

Global Connected and Smart Ship Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Connected and Smart Ship market size is expected to reach \$ 8168 million by 2032, rising at a market growth of 6.0% CAGR during the forecast period (2026-2032).

Connected Smart Ships are a new generation of intelligent ship systems that integrate advanced technologies such as the Internet of Things (IoT), artificial intelligence, big data, satellite communication, automated control, and digital twins. By comprehensively interconnecting the ship's power system, navigation equipment, cargo management, energy system, and ship-to-shore communication platform, they achieve real-time monitoring, remote control, and intelligent decision-making regarding the ship's operational status. These ships typically integrate AIS, radar, sensor networks, cloud platforms, and intelligent navigation systems, enabling dynamic analysis of route optimization, fuel consumption, equipment health status, sea state changes, and safety risks, thereby improving shipping efficiency, safety, and energy utilization. Connected Smart Ships not only support predictive maintenance, automatic fault diagnosis, and intelligent energy efficiency management, but also enable collaborative operations with smart ports, maritime intelligence platforms, and global supply chain systems. They are widely used in merchant ships, container ships, oil and gas tankers, offshore vessels, and naval vessels. With the development of digital and low-carbon shipping, connected smart ships are gradually evolving towards high automation, remote control, and autonomous navigation.

The global Connected and Smart Ship market has experienced rapid growth in recent years, exhibiting a pattern of ?European technology leadership, Asian shipbuilding and application expansion, and North American accelerated digital shipping innovation.? Europe, leveraging its advanced maritime industrial system, green shipping policies,

and autonomous navigation technology development, maintains a leading position in intelligent navigation, digital fleet management, and low-carbon ship technology. Asia, relying on its global shipbuilding capabilities, port digitalization upgrades, and growing international trade and transportation demands, has become a crucial market for smart ship construction and commercial applications. North America, on the other hand, focuses more on the development of satellite communications, maritime intelligence, cybersecurity, and smart shipping software platforms. Currently, the industry is upgrading towards ship-shore collaboration, AI-powered autonomous navigation, digital twins, remote operation and maintenance, and low-carbon energy conservation. Smart ships are gradually evolving from simple automated equipment integration into important nodes in the global digital shipping ecosystem. However, the industry still faces challenges such as the high cost of high-end sensors and communication systems, the lack of complete unification of international maritime regulations and standards, increasing cybersecurity risks, and insufficient reliability of autonomous decision-making in complex sea conditions. In the future, with the advancement of 5G maritime communications, satellite internet, green shipping, and smart port construction, connected and intelligent ships will further develop towards high automation, platformization, and autonomous navigation.

This report studies the global Connected and Smart Ship demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Connected and Smart Ship, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Connected and Smart Ship that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Connected and Smart Ship total market, 2021-2032, (USD Million)

Global Connected and Smart Ship total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Connected and Smart Ship total market, key domestic companies, and share, (USD Million)

Global Connected and Smart Ship revenue by player, revenue and market share 2021-2026, (USD Million)

Global Connected and Smart Ship total market by Type, CAGR, 2021-2032, (USD Million)

Global Connected and Smart Ship total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Connected and Smart Ship market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ABB, Emerson, GE, Hyundai Heavy Industries, Kongsberg Gruppen, Marlink, Northrop Grumman, RH Marine, Rockwell Automation, Schneider Electric, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Connected and Smart Ship market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Connected and Smart Ship Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Connected and Smart Ship Market, Segmentation by Type:

Smart Cargo Ships

Smart Container Ships

Smart Tankers

Smart Passenger Ships and Cruise Vessels

Smart Offshore Support Vessels

Smart Naval and Defense Ships

Global Connected and Smart Ship Market, Segmentation by Technology:

IoT-Enabled Smart Ships

AI-Based Autonomous Ships

Digital Twin Smart Ships

Satellite-Connected Smart Ships

Others

Global Connected and Smart Ship Market, Segmentation by DWT:

Small Smart Ships??5,000 DWT?

Medium Smart Ships?5,000?50,000 DWT?

Large Smart Ships?50,000?150,000 DWT?

Ultra-Large Smart Ships??150,000 DWT?

Global Connected and Smart Ship Market, Segmentation by Application:

Commercial

Defense

Companies Profiled:

ABB

Emerson

GE

Hyundai Heavy Industries

Kongsberg Gruppen

Marlink

Northrop Grumman

RH Marine

Rockwell Automation

Schneider Electric

Siemens

Ulstein

Valmet

Wärtsilä

Mitsubishi Heavy Industries

Furuno Electric

L3Harris Technologies

China State Shipbuilding Corporation

COSCO Shipping Technology

Samsung Heavy Industries

Key Questions Answered

1. How big is the global Connected and Smart Ship market?
2. What is the demand of the global Connected and Smart Ship market?
3. What is the year over year growth of the global Connected and Smart Ship market?
4. What is the total value of the global Connected and Smart Ship market?
5. Who are the Major Players in the global Connected and Smart Ship market?
6. What are the growth factors driving the market demand?

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