

# **Digital Battlefield Market by Solution (Hardware, Software, Service) Platform (Airborne, Naval, Land, Space), Application, Technology (Artificial Intelligence, IOT, Big Data, 5G, Cloud Computing and Master Data Management), Region - Global Forecast to 2030**

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## **Abstracts**

The global digital battlefield market is estimated at USD 43.2 billion in 2022 and is projected to reach USD 154.1 billion by 2030, at a CAGR of 17.2% from 2022 to 2030. The diverse geopolitical conditions in the economies of North America, Europe, Asia Pacific, the Middle East, Latin America, and Africa are responsible for the rapidly changing dynamics of the digital battlefield market. The increased frequency of border conflicts and terrorism in these areas also affects the market for digital battlefield goods, services, and solutions. In order to improve situational awareness and surveillance during combat scenarios, governments and defense agencies all over the world are implementing digital battlefield technologies.

Few well-known companies dominate the digital battlefield sector, including Lockheed Martin Corporation (US), Raytheon Technologies Corporation (US), Northrop Grumman Corporation (US), BAE Systems (UK), and Thales Group (US). These competitors have expanded their business operations over a number of nations, including North America, Europe, Asia Pacific, the Middle East, Africa, and Latin America.

Based on platform, During the forecast period, the digital battlefield market's space sector is anticipated to experience the greatest CAGR.

Platform-wise, the market is divided into airborne, ground, naval, and space categories.

According to CAGR, the space industry is anticipated to lead, with the highest CAGR between 2022 and 2030. Digital battlefield technologies installed on the space platform allow for the mapping of objects in real-time throughout the Earth and support satellite communication systems. This will greatly aid the space segment's expansion. According to projections, the airborne category will dominate the digital battlefield industry from 2022 through 2030. The increase in defense forces' preference for digital battlefield products & systems is blamed for the expansion of the airborne market.

The digital battlefield market by installation's new procurement sub segment is anticipated to grow at the greatest CAGR due to a growing global emphasis on installing defense equipment.

The new procurement segment is anticipated to dominate the digital battlefield market from 2022 to 2030, based on installation. Increased installation of cutting-edge defensive systems and growing purchases of digital battlefield goods for combat forces are to blame for the development in the new procurement segment. Due to defense forces' increased efforts to modify and modernize outdated military electronic equipment in order to acquire a competitive advantage over potential threats and enemy attacks, the upgrades market will experience significant development.

“North America: The largest contributing region in the digital battlefield market.”

From 2022 to 2030, the digital battlefield market's highest share is anticipated to come from the North American market.

For market analysis in the North American region, the US and Canada are important nations to take into account. Due to growing investments in digital battlefield technologies by governments in this region, this region is anticipated to dominate the market from 2022 to 2030. With its robust economy and aggressive military policy, the US is acknowledged as one of the leading consumers and adopters of digitalization in the defense industry. Amazon, Google, Microsoft, IBM, Cisco, Raytheon, and Palantir are important US producers and developers of digital battlefield products and services. The US has always depended on its advanced technology and rigorous training and professionalization standards to make up for its numerical disadvantage. As global competitors like China make significant investments to strengthen their capabilities, this advantage is increasingly eroding. The US is now being forced to expand its capabilities quickly as a result. In the North American region, the market growth will be greatly aided by this.

In August 2022, A \$15 million contract from the U.S. Army was given to Lockheed Martin and General Dynamics Mission Systems to create concepts for the electronic warfare platform Terrestrial Layer System-Echelons Above Brigade. The EAB is an electromagnetic assault and collecting system that combines electronic warfare, cyber, and signal intelligence capabilities. Combining all the system's capabilities, it is possible to provide soldiers with information about their surroundings over vast distances.

In July 2022, as part of a multi-level security effort to provide the creation and management of systems as a unified force across all domains, the US Air Force has awarded Shreveport, Louisiana-based Praeses a contract worth up to \$950 million for the Joint All Domain Command and Control environment (air, land, sea, space, cyber and electromagnetic spectrum).

