

# Cold chain monitoring

Solution brief

Enhance visibility, safety and control throughout the supply chain.

Verizon Condition Based Maintenance solutions

Verizon's cold chain monitoring solution helps preserve the quality and safety of temperature-sensitive products during storage and transportation. We combine sensor hardware, LTE connectivity and our cloud software-as-a-service platform to provide an end-to-end approach to proactively measure and record the temperature of products throughout the supply chain journey.

## Safeguard your temperature-sensitive products.

Our solution uses state-of-the-art temperature sensors, data loggers and GPS tracking to monitor the location and temperature of your products throughout storage and transportation. This technology is designed to safeguard your products so they arrive at their destination in the best possible condition. Our cold chain monitoring solution also provides near-real-time visibility and traceability throughout the supply chain, allowing you to optimize your operations, improve efficiency and responsiveness, and reduce costs. All while helping you address regulatory requirements and potentially avoid fines or penalties.



## Identify warning signs quickly.

Our monitoring solution sends alerts via text message or email when a sensor detects fluctuations in temperature or other conditions that may lead to contamination, spoilage, waste and other issues that can cause serious problems for your business:

- **24/7 monitoring.** Stay on top of your valuable assets' status by maintaining temperatures at optimal levels virtually anytime, anywhere, on any device.
- **End-to-end visibility.** Track the condition of your inventory from farm to table to help ensure freshness.
- **Prompt notifications.** Receive near-real-time alerts when a problem is detected.
- **Revenue protection.** Lower costs by preventing spoiled inventory.
- **Robust compliance.** Facilitate safety, quality and compliance with data logging and reports for proof-of-temperature performance.

## Take control through a single pane of glass.

Our solution includes a custom dashboard with detailed key performance indicators and sensor visualizations, providing a single glass pane for monitoring your products' temperature and environmental conditions while in transit or in storage.

Preserve the quality and safety of your products.

## Enjoy a simple, out-of-the-box experience.

This turnkey solution features software that interacts with Verizon or third-party sensors to take readings at set intervals and transmit them to the cloud via an Internet of Things (IoT) gateway, giving you an easy, all-in-one monitoring experience.



Remote monitoring



Automatic data logging



Timely alerts



Analytics & reporting

**Gain peace of mind knowing that the temperature of your products and the environment they're in are being monitored in transit around the clock.**

## Why Verizon?

Verizon's Condition Based Maintenance remote monitoring solutions leverage a simple, intuitive platform and seamless integration with our network to help you keep your operations running smoothly and effectively. Our award-winning network offers broad coverage, fast speeds and reliable connections. So connect and stay on top of what matters most with the help of a trusted partner—Verizon.

**Get award-winning network performance from Verizon, the network America relies on.**

## Learn more

Find out how our cold chain monitoring and other asset management and monitoring solutions can help you manage your operating environment while letting you focus on what's most important: your business.

Contact your Verizon Wireless business specialist today at 877.273.2279, option #3.

## Who can benefit?

Verizon's cold chain monitoring solutions can be useful for a wide range of industries, including:

- **Chemicals.** Help ensure the stability and safety of certain chemicals that may be sensitive to temperature changes such as paint, adhesives and resins.
- **Food and beverage.** Preserve the quality and safety of perishable foods such as meat, dairy, fruits, vegetables and prepared meals.
- **Pharmaceuticals.** Maintain the efficacy and stability of many pharmaceutical products such as vaccines, biologics and temperature-sensitive medications.
- **Retail and e-commerce.** Answer the growing demand for fresh and convenient products.

In general, any industry that needs advanced monitoring of temperature-sensitive products while in storage or transit can benefit from implementing our innovative cold chain monitoring solution.

