Temperature Monitoring

The Complete Solution for Server and Plant Rooms

Abacus Guardian provides
- Access from Anywhere
- SMS Text & Email Alarms
- Quality Audit Trail
- Product Assurance

Automated, Real-Time Temperature Monitoring & Alerts.

www.abacusguardian.com
The Benefits of Abacus Guardian

As the world becomes more and more reliant on IT services, the role of the server room becomes more and more critical. Such rooms tend to be reliant on chillers, and air conditioners, to maintain a stable temperature. As demand for data increases additional equipment is often installed, all of which generates more heat, putting the cooling plant under increased strain.

A chiller failure can lead to thermal runaway; this can have disastrous consequences. Another risk factor to consider is the relatively high volume of water condensate which accumulates in the chillers. A condensate pump failure or drain leaks are surprisingly common and can spell disaster for the equipment and be highly dangerous.

The Guardian server room monitoring solution incorporates the option for temperature, humidity and water leak detection. Detailed, auditable temperature records are a basic requirement of quality control. Effective alarm functions provide alerts and peace of mind.

The Abacus Guardian system

- No PC software is required; access to the data is via a web-browser from any device in any location with internet connectivity
- Wireless temperature sensors eliminate the need for plant-room wiring.
- Data is uploaded via Ethernet or 3G mobile
- Email and text alarms sent to one, or multiple, recipients
- Sensors and users can be grouped into logical, or geographical, clusters
- Secure data storage with access to real time and historical data
- 24/7 monitoring with recording every five minutes
- Fully auditable records help you plan routine servicing & check its effectiveness.

How It Works

The system uses two main modules:

- Wireless sensors (battery life approximately 18 months, replaceable)
- Base station (Mains powered)

The sensors are located in the areas to be monitored and transmit data to the base station, which relays the data back to our dedicated server via Ethernet or 3G mobile.

Our dedicated server correlates the data and provides our customers with a website to manage and view their records and alarms.

Example Sectors

- Media Publishing Facilities
- Housing Management
- Local Government
- Entertainment Centres
- Data Centres
- Remote Server Installations
- Radio Repeater Stations
Simple to navigate

Once the data has been received it is then checked against alarm parameters defined by the customer. If the values fall outside the defined parameters then the system will send a user-defined combination of email or SMS text message alarms.

The data is also stored and can be accessed using any web browser protected by a unique username and password. The data can be displayed as live or historical data.

You do not require any special software, or a dedicated PC, to view your data.

Detailed Charts

View your historical records, for a chosen timeframe, at the click of a button

Call us today to find out more - 01582 528 082

or email us at - sales@abacusguardian.com

Temperature monitoring, data logging & alarm systems

June 2017