










Main features

-  REAL-TIME DATA
-  REAL-TIME NOTIFICATIONS / ALARMS
-  TROUBLESHOOTING
-  LOGS & REPORTS
-  STATISTICS
-  REAL-TIME PARAMETER CHANGE
-  SOFTWARE UPDATES
-  UNITS DOCUMENTATION
-  SERVICE TICKETS



For contacts and information, please visit

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Constant
monitoring
and remote
interaction



What is Onboard Touch?

Onboard Touch is a web-based solution that enables users to **monitor chiller operations and diagnose any problems** as soon as they arise. The user interface can be displayed on the **browser**, eliminating the need for additional software. It can run both on PCs and mobile devices, such as tablets and smartphones.

Onboard Touch operates through a **three-node connection: the chiller, the monitoring server, the web portal**.

The hardware of Onboard Touch features a GSM/UMTS gateway installed on the chiller. For plants with multiple chillers, only one gateway is required, with a three-wire communication link connecting it to the other chillers. If mobile connectivity issues arise, an Ethernet cable can be used to connect to the customer's LAN.

What data are collected?

The server constantly communicates with the gateway, storing all recorded data: these data are uploaded to the web portal, which can be accessed remotely through a secure, reserved area.

The gateway records and sends two types of data to the monitoring server: data about the unit operation and data concerning faults, alarms and any changes to setup parameters.

OPERATION DATA

This includes information on temperature, pressure, loads, cooling capacity, and much more. The data are stored on the server and are periodically analyzed to evaluate unit performance. This is also invaluable for troubleshooting, as it allows identification of the unit's exact operating conditions at the time of the issue.

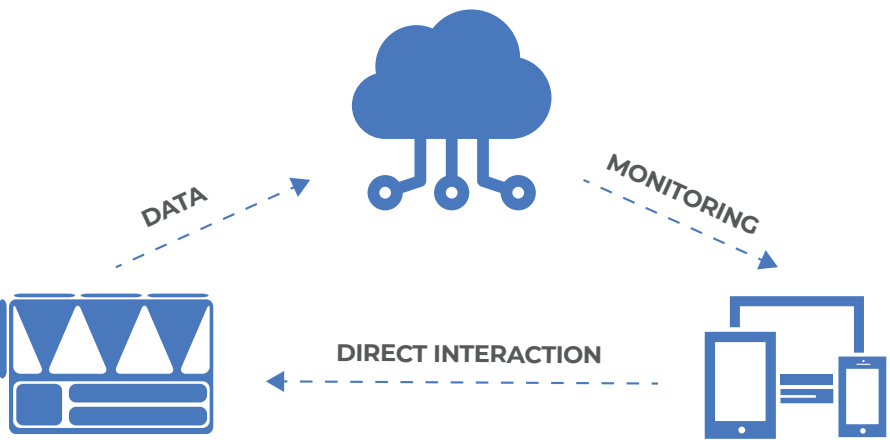
FAULTS, ALARMS AND EVENTS

This includes information about faults or malfunctions, alarms triggered by the unit and all the events recorded by the gateway, such as changes to setup parameters. In these cases, the server not only stores the data, but also sends notification via email or SMS to Geoclimate and, if agreed, to the client or end user.

Remote interaction

Through the web portal, users can not only view all data related to a specific plant but also **interact directly with the unit**, such as by adjusting certain parameters. The data accessible and actions available depend on the user's access level.

This system allows continuous monitoring of chiller performance and, when possible, enables **remote troubleshooting**, reducing the need for an engineer to visit the installation site.



How does it work?

When the unit experiences an **unforeseen alarm condition**, the alarm is recorded by the server and promptly notified via email or SMS to the Geoclimate Aftersales office. Geoclimate then establishes a **live remote connection** through the web platform. If the issue can be resolved by adjusting setup parameters, the necessary changes are made remotely and recorded in the server. This approach often eliminates the need for an engineer to visit the installation site, offering significant benefits: **quicker resolution** of the issue improves plant performance, while **reduced service costs** benefit both the end user and Geoclimate.