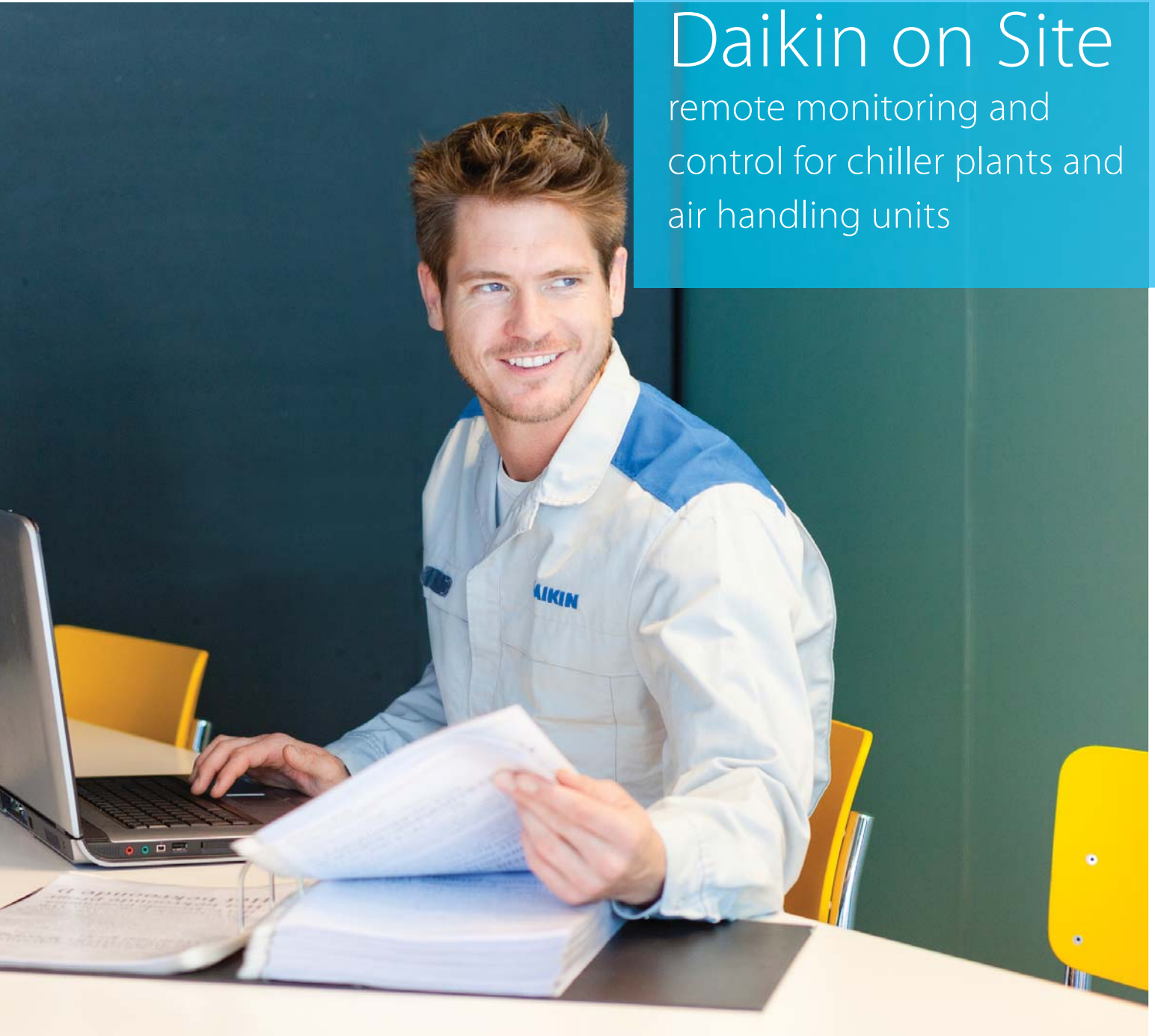




Daikin on Site

remote monitoring and control for chiller plants and air handling units



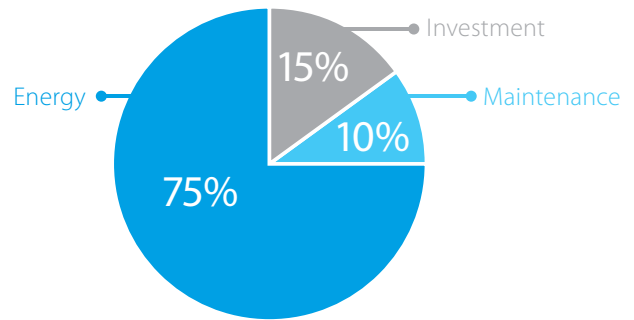
Future-oriented technology to improve the efficiency and reliability of your HVAC plant

Why Daikin on Site?

