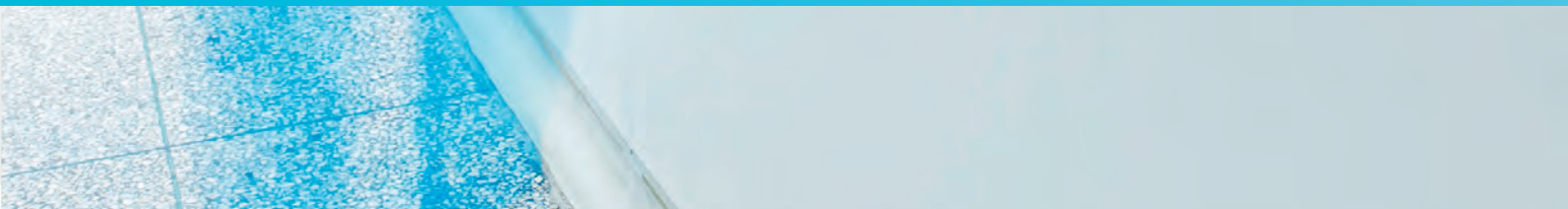




Environmental Monitoring Solutions

Expertly designed and manufactured environmental monitoring solutions for ultimate peace of mind.

hanwell.com



We are proud to be working
with some of the world's leading
companies



Alcatel-Lucent



SANOFI GENZYME



“ Our promise is to deliver trusted environmental monitoring solutions for ultimate peace of mind. ”

Ian Robinson
Managing Director



Made in-house for quality and distributed globally

We have an impressive 17,500 sq ft of factory and office space in Letchworth, just north of the UK's capital, London. Products are not only assembled by us, but designed and built in-house by our innovative and skilled team. Building our own radio technology in-house enables us to reach distances and overcome building obstacles that no other radio system can achieve.

Our network of over 65 partners are trained and certified to fully support, commission and train customers on our full range of environmental monitoring and control products.

By working with local partners we ensure that our products are made available to the widest audience and that we are represented by teams of professional people who are close to and understand the markets in which they are representing us. This way our customers are assured of the best service at all times.

Main industries served; Food, Industrial, Pharmaceutical, Healthcare and many more.
For industry specific information, please visit hanwell.com.

Manufactured by Hanwell | Ellab

Hanwell Wireless Solutions

Each of our well established wireless systems incorporate our exclusive Hanwell telemetry, providing exceptionally reliable and long-range wireless capabilities that remain superior across the market.

Our reputable wireless systems are established globally within multiple industries including, Healthcare, Pharmaceutical, Food and Industrial sectors covering a vast array of differing applications.

Every one of our customer's requirements differ, therefore our approach is to listen, ask questions and only then offer advice on the system or product that is right for their needs.

We survey your sites, we commission your environmental monitoring systems and we offer you post-sales support for our products as and when you need it.

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

Secure. Permission controls, data owned by customer.

Fully supported. Service options available for bronze, silver and gold priority.

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

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

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

Validatable software. Speciality for the pharmaceutical sectors, we provide comprehensive IQ and OQ protocols and custom protocols, where required. Trained engineers and distributors are available for smooth validation protocol execution.



A white, rectangular Hanwell Lite sensor with a small black dot at the top and the Hanwell logo and 'Lite Series' text on its front.

Hanwell Lite

Plug and play wirelessly automated temperature monitoring system for retail refrigeration equipment monitoring, in and out of working hours.

Hanwell Lite is an innovative plug and play wireless temperature monitoring system for use with up to 30 sensors. Reporting to cloud-based software, data can be viewed anywhere providing ultimate peace of mind.

- Affordable solution for use in retail environments
- Easy-to-use cloud based software
- Reduction in errors resulting from manual checks
- Improve product quality and reduce product waste
- Alleviate audit stress with easy to access historical reports
- Out of hours alarms to assist with eliminating damage to stock



Hanwell IceSpy



Premium, reliable and affordable environmental monitoring with competitive accuracy, cold-chain solutions and radio strength that overcomes most typical applications.

This established system is used throughout the food and healthcare cold-supply chain for providing cost-effective solutions to wireless environmental monitoring (typically temperature and humidity) within cold storage, warehouses and manufacturing facilities. Using our Hanwell telemetry the **Hanwell IceSpy** system has a huge advantage over competitor technology including the use of innovative software for 24/7 data collection for audit trails and immediate alarm notification.

