Temperature Monitoring

The Complete Solution for
Chilled & Frozen Food / Product Storage

Automated, Real-Time Temperature Monitoring & Alerts.

Abacus Guardian⁺ provides

- ✓ Web Access from Anywhere
- ✓ SMS Text & Email Alarms
- ✓ Quality Audit Trail
- ✓ Product Assurance

www.abacusguardian.com

ABACUS GUARDIAN

Temperature monitoring, data logging & alarm systems

The Benefits of Abacus Guardian+

The food industry continues to demand the highest standards of temperature controlled storage for an ever widening range of products.

HACCP and BRC apply rigorous standards to the manufacture and storage cold chain ensuring food safety and freshness.

Detailed, auditable temperature records are a basic requirement of quality control. Effective alarm functions provide stock security and peace of mind.

The Abacus Guardian+ System is currently providing these services to many of the UK's leading food manufacturers and bulk storage facilities.

Industry Sectors

- ✓ Meat / Seafood Processing
- ✓ Fruit Storage / Ripening
- ✓ Flowers / other perishables
- ✓ Distribution Warehousing
- ✓ Ready Meal Storage & Distribution
- ✓ Display Cabinets
- ✓ Serve-Over Counters
- ✓ Delivery Vehicles

The Abacus Guardian+ system

- No PC software is required; access to the data is via web-browser from any device with internet connectivity
- Wireless sensors eliminate the need for complicated wiring
- Data uploaded via mobile network - no connection to your network (Ethernet optional)
- Email and text alarms sent to one, or more, 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 points every five minutes
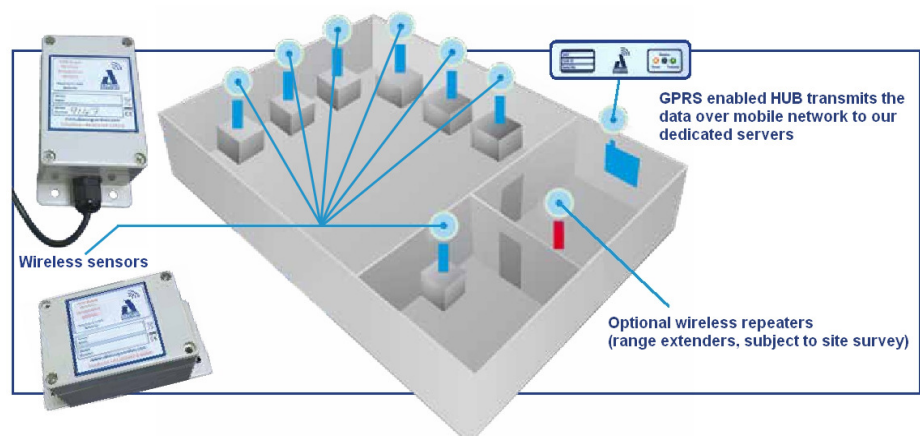- FSA compliant auditable records

How It Works

The system uses two main modules:

- Wireless sensors (battery life >2 years with optional low-battery alarms)
- Base station (Mains powered with optional battery backup supply)

Sensors are installed in the areas to be monitored and they transmit data to the base station.

The base station sends the data back to our servers. The information is presented to customers, via a website, to manage and view their records and alarms.

PDF and CSV downloads are optionally available.

Wireless sensors

GPRS enabled HUB transmits the data over mobile network to our dedicated servers

Optional wireless repeaters (range extenders, subject to site survey)

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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 and/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.
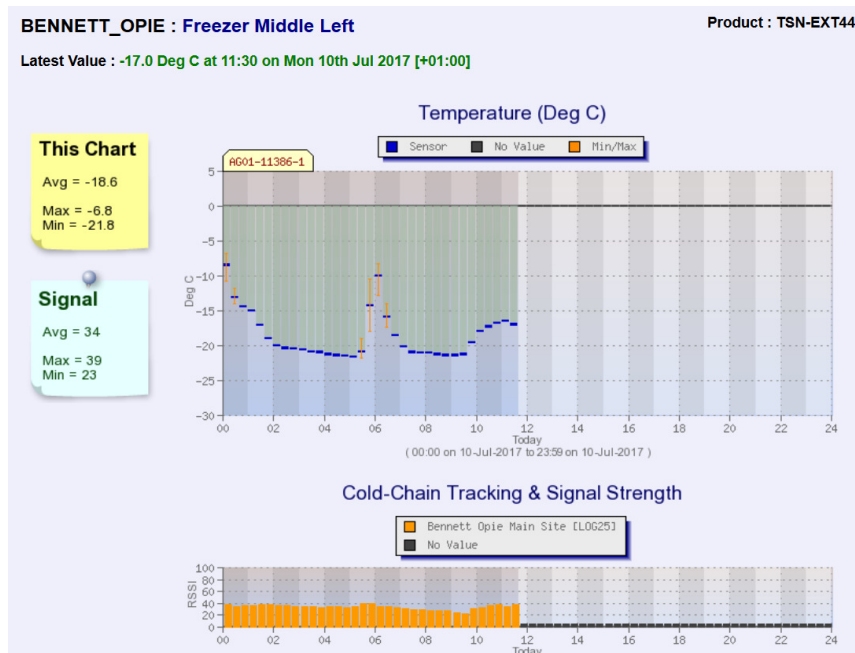

Detailed Charts

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

Cold-Chain Tracking
Optionally, the system allows you to track your products from manufacture to storage by showing you which base station sent each reading from the sensors.

Other measurement types
There are Abacus Guardian+ sensors to monitor many different signal types.

Call us today to find out more - 07366 097 097

or email us at - **sales@abacusguardian.com**

Our Products and Services are made in Britain

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