

Germany Cold Chain Logistics - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2029)

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Abstracts

The Germany Cold Chain Logistics Market size is estimated at USD 16.92 billion in 2024, and is expected to reach USD 25.44 billion by 2029, growing at a CAGR of 8.5% during the forecast period (2024-2029).

The demand for cold chains stems from the expansion of the organized food retail industry, the demand for processed food, and rising healthcare costs. The German cold chain logistics market is driven by factors such as the growing penetration of e-commerce in the logistics industry, the increasing number of refrigerated warehouses, and the expanding pharmaceutical market.

Poor infrastructure, a lack of standardization, higher logistics costs, and a lack of control by manufacturers and retailers over logistics services impede the growth of the German cold chain logistics market. However, the increasing use of IT solutions and automated software for cold chain logistics, as well as cost savings and reduced lead times as a result of the adoption of multi-modal systems and RFID technologies for cold chain applications, are expected to provide lucrative opportunities for the growth of the German cold chain logistics market.

Germany is well-known for its robust food industry, which produces and exports a diverse range of perishable goods, including dairy products, meat, fruits, and vegetables. The cold chain logistics market is critical in maintaining the freshness and quality of these products as they travel through the supply chain.

Germany Cold Chain Logistics Market Trends

The Number of Refrigerated Warehouses is Rising, Along With the Growing Pharmaceutical Industry

As part of the European Union, Germany upholds rigorous regulatory standards for the transportation and storage of pharmaceutical products. Adherence to regulations like Good Distribution Practice (GDP) is vital, driving the need for specialized cold chain logistics services to preserve product integrity and safety across the supply chain. The rise of advanced biologics, vaccines, and other temperature-sensitive medications has heightened the need for reliable cold-chain logistics solutions to safeguard the effectiveness and stability of these treatments. The pharmaceutical sector's pivot toward personalized medicine and biopharmaceuticals further underscores the significance of temperature-controlled transportation and storage facilities.

Companies are making substantial investments in their cold chain operations, amounting to millions of dollars, to establish efficient, reliable, and secure processes. This focus is crucial as end-to-end cold chain security represents a vulnerable aspect of the system. Moreover, the logistics of pharmaceutical products and medical devices under controlled temperatures is experiencing significant growth within the healthcare logistics sector. Additionally, the emergence of intricate biological-based medicines and the transportation of hormone treatments, vaccines, and complex proteins, which demand precise cold chain management, is driving the need for temperature-controlled transportation and storage facilities. The market is also expanding due to the increasing demand for high-quality cold chain logistics services aimed at preserving the integrity of goods.

The Demand for Frozen Foods is Increasing

Germany commands the largest share of the frozen food market in Europe, driven by a preference for high-flavor, high-quality, and distinctive foods among Germans, who also prioritize avoiding excessive calorie intake. The country's thriving consumer economy and abundant natural resources have created significant opportunities in the cold chain logistics sector. The escalating demand for perishable foods, meat, seafood, and pharmaceutical products has fueled the expansion of the cold chain logistics market in Germany. Additionally, there is a notable shift among consumers from animal-based foods to plant-based alternatives, propelling growth in the frozen vegetable market. Moreover, there is a growing awareness that frozen vegetables retain more vitamins and nutrients compared to fresh ones that are refrigerated after purchase. This

awareness is gaining traction, driving younger consumers to opt for frozen vegetables.

The rising demand for chilled and frozen foods stems from various factors impacting modern households, including independent elderly individuals, the rise in dual-income households, and the growing number of single-person households. Additionally, concerns about food waste and labor shortages in the food and beverage industry contribute to this trend. According to data from the German Frozen Food Institute, per capita consumption of frozen foods was 46.1 kilograms in the previous year.

Germany Cold Chain Logistics Industry Overview

The German cold chain logistics market is fragmented and consists of a large number of local players that cater to the growing demand. The market is witnessing increasingly fierce competition in the field of e-commerce logistics. The growth in agricultural product exports in the international and domestic markets is expected to attract many international players in the warehousing and storage fields. Some of the major players in the market include Kuehne + Nagel International AG, DHL Group, A.P. Moller-Maersk A/S, Pfenning Logistics, and Eurofresh Logistics GmbH.

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