

Europe Container Terminal Operations - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

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Report description:

The Europe Container Terminal Operations Market size is estimated at USD 12.72 billion in 2024, and is expected to reach USD 15.26 billion by 2029, growing at a CAGR of 3.70% during the forecast period (2024-2029).

Key Highlights

- The main growth drivers in the container terminal operations market are increasing marine trade and container handling services. The high cost of operating ports and terminals solely constrains the market. As new technological advancements like artificial intelligence, automation, the internet of things, robotics, and others occur, new opportunities are anticipated to appear.
- Throughout its history, maritime transport drove economic growth and prosperity in Europe. Trade and relationships between all European countries are made possible through maritime transport. It provides the primary transportation means for European imports and exports to the rest of the globe and maintains energy, food, and commodities supply security. The majority of the EU's international freight commerce is carried by sea. In terms of ton-km, short sea transportation accounts for one-third of intra-EU exchanges. Quality maritime transport services are essential to maintaining a high standard of living on Europe's islands and in remote maritime regions.
- For the past few years, there were difficulties with international shipping. Once the COVID-19 pandemic arose in late 2019 and began to affect most countries' real economies globally in early to mid-2020 (Gromling, 2021), the growth of global commerce began to decelerate. Significant supply chain interruptions and logistical issues resulted from this. Demand quickly increased in 2021 as economies began to recover. International shipping routinely made headlines due to tenfold spikes in container freight prices, week-long lines in vital ports, and one-off occurrences like the Suez Canal blockage.

Europe Container Terminal Operations Market Trends

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Smart Port Infrastructure Drove the Market

Smart port infrastructure accounts for the highest share in the element segment. Smart port infrastructure includes automated mooring systems, shore power, gate automation, and smart energy & environment solutions. The smart energy & environment solution subsegment includes smart lighting, smart meters, professional services, managed services, and waste treatment & disposal units.

Maritime transport is crucial for international trade, and ocean shipping is the primary transport mode for global trade. As per UNCTAD, around 80% of the volume of international trade in goods is carried by sea, and the percentage is even higher for most developing countries. A typical port is converted into a smart port using various technologies, including artificial intelligence (AI), the internet of things (IoT), blockchain, and process automation. These technologies can be used individually or in tandem to convert the traditional infrastructure into a digital one. The smart port includes fewer human-related disruptions, lower operational costs, wiser decision-making, and more consistent performance than traditional ports. All of these advantages lead to increased production, which opens the door for a clear picture of Port 4.0.

Sustainable Smart Ports use new data environments, the maritime industry's energy transition, artificial intelligence, and green technology-based solutions. It is to improve port operational efficiency, promote energy efficiency and the sustainability of clean/renewable energy, and tap into the potential for producing clean/renewable-energy production and distribution. Therefore, increased port efficiency and reduced smart port infrastructure operating costs increased Europe's dependency on sea freight transport.

Artificial intelligence and Machine Learning is Optimizing the Logistical Operations

The maritime industries carried out several projects to investigate new digital technology. If the financial operating costs are reasonable and AI can produce more, shipowners want to reduce human-related operations as much as possible. The transition of automated and paperless processes is made possible by AI. But when it comes to analyzing and using big data to increase labor productivity, the maritime industries struggle.

The maritime sector includes many potential uses for artificial intelligence, including improving corporate operations, travel arrangements, cargo management, and ship maintenance. Shipmasters and bridge teams can monitor and forecast their vessel's positions, movements, and maneuvering hours in advance. It is due to AI-based predictive positioning systems, which will improve situational awareness, decision-making, and safety. ML/AI technologies include a positive economic impact on a shipping company's utilization, optimization, and productivity growth-for instance, a fuel optimization system, one for freight handling time optimization, and others.

Europe Container Terminal Operations Industry Overview

The Europe container terminal operations market is fragmented, with a mix of global and regional players. Some logistics players are expanding logistics hubs in Central Europe and serving Eastern European countries. Viking Line, Rhenus Group, Mediterranean Shipping Company S A, Construction Navale Bordeaux, MEYER WERFT GmbH & Co., KG, Bayliner, Ports America Inc, and SSA Marine are market participants in Europe Container Terminal Operations Market.

Manufacturers and service providers prioritize customer happiness, capacity growth, and fleet modernization to increase market share. The enterprises can thrive in this fiercely competitive market by keeping constant touch with shipping companies throughout the region.

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Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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