

Letterkenny University Hospital

A Case Study



Strengthening temperature control across hospital pharmacy storage

Letterkenny University Hospital provides acute hospital services to patients across County Donegal. Within its pharmacy operations, maintaining medicines at the correct temperature is essential to protecting product quality and supporting patient safety.



The Challenge

The hospital needed a more reliable and efficient way to monitor temperature-controlled storage across multiple wards and departments.

The pharmacy team previously relied on manual temperature recording. With multiple refrigeration units located across the hospital, the team wanted a system that could provide continuous monitoring and automatically notify the appropriate staff if a reading moved outside its defined limits.

The objective was to improve oversight of medicines storage, reduce the risk of product loss and replace paper-based records with a more dependable and accessible system.



The Kelsius Solution

Kelsius introduced an automated, paperless temperature monitoring system across the hospital's temperature-controlled storage locations.

Wireless sensors continuously monitor and record storage temperatures. If a reading moves outside its defined limits, an alert is automatically issued, enabling staff to investigate and respond quickly.

Authorised users can securely access live readings, historical information and flexible reports through the Kelsius platform. Temperature records and corrective actions are retained to provide a complete, traceable audit history.

The system is used across multiple ward refrigeration units and also supports temperature compliance within the hospital's catering operations.



Benefits of using the Kelsius system:

- ✓ Improved quality control for temperature-sensitive medicines
- ✓ Reduced risk of product loss
- ✓ Continuous monitoring across multiple storage locations
- ✓ Automatic alerts when temperatures move outside set limits
- ✓ Secure access to live and historical data
- ✓ Less time spent completing and reviewing manual records
- ✓ Traceable reports and corrective-action records
- ✓ Greater confidence in product quality and patient safety



What They Say

"We have increased our confidence in product quality and patient safety. Moreover, the system has already paid for itself several times over by helping us avoid significant product loss. We recovered our costs within a year, saving in excess of €40,000."

Chief Pharmacist

Letterkenny University Hospital



Outcome

The Kelsius system gives the pharmacy team greater visibility of temperature-controlled storage across the hospital. Automatic alerts support faster intervention, while centralised reporting provides ready access to the information required for daily oversight, investigations and audits.

By replacing manual records with continuous monitoring, Letterkenny University Hospital has strengthened temperature control, reduced the risk of human error and improved confidence in the conditions under which medicines are stored.