Wireless Environmental Monitoring Solutions

Continuous monitoring with industry leading accuracy, reliability and radio range

Wireless Environmental Monitoring Solutions

Ellab's wireless environmental monitoring solutions provide highly accurate and reliable readings, while also providing the strongest signal coverage of any wireless system on the market today.

Our reputable wireless system is established globally within multiple industries including pharmaceutical, healthcare, food and industrial sectors. It can monitor a broad selection of applications such as fridges, freezers, chambers, incubators, labs, blood banks, manufacturing and research facilities, warehouse and storage by using the extended range of parameters.

Every customer's requirements are different, that's why we listen, ask questions and then offer our advice on the system that is right for your needs. We complete a Site Radio Survey of your sites; we commission your environmental monitoring systems and we offer you post-sales support for our products when you need it.

Features

- A wide range of measurement options
- LCD display for a variety of transmitters and sensors
- Reliable, accurate and durable hardware suitable for long-term environmental monitoring
- Leading narrow band RF technology with transmission range up to 3,000 meters
- Long-life batteries that are user changeable
- 24/7 monitoring
- Automated alarms with various notification options
- Backup memory in transmitters and receivers
- Automated reporting
- FDA 21 CFR Part 11 compliant web-enabled EMS software

Accurate & reliable
Quality assured hardware that is durable and easily maintained.

Secure
Permission controls, data owned by customer.

Fully supported
Service contract options available including hosted server option.

Assists with national and international regulatory compliance requirements
FDA 21 CFR Part 11, GxP Guidelines, HACCP, EU GMP Annex 11 and ISO 22000 food standards.

Configurable to each user requirement
Customized alarm notifications, data display, sensor & multi-site grouping.

Intuitive & audit ready
Audit trails, scheduled reports, clear design for ease of use.

Validated software
When required, we provide comprehensive IQ and OQ protocols and custom protocols for the Pharmaceutical sector. Trained engineers and distributors are available for smooth validation protocol execution.

Hanwell Pro and IceSpy
Wireless Solutions

Temperature

Differential Pressure

Humidity

Air Flow

CO₂

Light & UV

Flood

Leak

Hanwell Pro Solution

Pro is our superior wireless environmental monitoring system, that features high accuracy sensors, LCD display and unrivalled radio strength, which allows the system to overcome the most complex challenges.

Hanwell Pro wireless solutions provide advanced capabilities through an independent system capable of data analysis and reporting, which can be used to map and verify extensive ranges of temperature, relative humidity, light (LUX), UV, air flow, transport, damp, leak, wood, utilities and many more.

Hanwell IceSpy Solution

IceSpy is our premium, reliable and cost effective wireless temperature monitoring system with highly competitive accuracy, cold-chain solutions and radio strength that overcomes most typical applications. For customers requiring validation systems, Hanwell IceSpy can also be fully validated to meet pharmaceutical, healthcare and food compliance requirements.

Wireless technology you can trust

Nothing on the market can match the comprehensive technology that is available through the Hanwell Pro and IceSpy ranges.

The Hanwell Pro and IceSpy wireless monitoring systems embody decades of engineering expertise to ensure the best possible performance and guaranteed reliability. Combined with our unrivalled ability to plan, commission and execute robust systems and you have yourself a reliable partner.

