

Temperature Control for Industrial Materials

SENSITECH®

Know the Condition of Time and Temperature-Sensitive Materials as They Progress Through the Supply Chain

Products Face Distribution and Storage Challenges

The integrity of the supply chain for Time and Temperature Sensitive (TATS) Materials in the industrial market is dependent on a broad range of factors, including:

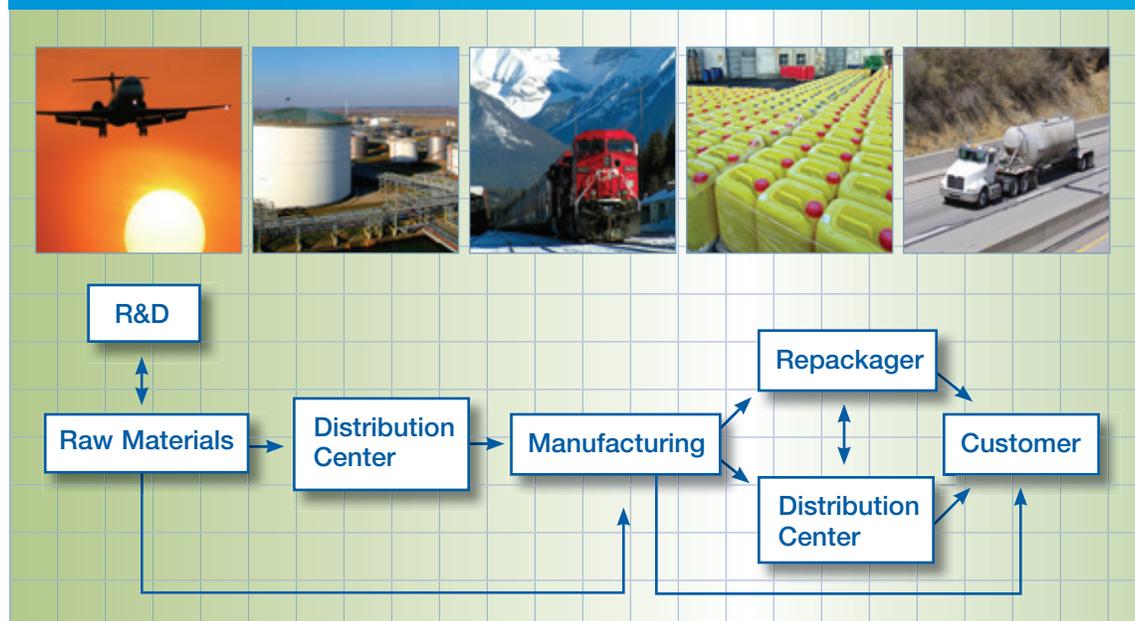
- Transportation mode—air, train, ship, truck
- Physical movements—shock and vibration
- Carrier and container types
- Temperature extremes—sensitivities to cold and heat
 - Weather, seasonality, climate zones, transportation logistics
 - Accidental freezing or melting

Industrial Materials Are Vulnerable to Temperature Abuse

Because of complex handoffs within the distribution and storage segments, many industrial materials are vulnerable to temperature fluctuations—including TATS products such as:

- Composite materials
- Adhesives and sealants
- Epoxy molding compounds
- Solder pastes
- CMP slurries
- PTFE powders
- Aqueous dispersions

Supply Chain's Complex System of Handoffs



Overcome Temperature Abuse with Good Cold Chain Management Practices

Good Cold Chain Management Practices (GCCMP) provide additional emphasis on quality in the industrial market because they ensure TATS materials have neither been temperature abused nor have experienced product degradation. Ensuring the integrity and full value of your products strengthens customer and partner relationships, as well as enriches your company's brand.

GCCMP also supports your company's internal SOPs and QC/QA processes and enables compliance with current and pending standards and accreditation programs.

Sensitech Provides Cold Chain Visibility Solutions for TATS Products in the Industrial Materials Markets

Sensitech is the global leader in cold chain visibility solutions that allow industrial materials to have the right product in the right place, at the right time, in the right condition—the integration of monitoring and tracking with an emphasis on driving measurable process improvement.

Sensitech's cold chain visibility solutions include:

- Validated data acquisition instruments for in-transit, in-process and in-storage monitoring
 - TempTale® electronic data loggers (temperature and humidity)
 - Ryan® strip chart recorders
 - TagAlert® electronic temperature indicators
 - FreezeAlert® electronic temperature indicators
 - TempTaleRF® radio frequency identification (RFID) monitors
- Enterprise software applications providing Web-enabled, scalable data management, exception reporting and data analysis
 - ColdStream® Cold Chain Manager



- Cold Chain Visibility Services to measure critical cold chain points, map and analyze complex distribution chains, and enable process improvement
 - Thermal mapping studies
 - Shipping studies

Who Is Sensitech?

Sensitech Inc. is the leading provider of cold chain visibility solutions that enable global leaders in the industrial, life sciences, and food industries to track and monitor assets across the supply chain, protecting the integrity of their temperature-sensitive products.

- ISO 9001:2008 registered company
- Global support with worldwide office locations
- Monitored over 8 million shipments in 2011 for over 12,000 global customers

As the world's leading provider of cold chain visibility solutions, Sensitech Inc., enables global leaders in the industrial, life sciences, and food markets to track and monitor assets across the supply chain in order to protect the integrity of temperature-sensitive products. Sensitech is an ISO 9001:2008 company based in Beverly, Mass., with more than 30 sales, service and distribution locations around the world. Sensitech is a part of UTC Climate, Controls & Security, a unit of United Technologies Corp., a leading provider to the aerospace and building systems industries worldwide. Visit www.sensitech.com for additional information. © 2012. Sensitech Inc. All Rights Reserved. Unless otherwise indicated, all trademarks and service marks are the property of Sensitech Inc.