

Global Cognitive Electronic Warfare System Market Size study, by Capability (Electronic Attack, Electronic Protection, Electronic Support, Electronic Intelligence) By Platform (Naval, Airborne, Land, Space) and Regional Forecasts 2022-2032

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Abstracts

Global Cognitive Electronic Warfare System Market is valued at approximately USD 18.53 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 14.41% over the forecast period 2024-2032. Cognitive Electronic Warfare System is an advanced electronic warfare system that employs cognitive or artificial intelligence techniques to enhance its capabilities. These warfare systems were integrated with advanced signal processing techniques, machine learning algorithms, and decision-making capabilities to analyze vast amounts of data and make informed decisions rapidly. The rising focus on software-defined systems is gaining attention in the Global Cognitive Electronic Warfare System Market. Software-defined systems facilitate interoperability and seamless integration with other electronic warfare assets and military systems. These architectures allow for standardized interfaces and protocols, enabling easier integration with existing infrastructure and future systems.

The Global Cognitive Electronic Warfare System Market is driven by the rise in territorial conflicts & geopolitical instabilities and increasing demand for artificial intelligence (AI)-enabled warfare system across the world. Geopolitical tensions and uncertainties lead nations to bolster their defense capabilities, including electronic warfare systems, as a means of safeguarding their sovereignty and interests. The unpredictability of global politics drive defense spending and investments in advanced electronic warfare technologies to maintain military readiness and strategic deterrence. In addition, artificial intelligence enables these systems to adapt in real-time to dynamic threats, improve situational awareness, and optimize response strategies, thus enhancing

overall military effectiveness. However, the high cost of cognitive electronic warfare systems and vulnerability towards potential cyber threats is going to impede the overall demand for the market during the forecast period 2024-2032.

The key regions considered for the Global Cognitive Electronic Warfare System market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the largest regional market in terms of revenue owing to factors such as the rising number of military modernization projects across the region. Military modernization projects involve the adoption of cutting-edge technologies to enhance defense capabilities. Cognitive electronic warfare systems, which leverage advanced algorithms and AI to rapidly analyze and respond to electronic threats, are at the forefront of this technological evolution. Furthermore, the market in Asia Pacific is expected to develop at the fastest rate over the forecast period 2024-2032.

Major market players included in this report are:

BAE Systems plc
Israel Aerospace Industries Ltd
Northrop Grumman Corporation
General Dynamics Corporation
Raytheon Technologies Corporation
Elbit Systems Ltd
SAAB AB
Leonardo S.p.A.
Cobham Advanced Electronic Solutions Inc
L3Harris Technologies Inc

The detailed segments and sub-segments of the market are explained below:

By Capability

Electronic Attack
Electronic Protection
Electronic Support
Electronic Intelligence

By Platform

Naval
Airborne
Land
Space

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

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