Hanwell Pro

Hanwell IceSpy

As your business needs grow
- simply add more sensors

Radio

Hanwell IceSpy Transmitters

Network Receiver

1. ARB
2. Autodialler
3. Alarm Beacons
4. SMS Module

Network

Local User

Radio

Hanwell Pro Transmitters

SR2

Local User

Option 1   or   Option 2

Hosted Cloud EMS Server

Local EMS Network Server

Radio

Hanwell Pro Remote Transmitters

CR3

GSM
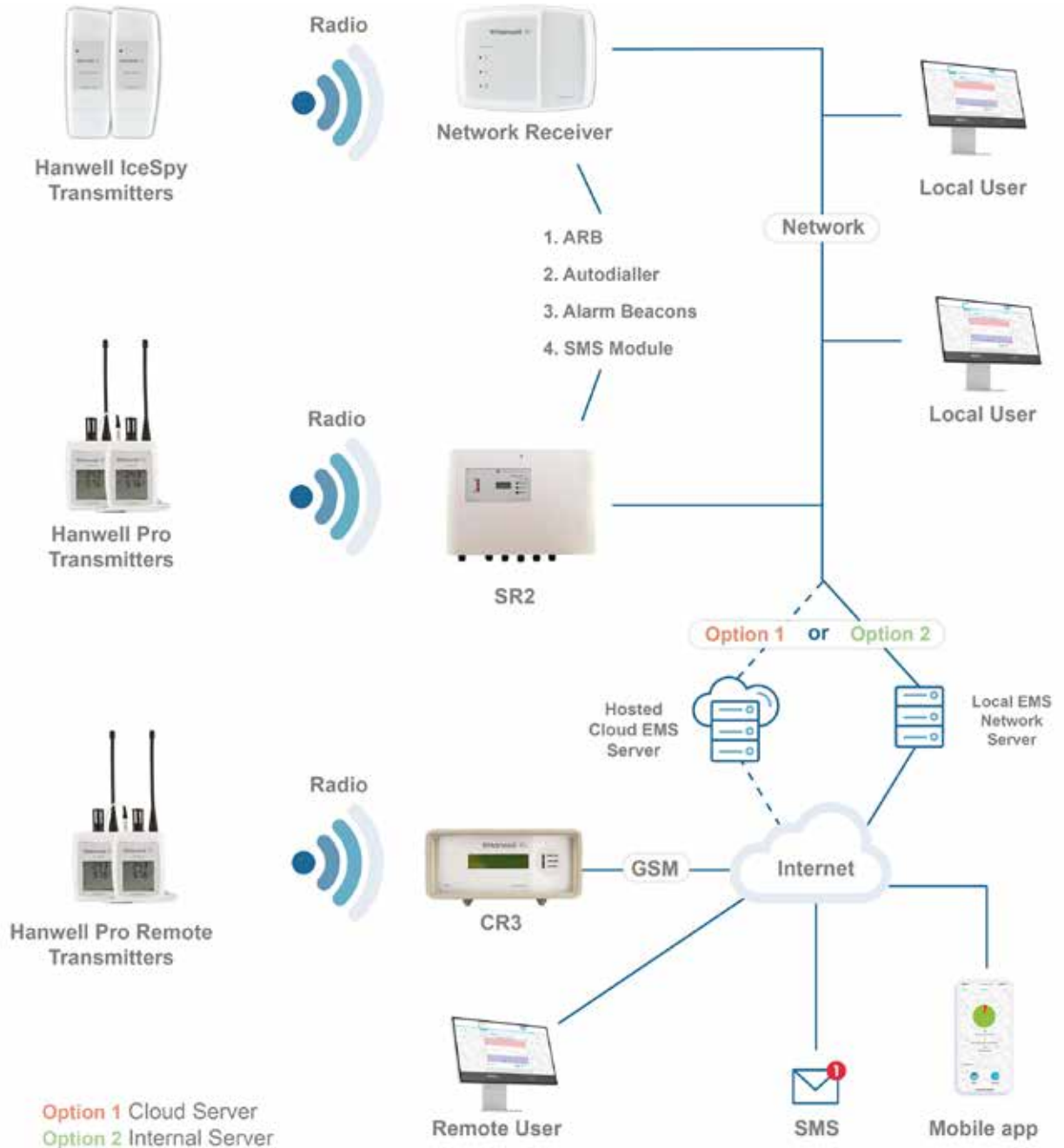
Internet

Option 1 Cloud Server
Option 2 Internal Server

Remote User

SMS

Mobile app

Optional Alert Units

1. ARB
Alarm / RFID / Bluetooth

3. Alarm Beacons
Audio/visual alerts

2. Autodialler
Up to 9 call alerts

4. SMS Module
Out of hours alerts
via text message

Hanwell EMS
- advanced software

Managing environmental data has never been so easy – whatever and whenever you need it – from wherever you are.

The highly comprehensive EMS software takes environmental monitoring data display to another level. Full data collection with interactive graphs, tables and plan views, allows users to slice historical environmental data in many ways for more advanced analysis.

EMS administrators can create user groups for tiered management of sensor groups, zones and/or multi-site management – making managing environmental data easier and more accessible than ever.

Hanwell EMS Alarms App
The Hanwell EMS smartphone app is designed for users to access sensor alarm status, active alarms, list of sites, zones and sensor groups on-the-go.

Multisite/Group

Audit Trails

Historical Data

Email/SMS Alerts

Report Scheduling

RAG Alarms
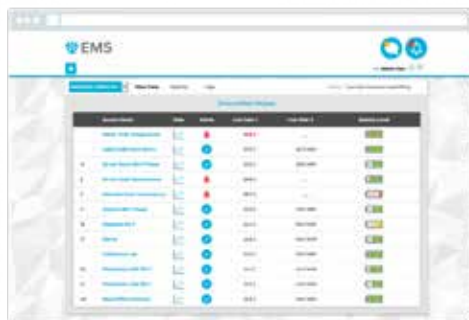
Full overview

Plan view

Graphical view

Whatever you need

- Single or multi-user access for small, medium or large sites
- Share data with users and allocate permissions to various data groups
- Collect and display more data than any other system on the market
- Display quick overview of sites and/or sensor groups
- Access interactive graphs, tables and plan views for more detailed analysis

Whenever you need it

- Access real-time data, 24/7
- Immediate email, SMS and mobile alarm notifications to user-defined personnel
- Generate automated reports or alternatively access reports immediately and easy

Wherever you are

- Access critical information on your smartphone and local PC, via the intranet, network or internet.
- Locally installed software or cloud-based server hosting options are available
- View and interact with data and settings from anywhere in the world using your browser

Calibration that provides peace of mind
Our skilled calibration technicians provide flexible and cost-efficient maintenance of your investment and enable units to be calibrated either in-house or onsite.

We can test several calibration points and offer traceable and accredited ISO 17025 calibration and adjustment for temperature and humidity instruments.

Additionally, the Hanwell EMS software retains calibration information for each transmitter and automatically runs scheduled reports showing calibration due dates.

Ellab

Ellab has been your validation and monitoring partner since 1949, offering wireless data loggers and thermocouple systems for thermal validation processes as well as wireless environmental monitoring solutions.

We serve both small and large companies within the life science and food industries and have solutions for almost all applications such as sterilization, freeze drying, environmental chamber testing, depyrogenation, warehouse mapping, pasteurization and many more.

Ellab develops unique and innovative solutions based on input from close interactions and dialogues with our customers. Our goal is to help our customers overcome challenges and increase their productivity by providing reliable and efficient solutions.

Ellab also offers complete turn-key or supplemental rental solutions, equipment qualification and validation services and our specialized training courses within Ellab Academy.

Ellab has a long tradition and dedication for delivering the highest performance and quality in our industry. Our user friendly and flexible validation and monitoring solutions are recognized and used by thousands of customers worldwide.

Ellab A/S is ISO 9001 & ATEX IEC 80079-34 certified. Our calibration laboratories in DK are accredited according to ISO/IEC 17025:2005 by DANAK under registration no. 520 and our German laboratory has a DAkkS ISO/IEC 17025:2005 accreditation. We also have a UKAS ISO/IEC 17025:2005 accreditation at our monitoring manufacturing site in UK.