

# SENSORS FOR COLD STORAGE

Small and powerful, our sensors ensure food stays sellable.

Spoiled food is unsafe for customers and expensive for grocery stores. Manually monitoring temperatures is time consuming. Sensors from Disruptive Technologies can help you maintain proper conditions while saving time and money.

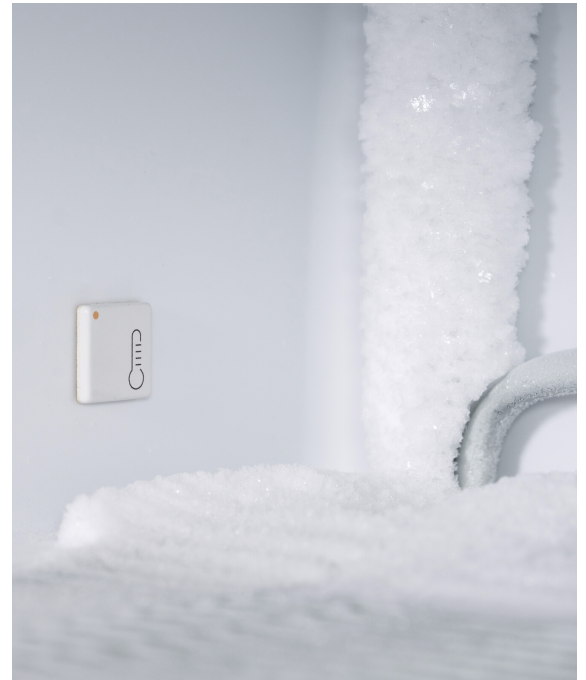
## Keep food safe and customers happy

You can't risk selling spoiled food. For many products, consistent refrigeration is required to maintain freshness. Fresh fruits and vegetables are particularly sensitive to spoilage and must be monitored carefully. One undetected refrigerator malfunction can result in **\$30,000 in lost stock**. Cold storage monitoring helps you avoid sick customers, insurance claims, lawsuits and damage to your reputation.

## Comply with regulations and decrease labor costs

To comply with regulatory requirements, such as Hazard Analysis and **Critical Control Point (HACCP)**, food retailers must monitor and document temperature for food at least three times each day. To ensure food remains at the right temperature, employees conduct manual checks, which are tedious and time-consuming. For large stores with dozens of temperature points, those checks add up to hours of labor.

Sensors applied to refrigeration and freezer units let grocery stores remotely monitor temperatures and confirm equipment is working. Because checks happen every few minutes, changes don't go unnoticed. Sensors feed data into reports you can share easily with auditors to demonstrate compliance. If sensors detect unexpected changes, they can alert site managers and service technicians to address problems immediately. Staff can quickly relocate perishable food, ensuring it is safe for sale. Sensors free up time for employees, allowing them to focus on other work functions that improve the customer experience.



## Why Disruptive Technologies Sensors

First-generation sensors were bulky, complex and often inaccurate. We've completely rethought sensor design to enable data collection anywhere and everywhere.

There's no need to "rip and replace" legacy systems to turn them into "smart" equipment.

- Mini-sensors are the size of a postage stamp
- Low power consumption means long battery life (up to **15 years**)
- Robust construction
- Cost efficient
- Direct connections provide maximum accuracy
- Industrial-grade connectivity and built-in redundancy
- Supports next-generation Internet of Things (IoT) networks
- End-to-end security built into the design
- Extensible platform to integrate into your systems



CONTACT US TO LEARN MORE

## Sensors anywhere. Insights everywhere.

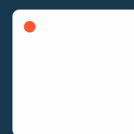
Disruptive Technologies is a rapidly growing innovator in the IoT market and developer of the world's smallest commercial-grade wireless sensors. Our sensing solution based on these mini-sensors simplifies data collection and delivers the data securely to our partners' analytics programs in the cloud.

Leading-edge companies build radically different smart solutions on our platform for Industry 4.0, commercial real estate, retail, food service and safety, and connected living applications. Together we enable facility managers to maximize space and keep tenants happy, pharmacists to ensure drugs don't spoil, and engineers to protect critical assets. From predictive maintenance to proper refrigeration, we're connecting people and information to deliver Connected Change™.

To learn more, visit [www.disruptive-technologies.com](http://www.disruptive-technologies.com)

Disruptive Technologies Research AS  
Strandveien 17, Lysaker, Oslo 1366, Norway

Oslo • Trondheim • London • München • Atlanta  
+47 57 98 88 55 • [sales@disruptive-technologies.com](mailto:sales@disruptive-technologies.com)



**DISRUPTIVE**  
TECHNOLOGIES