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 on Site monitoring results in optimum use and costs over the system's entire lifetime:

- › Remote monitoring of HVAC equipment
- › Enhanced control and measuring
- › Risk intervention at earliest possible moment
- › Maintain system operation as design intended



Typical Life cycle Cost of a chiller (15 years)

What is Daikin on Site?

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 converts collected data into useful information on a web user interface.

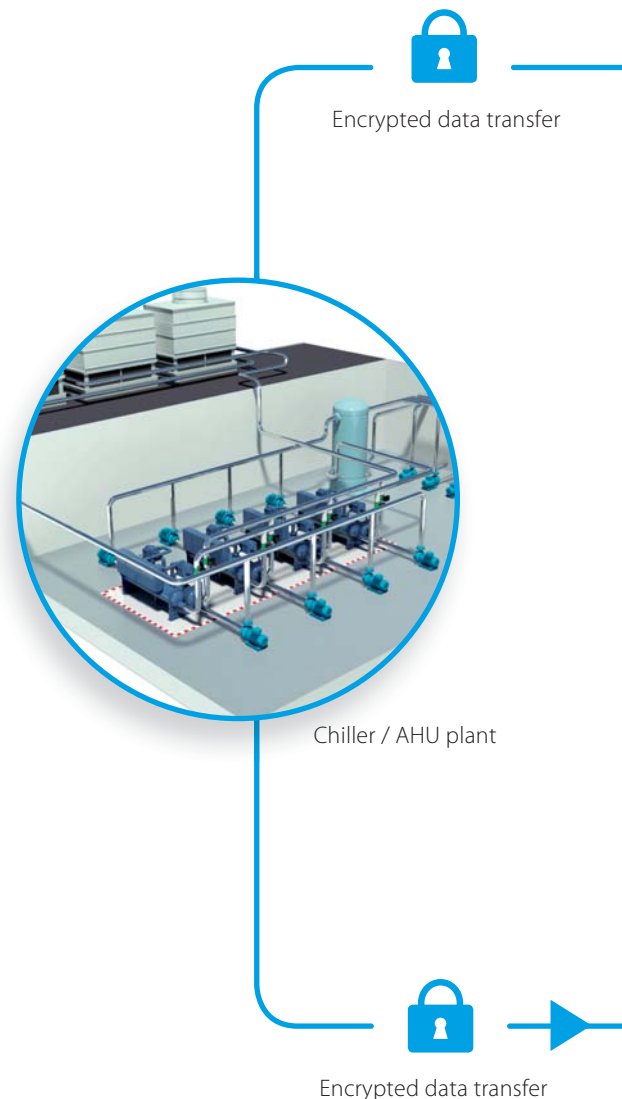
Daikin on Site remote monitoring has predefined user roles like:

- › End User / Operator
- › Installer / Service Provider
- › Daikin UK

The Daikin on Site platform's features are designed to:

- › Increase uptime, reduce unscheduled interruptions
- › Optimise efficiency and reduce energy waste
- › Increase lifetime and avoid wear by misuse
- › Allows for optimisation of equipment

Daikin on Site remote monitoring can be combined with a service and maintenance program to suit your needs.



How does Daikin on Site deliver?

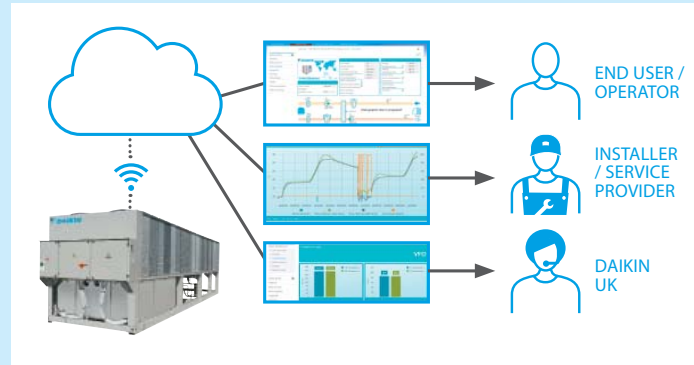
1 Full visibility and traceability of the HVAC installation

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

2 Daikin on Site, bringing support teams together.

- › User-friendly customised dashboards
- › State-of-the art cloud-based monitoring
- › Remote solution can avoid onsite interventions

3 Evaluating data to maintain highest energy efficiency and uptime.



ACTION
TAKEN



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



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

SMARTCENTRE
Converts data



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 on Site 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 on Site 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 on Site remote monitoring enhances control and maintenance programmes. Diagnostics, system upgrades and settings optimisation are carried out remotely. If a visit is required, the service engineer will arrive pre-informed.



Simple, effective connection

Most Daikin chiller and AHU controllers have a built-in IP interface. The system uses this to connect to Daikin on Site, 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 on Site 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

Daikin on Site 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 is available whenever needed to make evaluations and to provide valuable information about the system's operating state, reliability and efficiency.

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

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