Additional parameters can easily be added to this system as customer needs change and grow; including differential pressure, CO₂, air flow and much more.



Superior environmental monitoring and control with high accuracy sensors, LCD display and unmatched radio strength and GSM that overcomes the most complex and remote situations.

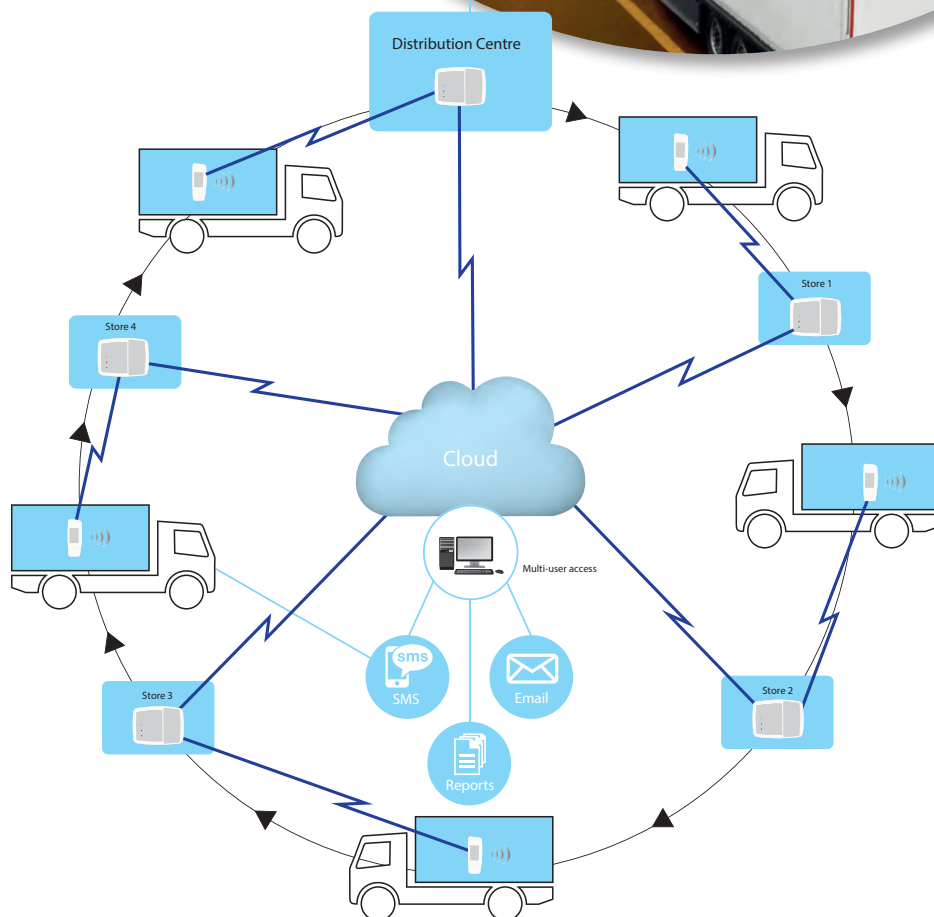
Hanwell Pro wireless solutions provide advanced capabilities through an independent system capable of data analysis and reporting, which can be used to map and verify extensive ranges of temperature, relative humidity, light (LUX), UV, air flow, transport, damp, leak, wood, utilities and many more.

Additionally the **Hanwell Pro** radio systems can be used to control environments, either by integrating into an existing control system or used in isolated areas such as with humidifiers and dehumidifiers.

Transport System

Closed-loop monitoring

The transport system can be used to expand existing Hanwell systems or as a standalone solution to cold-chain monitoring. Retrieve critical temperature data (up to 4 days) seamlessly upon delivery to Hanwell EMS via trusted Hanwell wireless telemetry.