The break-up of the profile of primary participants in the Digital battlefield market:

By Company Type: Tier 1 – 35%, Tier 2 – 45%, and Tier 3 – 20%

By Designation: C Level – 35%, Director Level – 25%, and Others – 40%

By Region: North America – 25%, Europe – 15%, Asia Pacific – 45%, Middle East – 10%, RoW – 5%

Major companies profiled in the report include BAE Systems (UK), Northrop Grumman Corporation (US), Raytheon Technologies Corporation (US), Lockheed Martin Corporation (US), Thales Group (US), L3Harris Technologies, Inc. (US), and Israel Aerospace Industries (Israel). (25 Companies)

Research Coverage:

This research report categorizes the Digital battlefield market basis of Technology (Artificial Intelligence, 3D printing, Internet of Things, Big Data Analytics, Robotic Process Automation, Cloud Computing & Master Data Management, Digital Twin, Blockchain, AR & VR, 5G), Application (Warfare Platform, Cyber Security, Logistics & Transportation, Surveillance & Situational Awareness, Command & Control, Communication, Health Monitoring, Simulation & Training, Design And Manufacturing, Predictive Maintenance, Threat Monitoring, Real-Time Fleet Management, Electronic Warfare), Platform (Land, Naval, Airborne, Space, Installation), Solution (Hardware, Software, Services), major regions, namely, North America, Europe, Asia Pacific,

Middle East, Latin America, and Africa. The scope of the report covers detailed information regarding the major factors, such as drivers, challenges, and opportunities, influencing the growth of the Digital battlefield market. A detailed analysis of the key industry players has been done to provide insights into their business overviews; solutions and services; key strategies; new product launches, contracts, partnerships, collaborations, expansions, acquisitions, and new product development associated with the Digital battlefield market.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall Digital battlefield market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and to plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

**Market Penetration:** Comprehensive information on Digital battlefield offered by the top players in the market

**Product Development/Innovation:** Detailed insights on upcoming technologies, research & development activities, and new product launches in the Digital battlefield market

**Market Development:** Comprehensive information about lucrative markets – the report analyses the Digital battlefield market across varied regions

**Market Diversification:** Exhaustive information about new products, untapped geographies, recent developments, and investments in the Digital battlefield market

**Competitive Assessment:** In-depth assessment of market shares, growth strategies, products, and manufacturing capabilities of leading players in the Digital battlefield market

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##### 9.2.1 MILITARY FIGHTING VEHICLES (MFVS)

9.2.1.1 Rising demand for MFVs for use in cross-border conflicts

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9.2.2.1 Increasing demand for self-driven ground vehicles embedded with advanced military equipment and technologies

### 9.2.3 WEAPON SYSTEMS

9.2.3.1 Rising preference for weapon systems to enhance combat power

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9.2.4.1 Increasing need for cybersecurity to protect headquarters & command centers

### 9.2.5 DISMOUNTED SOLDIER SYSTEMS

9.2.5.1 Growing requirement for support systems for dismounted soldiers

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9.3.1.1 Heavy spending on destroyers by US, Saudi Arabia, and Germany

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9.3.3.1 Adoption of UUVs for defense applications aids market growth

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9.4.1.1 Increasing procurement of advanced fighter aircraft for combat missions to drive market growth

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9.5.1.1 Exponential increase in frequency of CubeSat launches

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9.5.2.1 Growing focus on enhancing surveillance and security capabilities and reducing attack response time

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11.2.1.1 Communication devices

11.2.1.2 Wearable devices

11.2.1.2.1 Smart clothing

11.2.1.2.2 Exoskeletons

11.2.1.2.3 Smart helmets

11.2.1.3 Imaging devices

11.2.1.4 Display devices

11.2.1.5 Tracking devices

11.2.1.6 Computer hardware devices

11.2.1.7 Data distribution units

11.2.1.8 Night vision devices

11.2.1.9 RFID

11.2.1.10 3D printers

11.2.1.11 Others (Wi-Fi devices, terminals)

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11.3.1 ENABLES INTEGRATION OF MULTIPLE SENSORS WITH SINGLE COMMAND SYSTEM

11.3.1.1 Command & control software

11.3.1.2 Military situational awareness

11.3.1.3 Security management

11.3.1.4 Inventory management

11.3.1.5 Fleet management

11.3.1.6 Weapon integration

11.3.1.7 Robotic process automation

11.3.1.8 Others

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#### 11.4.1 PROVIDE SUPPORT FOR SOFTWARE UPGRADES AND ADDITION OF NEW ALGORITHMS

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12.2.2.1 Modernization programs and defense policies increase demand for digitalization

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#### 12.3.2.1 Modernization of military programs underway

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TABLE 139 UK: DIGITAL BATTLEFIELD MARKET, BY APPLICATION, 2018–2021  
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TABLE 141 UK: DIGITAL BATTLEFIELD MARKET, BY TECHNOLOGY, 2018–2021

(USD MILLION)

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(USD MILLION)

