Global Cold Chain Monitoring Market Research Report— By Component (Hardware, Software, Services), By Application (Pharmaceuticals & Healthcare, Food & Beverages, Chemicals), By Logistics (Warehousing, Transportation) — Forecast Till 2023

Cold Chain Monitoring Market Snapshot

Global cold chain monitoring market is set to soar at a healthy CAGR of 9.6% during the assessment period (2018-2023). The need for higher efficiency in temperature-controlled supply chain has made a positive impact on the cold chain monitoring market. Moreover, the rising demand for refrigeration in industries such as food and beverage (F&B) and healthcare has boosted the popularity of cold chain monitoring. F&B remains the primary application area for cold chain monitoring solutions as frozen or cooled food categories continue to witness unwavering expansion all over the world. Chemicals and pharmaceuticals are the other two domains that require unfailing controlled room temperature solutions and are likely to play an important role in spurring the growth of the cold chain monitoring market in the near future. In addition, factors such as the mushrooming of refrigerated warehouses worldwide and regulatory frameworks have in part driven the popularity of cold chain monitoring.

Cold Chain Monitoring Market Report Overview

This MRFR study delivers an objective analysis of the global cold chain monitoring market for the next five years, keeping calendar year 2017 as the base year. The study also offers an assessment of the market revenue on a global level and growth rate for the total market during the forecast period. A historical data showing key market trends and vendor activity is also available. The study segments the cold chain monitoring market based on component, application, logistics, and region. This allows a greater understanding of segments that hold significant growth opportunities.

By component, the cold chain monitoring market has been segmented into software, hardware, and services. The hardware segment is further sub-segmented into RFID devices, sensors, networking equipment and telemetry & telematics devices. The application areas considered for this market are segmented as food & beverages, chemicals, and pharmaceuticals & healthcare. By logistics, warehousing and transportation are the two market segments that have been analyzed. All the segments and sub-segments are profiled under five major geographies— North America, Europe, Asia Pacific, the Middle East & Africa (MEA) and Latin America, with their respective country-level market sizes. The study is focused on identifying current and future prospects of the cold chain monitoring market and delivering a holistic growth forecast.

Cold Chain Monitoring Market Key Players:


The report offers information on the leading companies operating in the cold chain monitoring market and evaluates their current market share. The company information presented in the report highlights revenue, segmental share, geographical income, SWOT, growth strategies, new product launch, M&A activities, and the latest R&D initiatives.
Research Methodology

Market Research Future has developed several systematic & scientific frameworks which act as research standards to ensure objectivity and accuracy in reports. Reports are underpinned using both primary and secondary research methods. Primary data has been gathered from management and operational level participants, while secondary data has been obtained from a variety of credible sources such as annual reports and white papers. Top-down and bottom-up approaches have been utilized to provide a reliable validation and estimation of the market. MRFR’s expert data analysts offer unique perspectives on the pertinent field of study which reveal predictions and statements using historical, factually correct data with a view toward the future of the market.

Analysis Period

- Base Year- 2017
- Projection Period- From 2018 to 2023
- Market Valuation- USD Mn
- Conversion Rate- Considered as per the respective financial years

Intended Audience

- Cold chain warehouses
- Sensor manufacturers
- Logistic companies
- Pharmaceutical Companies
- Dairy product manufacturers
- Pharmacies
- Large food retailers
- Logistics Providers

For the scope of the research, MRFR’s report offers a comprehensive segmental analysis of the global cold chain monitoring market.

By Component

- Hardware
  - RFID Devices
  - Sensors
  - Telemetry & Telematics Devices
  - Networking Equipment
- Software
- Services
  - Professional Services
  - Managed Services

By Application

- Pharmaceuticals & Healthcare
- Food & Beverages
- Chemicals
- Others

By Logistics

- Warehousing
- Transportation

By Region

- North America; U.S., Canada, and Mexico
- Europe; Germany, U.K, France, Spain, and Rest of Europe
- Asia Pacific (APAC); China, Japan, South Korea, India and Rest of Asia Pacific
- The Middle East & Africa (MEA),
- Latin America
The global cold chain monitoring market was valued at USD 4,586.3 million in 2018 and is expected to reach USD 7,158.9 million by 2023 with a compound annual growth rate (CAGR) of 9.70% during the forecast period.

**BY COMPONENT**
- Software
- Hardware
  - RFID Devices
  - Sensors
  - Telemetry & Telematics Devices
  - Networking Equipment
- Services
  - Professional Services
  - Managed Services

**BY APPLICATION**
- IT & Telecommunication
- Electronic Manufacturing
- Education
- Automotive
- Medical
- Aerospace & Defense
- Transportation
- Agriculture

**Market Share by Region, 2017 (%)**
- NORTH AMERICA
- EUROPE
- ASIA-PACIFIC
- REST OF THE WORLD

**DRIVERS:**
- Growing need for refrigeration in the pharmaceutical sector
- Growing demand for fresh food and needs to reduce food wastage

**RESTRATNT:**
- Maintaining temperature integrity throughout the supply chain

**KEY PLAYERS:**
- NXP Semiconductors N.V. (Netherlands)
- NEC Corporation (Japan)
- ORBCOMM Inc. (US)
- Sensitech Inc. (US)
- Berlinger & Co AG (Switzerland)
- Coolvent (Iceland)
- Infratab Inc. (US)
- Monnit Corporation (US)
- Zest Labs Inc. (Ecoark Holdings) (US)
- Elpro-Buch A G (Switzerland)
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