Selsius Fridge

Report Date: 08/Sep/2016

Site: Pendle House

Report Period: 25/Aug/2016 09:51:46 - 08/Sep/2016 09:51:46



Engineering Ltd

Fridge: Antibiotics Fridge and Door

Serial No. : 00-00-02-03

Current Alarm states at time of Report

Channel	High Level	High Range	Low Range	Low Level	Door	Level Delay (min's)	Range Delay (min's)	Door Delay (min's)
1 Temperature	10.0	8.0	N/A	N/A	N/A	N/A	N/A	N/A
2 Door	N/A	N/A	N/A	N/A	Open	N/A	N/A	N/A

1 Temperature Total Alarms during report period: 3

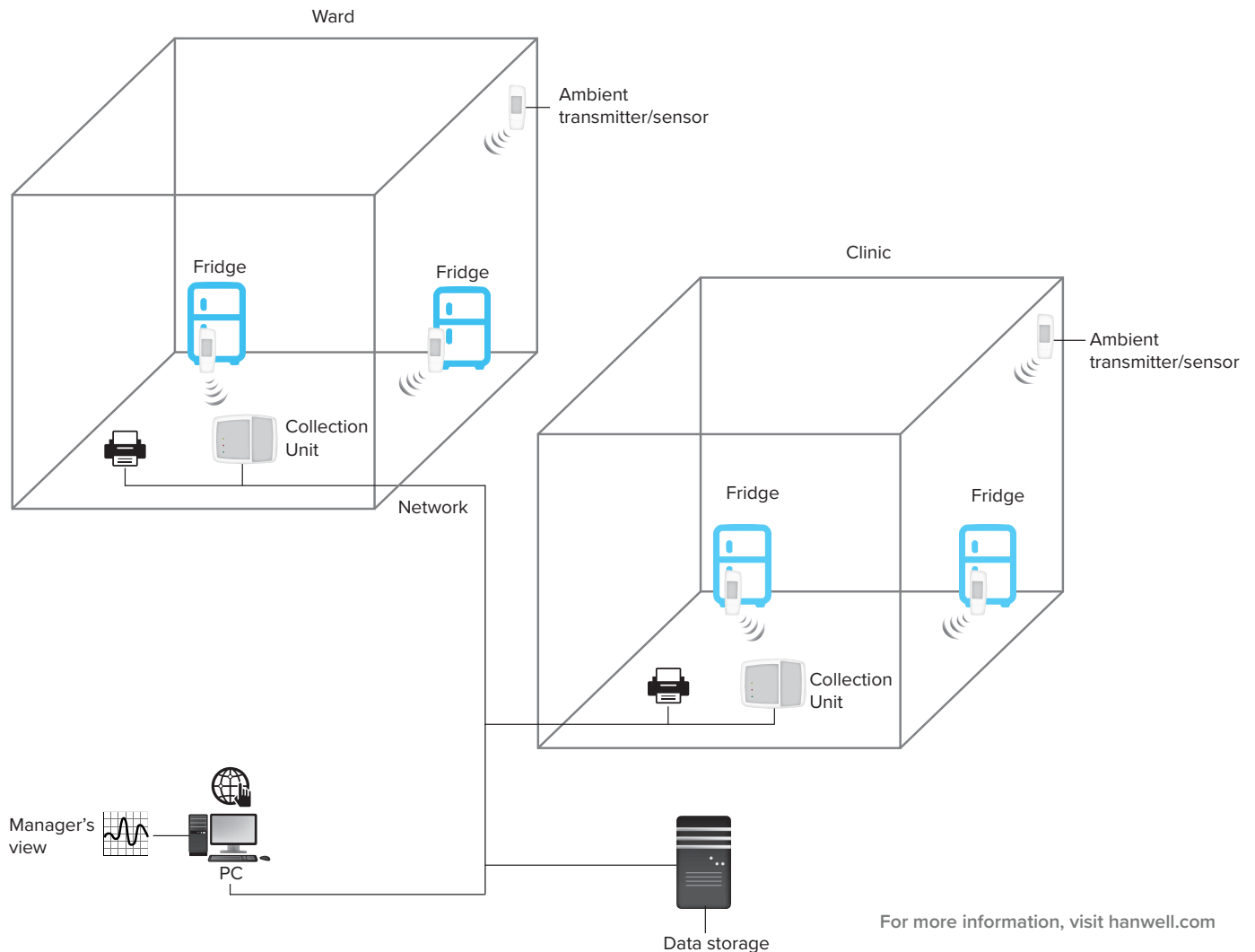
Total Alarms during report period: 1



Selsium System

Hospital clinics/wards/patient rooms

Selsium is designed to monitor the temperature of refrigerators within hospital clinics/wards/patient rooms and alert staff directly, assisting in keeping drugs and blood safe from damage and the public safe from harm.