### 12.3.3 FRANCE

12.3.3.1 Heavy investment in research & development to drive market

FIGURE 47 FRANCE: MILITARY SPENDING, 2016–2020 (USD BILLION)

TABLE 143 FRANCE: DIGITAL BATTLEFIELD MARKET, BY PLATFORM, 2018–2021  
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TABLE 149 FRANCE: DIGITAL BATTLEFIELD MARKET, BY TECHNOLOGY,  
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TABLE 150 FRANCE: DIGITAL BATTLEFIELD MARKET, BY TECHNOLOGY,  
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12.3.4.1 Digitization to boost market growth

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TABLE 158 GERMANY: DIGITAL BATTLEFIELD MARKET, BY TECHNOLOGY, 2022–2030 (USD MILLION)

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TABLE 166 RUSSIA: DIGITAL BATTLEFIELD MARKET, BY TECHNOLOGY, 2022–2030 (USD MILLION)

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12.3.6.1 Upgrade of defense equipment and introduction of new platforms to boost market

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TABLE 174 ITALY: DIGITAL BATTLEFIELD MARKET, BY TECHNOLOGY, 2022–2030

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12.3.7.1 Surge in border disputes to increase demand for military procurement

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TABLE 176 REST OF EUROPE: DIGITAL BATTLEFIELD MARKET, BY PLATFORM,  
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12.4.2.1 Growing focus on developing advanced weaponry to ensure border security

FIGURE 52 INDIA: MILITARY SPENDING, 2016–2021 (USD BILLION)

TABLE 193 INDIA: DIGITAL BATTLEFIELD MARKET, BY PLATFORM, 2018–2021  
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TABLE 198 INDIA: DIGITAL BATTLEFIELD MARKET, BY APPLICATION, 2022–2030  
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TABLE 199 INDIA: DIGITAL BATTLEFIELD MARKET, BY TECHNOLOGY, 2018–2021  
(USD MILLION)

TABLE 200 INDIA: DIGITAL BATTLEFIELD MARKET, BY TECHNOLOGY, 2022–2030  
(USD MILLION)

#### 12.4.3 CHINA

12.4.3.1 Increasing expenditure on military equipment to drive market

FIGURE 53 CHINA: MILITARY SPENDING, 2016–2021 (USD BILLION)

TABLE 201 CHINA: DIGITAL BATTLEFIELD MARKET, BY PLATFORM, 2018–2021  
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TABLE 208 CHINA: DIGITAL BATTLEFIELD MARKET, BY TECHNOLOGY, 2022–2030 (USD MILLION)

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12.4.4.1 Continuous efforts to strengthen combat capabilities

FIGURE 54 JAPAN: MILITARY SPENDING, 2016–2020 (USD BILLION)

TABLE 209 JAPAN: DIGITAL BATTLEFIELD MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

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TABLE 216 JAPAN: DIGITAL BATTLEFIELD MARKET, BY TECHNOLOGY, 2022–2030 (USD MILLION)

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12.4.5.1 Vision to digitally transform defense sector drives market

FIGURE 55 SOUTH KOREA: MILITARY SPENDING, 2016–2020 (USD BILLION)

TABLE 217 SOUTH KOREA: DIGITAL BATTLEFIELD MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

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TABLE 223 SOUTH KOREA: DIGITAL BATTLEFIELD MARKET, BY TECHNOLOGY,

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TABLE 224 SOUTH KOREA: DIGITAL BATTLEFIELD MARKET, BY TECHNOLOGY,  
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12.4.6.1 High demand for modern digital technologies in military equipment

FIGURE 56 AUSTRALIA: MILITARY SPENDING, 2016–2020 (USD BILLION)

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TABLE 229 AUSTRALIA: DIGITAL BATTLEFIELD MARKET, BY APPLICATION,  
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TABLE 232 AUSTRALIA: DIGITAL BATTLEFIELD MARKET, BY TECHNOLOGY,  
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12.4.7.1 Modernized militaries and heavy spending on R&D to boost market

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TABLE 234 REST OF ASIA PACIFIC: DIGITAL BATTLEFIELD MARKET, BY  
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TABLE 236 REST OF ASIA PACIFIC: DIGITAL BATTLEFIELD MARKET, BY  
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TABLE 237 REST OF ASIA PACIFIC: DIGITAL BATTLEFIELD MARKET, BY  
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TABLE 240 REST OF ASIA PACIFIC: DIGITAL BATTLEFIELD MARKET, BY

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12.5 MIDDLE EAST & AFRICA

12.5.1 PESTLE ANALYSIS: MIDDLE EAST & AFRICA

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