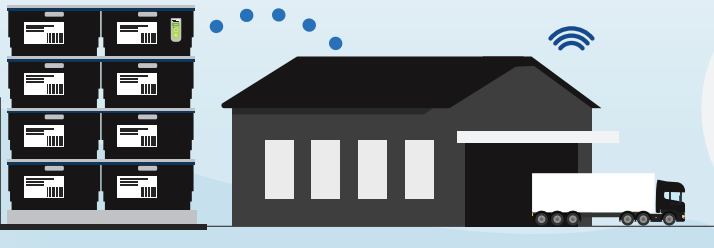# Transforming Your Cold Chain Insight

ZEBRA

Transporting temperature-sensitive items including food, pharmaceuticals, and chemicals, isn't easy. Unexpected delays, human error, and breakdowns in environmental systems are just some of the issues which can impact the data capture necessary to ensure compliance with legislation and support confident decision making about the status of sensitive items.
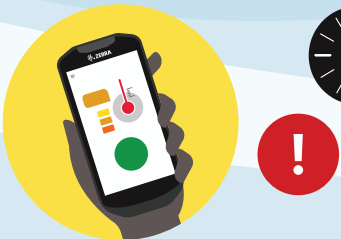
Technology is here to help. Here's how.

Compact ZS300 Electronic Sensors are attached to shipments at production / manufacturing. The compact, highly accurate and robust IoT devices collect and stream environmental condition and location data.

With the sensor attached to containers and pallets, you can customize temperature ranges to be monitored between -40°F -185°F (-40°C - +85°C).

Alerts are raised when temperature excursions occur based on the ranges and time limits you define.

The data can be securely sent to your Android mobile devices, to a cloud of your choice. Support for the ZS300 is built into multiple software platforms, while APIs ease the integration of sensor data into your supply chain systems of record.

In cold stores, warehouses and distribution centres, current temperature data is continually streamed. At journey's end up to 16,000 records can be retrieved from the ZS300 in seconds.

The actionable intelligence assists everyone involved in the supply chain in making the next best decisions when handling items in their care.

For more information, visit:
https://www.zebra.com/us/en/products/environmental-sensors.html

2.7 billion
people lack access to vaccines due to insufficient supply chains and logistics capabilities related to cold chains[1].

3.3 billion tonnes
the carbon footprint of food waste[2].

14% of all food doesn't make it to market[3].

More Visibility. More Accuracy. Better decisions.

- Reduce costs associated with product waste, reshipments and manual workflows.
- Improve efficiencies by automating data capture and record-keeping.
- Build compliance assurance into your workflows, by capturing critical tracking event data, such as those required by the FSMA.
- Enhance transparency across supply chain parties in real time.

Supporting Your Sustainability Goals

Buy in confidence from Zebra:

- Sensors are supplied in multi-packs of biodegradable packaging
- At end-of-life return your ZS300s at no cost using our recycling program (less than 1% of devices reach landfill).

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[1]https://www.seforall.org/chilling-prospects-2021/impact-of-covid-19/challenges-in-vaccine-rollout-linked-to-cooling, 2021
[2]https://www.ifco.com/countries-with-the-least-and-most-food-waste/ 26 October 2023 -
[3]https://www.ifco.com/countries-with-the-least-and-most-food-waste/https://www.ifco.com/countries-with-the-least-and-most-food-waste/ 26 October 2023