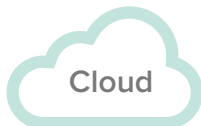


Hanwell Pro Remote Transmitters



GSM

CR3



Cloud



Hanwell Pro Transmitters



Radio

SR2



Hanwell IceSpy Transmitters



Radio

Network Receiver



MS1000

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

Standalone PC

Network

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

Hospital Ward/Wing



Selsium
Transmitters



Radio

Audio alerts

Printer - staff
actions

Data Collection Unit



Transport System
Transmitter



Radio

Transport Base



iSense Remote
Sensor



GSM



Cloud

Cloud-based/
web access

Mobile app



Comprehensive software, like
nothing else.

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



NEW

Mobile app &
business intelligence
reporting tools
available



Email/SMS
alerts



Report
Scheduling



RAG
Alarms



Multisite/Group



Audit trails



Historical data

Standalone instrumentation

Static & transport monitoring

Data loggers

Top quality, **Hanwell Pro** data loggers are available off-the-shelf or made to order depending on your monitoring requirements and provide fast and accurate data within small to medium or isolated areas. These can be used as a standalone solution, for transportation purposes, or in conjunction with a wireless system.



Handheld Thermometers

Our off-the-shelf Hanwell handheld digital thermometers are typically used within the food industry during food preparation, providing an accurate and durable solution for fast paced businesses that depend on economical, durable and reliable equipment.

The HM007 handheld thermometer is also Bluetooth compatible with our **Hanwell Pro** and **Hanwell IceSpy** systems for comprehensive data monitoring.





Control

Integrate into Hanwell wireless systems



MS1000

For a complete closed loop environmental control system, the MS1000 system is intended to allow radio sensors to directly replace wired-in sensors in building environmental control where the 3rd party building management system can directly accept analogue or digital signals. In addition, because the MS1000 system uses radio for the communication between sensors and the control system data is recorded, monitored and reported on to ensure that environmental criteria are being met.

Humidifiers & Dehumidifiers

Hanwell's humidity control range provides comprehensive and flexible solutions for humidifying and dehumidifying to suit individual preferences. Additionally, selected humidifiers and dehumidifiers can be automatically controlled using cost-effective humidistats for standalone solutions or interfaced into a local BMS for automated control if constant and consistent conditions are critical.



Due to our ability to design and manufacture in-house, our Hanwell wireless systems can accommodate the output from virtually any type of commercially available sensor, making it the most flexible hardware available today.

If you have an unusual or specific application that needs monitoring please contact us, as we will almost certainly have a solution for you.



Providing a premium service

Service Packages

Our Customer Service team ensures the smooth running of your chosen Hanwell system from your initial purchase and throughout its many years of use.

We offer a number of service and maintenance options to suit individual requirements and budgets; from out-of-hour telephone and remote support, to having an engineer on-site when you need them most.

Ask about our range of packages today.



**Remote
support service
24/7**



**Annual
calibration
cover**



**Telephone
support 24/7**



**Annual health
check**

Calibration that provides peace of mind

Accurate calibration

We pride ourselves on our ability to remain flexible to each customers individual requirements, enabling units to be calibrated either in-house or on-site and have invested a huge amount of time and resource to this area of our business for added quality assurance purposes.

Instruments can be adjusted and calibrated to satisfy the most demanding applications, hence guaranteeing data on which you can rely absolutely.

We offer traceable and UKAS 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.



8306

UK - Hanwell

+44 (0)1462 688070
sales@hanwell.com
hanwell.com

Hanwell Solutions Ltd
Pendle House, Jubilee Road,
Letchworth, Hertfordshire, SG6 1SP,
United Kingdom




Registered in England No. 06277768.
VAT GB 945709883

Denmark - Headquarters

+45 4452 0500
info@ellab.com
ellab.com

Ellab A/S
Trollesmindealle 25
3400 Hillerød
Denmark

Follow Us

 @hanwellsolution
 /hanwellsolutions
 /hanwell-solutions-ltd

 @ellabsolutions
 /ellab

Part of the Ellab Group

Ellab Thermal Validation Solutions - Industry Leading Accuracy

Since the late 1940's Ellab A/S has been a leading manufacturer of complete Thermal Validation Solutions for food, pharmaceutical, medical and other industries where thermal processing involves safety, energy savings, improvement of quality, and optimization.

ellab.com



RoHS



FM 535767



8306