



Reimagine Cold Chain



Ensure the safety of products moving through the supply chain with sensor-based, real-time technologies to measure and monitor temperature, humidity, pressure, light exposure

Overview

The global pharmaceutical cold chain market is expected to grow, but losses from temperature fluctuations can slash revenues for life sciences companies. Valued at over \$73B USD, the pharma industry requires specific transport equipment, and must meet stringent handling and compliance regulations. Our solution provides reliable real-time monitoring, and historical analytics by recording critical environmental parameters for vaccine and pharmaceutical storage. Both ensure safe product distribution, better quality, certified delivery, proactive actions, and predictive maintenance—all of which can increase operations efficiencies and customer satisfaction levels.

Features

Unit-level visibility into cold chain with geospatial tracking of shipments through a control tower view

Temperature sensors enable track-and-trace and real-time remote temperature monitoring

Quality certificate to comply with regulatory and customs requirements

Track ambient—or container—level cold chain parameters

Real-time visibility of in-transit shipment health through automated system notifications, email triggers, and SMS alerts

Trigger business decisions within app (e.g., revoking shipment, canceling customer delivery)

Notification and analytics dashboards for overall supply chain health and alerts management



Enables fit-for-use certification where required



Increased revenue recognition through reduced shipment/storage losses and increased on-time delivery



Greater compliance through availability of quality records and certificates for regulatory and customs authorities



Improved customer satisfaction through on-time healthcare product delivery and consistent quality



Reduced operational costs through proactive alerts and action triggers; reduced product and logistics losses

Industries

Life Sciences
Consumer
Healthcare

Functions

Supply chain
Warehousing
Logistics

Processes

Order to cash
Make to deliver
Procure to pay
Delivery
Transformation

Innovations leveraged

Map-based tracking
SAP Fiori®
Action triggers providing real-time alerts
SAP S/4HANA®
Real-time data

For more information or to discuss a specific challenge your organization is facing, contact SAP@deloitte.com