

pharmacy

Rivercity Innovations Ltd. Case Study

Partner: Local Community Pharmacies

A complete cold chain solution for your pharmacy!

At a glance

With RCI's Cold Chain Monitoring System, pharmacies have seen an increase in pharmacist productivity, reduced product spoilage and found peace of mind knowing that they are serving their customers safe prescriptions.

OVERVIEW



Record Temperature Readings Automatically



Report Temperature Data Accurately and Schedule to Send Automatically



Receive Alerts Simultaneously when One or More Temperature Breaks Occur

BUSINESS PROBLEM

A Saskatchewan pharmacy currently uses a medical pharmacy fridge which allows them to maintain reliable temperature stability for their cold chain pharmaceuticals. Regulations and compliance standards in the province of Saskatchewan require pharmacies record and maintain fridge temperatures and cold chain breaks for a minimum of 2 years.

Current temperature monitoring practices include manual recording and reporting. These processes are time consuming and use devices that cannot guarantee precision. Manual processes do not provide 24/7 monitoring, leaving you at risk for undetected cold chain breaks that occur outside normal hours of operation. This issue is recognized as a public safety risk by the Saskatchewan College of Pharmacy Professionals because cold chain breaks decrease vaccine potency.



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SOLUTION

The pharmacy implemented Rivercity Innovations' Cold Chain Temperature Monitoring Solution to strengthen compliance for safety regulations and to enhance temperature control processes. They installed one TUNDRA sensor per fridge to monitor all of their temperature-sensitive pharmaceuticals. These sensors communicate wirelessly with the LoRa Gateway, seamlessly uploading data to the online dashboard. This low-cost solution ensures the pharmacy's products are stored and maintained within safe temperature thresholds.

BENEFITS

1

Avoid Costly Spoilage

Data is monitored and uploaded automatically, including hours when the pharmacy is not open, for 24/7/365 protection. Alerts occur within 60 seconds of the temperature exceeding the set threshold. Pharmacists can access their data at any time for real-time insights.

2

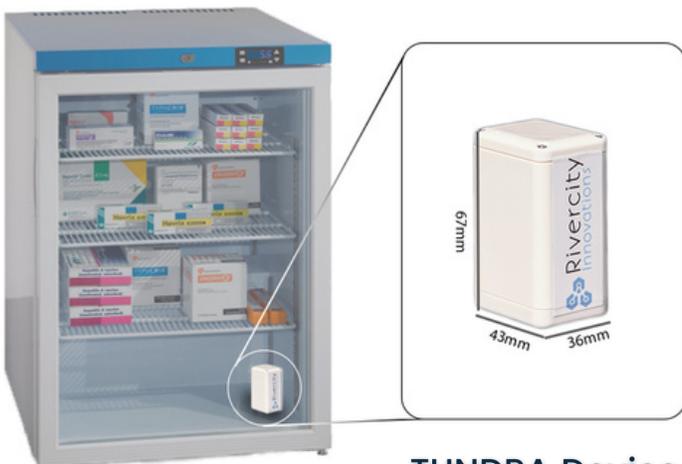
Paperless Compliance

The pharmacy was able to customize the online dashboard by setting temperature thresholds, identifying contacts for alerts, and selecting how often they would receive automated email reports. The pharmacy no longer relies on staff to read, record, and download information from old data loggers. Instead, they have an automated system to record and report the min/max/average temperatures needed for compliance, with easy access to real-time and historic data.

3

Protect Your Clients and Preserve Product Quality

The pharmacy set-up "admin" and "user" accounts to customize alerts for staff. On-call contacts were chosen to receive weekend, holiday, and after-hours alerts. With no software or application download required, the dashboard continues to operate regardless of network outage or power failure. Our 24/7/365 alert system gives the pharmacy peace of mind and details that their previous security system did not.



TUNDRA Device



Online Dashboard