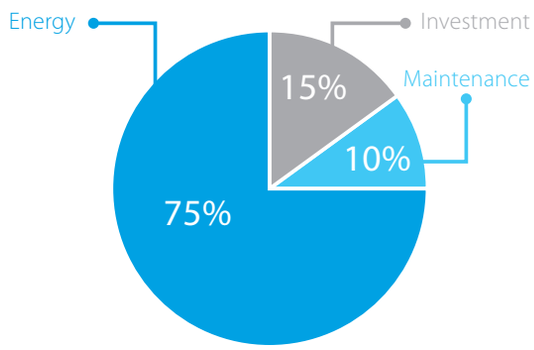
Why

Daikin Applied'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 Applied'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 on Site?

A solution for customer specific needs

Daikin on Site (DOS) remote cloud server collects operational data from the control system of a Daikin Applied Chiller or Air Handling Unit plant.

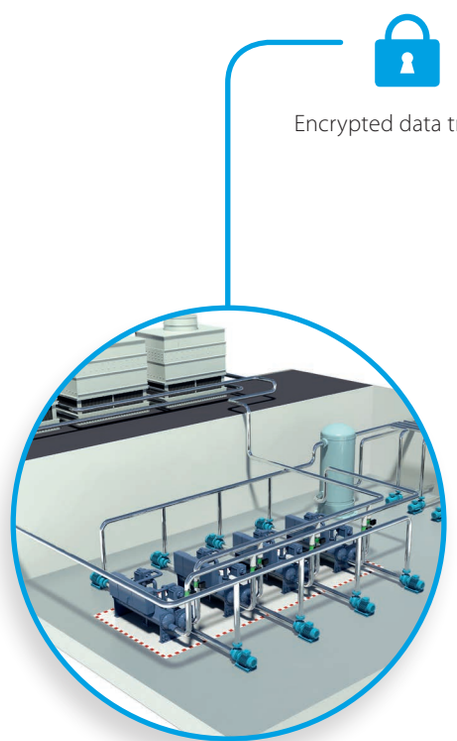
Daikin's Smart Centre then turns this data into useful information on a web user interface.

Daikin Applied's remote monitoring has predefined user roles like:
› **Operator**
› **Service provider**
› **Daikin specialists**

Features

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

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



Remote monitoring of Daikin Applied products

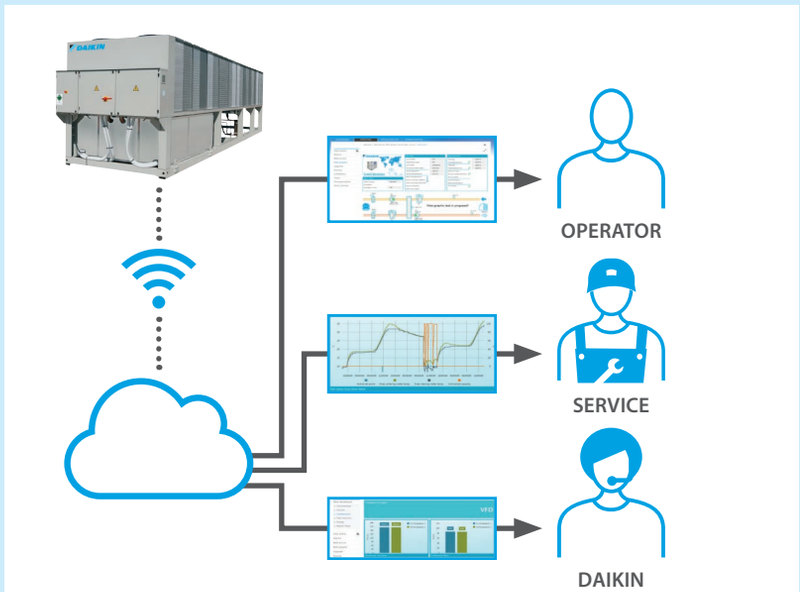
1 **Insight wherever and whenever required, full visibility and traceability of the HVAC installation.**

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

2 **With Daikin Applied'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.**



Alerts & web application

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

Active monitoring

› Remote alarm analysis and diagnostics provided by Daikin Applied experts
› Fast and reliable remote service

Connected Service Plan

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

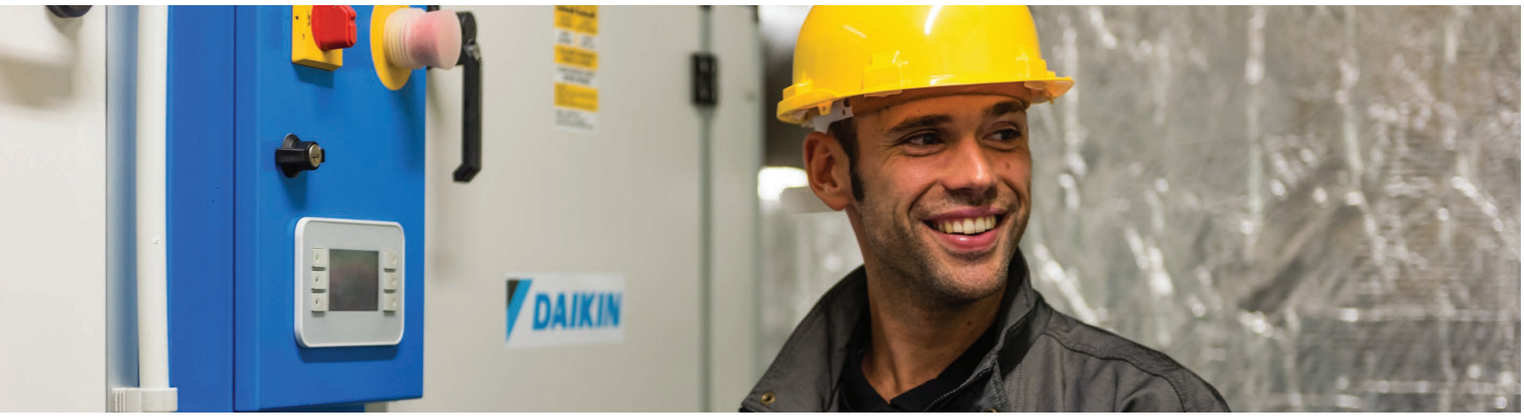
ACTION TAKEN

You can hand it to us

SMART CENTRE
Turns data into actions

CLOUD DATA WAREHOUSE

Encrypted data transfer



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 Applied'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 Applied'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 Applied'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.

Available as part of the Daikin Applied Service Business Plus package

Daikin Applied Service can adopt DoS as part of their condition based maintenance packages, offering tailored monitoring programs within the Business Plus package, refer to our service brochure for more information.

Simple, effective connection

Most Daikin Applied Chiller and AHU controllers have a built-in IP interface. The system uses this to connect to Daikin Applied'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 Applied'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 major benefit of Daikin Applied's remote monitoring is that your system's data and process data are collected and stored centrally during the system's life-cycle. The data is available whenever needed to make evaluations and to provide valuable information about the system's operating state, reliability and efficiency.

Daikin Applied'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.

For more information email **info@daikinappliedservice.uk** or visit **www.daikinappliedservice.uk**

For all Daikin Applied Service, Daikin Applied UK & Spares enquiries call us on:

0345 565 2700

Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU), Fan coil units (FCU) and variable refrigerant flow systems (VRF) Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com