

15.7% CAGR | Digital Battlefield Market Size to Generate \$156.8 Billion by 2031

Increase in adoption of 5G network for high-speed data collection, rapid developments in robotics technologies, big data analytics and artificial intelligence.

WILMINGTON, DE, UNITED STATES, September 3, 2025 /EINPresswire.com/ -- [Digital battlefield market size](#) was generated \$38.0 billion in 2021, and is estimated to generate \$156.8 by 2031, witnessing with a CAGR of 15.7% from 2022 to 2031.



Increase in adoption of 5G network for high-speed data collection, rapid developments in robotics technologies, big data analytics and artificial intelligence, and strong budget for military and defense drive the growth of the global digital battlefield market. However, huge investment required in early phase of digitization, concerns over possibility of errors in complex warfare situations hamper the global market growth. On the other hand, rise in need for digital battlefield devices in defense and introduction of new generation missile & air defense system are likely to create potential opportunities for growth of the global market in the coming years.

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The digital battlefield market is estimated to grow at a CAGR of 15.7% from 2022 to 2031, as defense forces have growing demand to analyze, process, and identify the essential data from different sources to deliver more effective situational awareness to decision-makers in combat operations, this is estimated to reinforce the demand for digital battlefield products and technologies. The success of an individual naval military, land and air operations depends on the correctness of situational awareness intelligence. The digital battlefield includes surveillance & reconnaissance, advanced intelligence technologies incorporated with command & control capabilities, that provide maritime, ground and air solutions with situational awareness information for real-time decision-making. Such factors are expected to support the global sales

of the digital battlefield over the projected timeframe.

Artificial intelligence, big data analytics and robotics technologies are turning into a part of defense organizations driven by the ease of data from digital battlefield sources like C4ISR (Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance). Defense and military sectors are gradually spending on information and analytics processing to improve capabilities of artificial intelligence in the digital battlefield.

IoT in military resonates the networking of a few integrative regions like programming information and designs, radio range, energy productivity, web innovation, information sensor frameworks, investigation, versatile processing, installed equipment, networks, the board. The rapid extension of internet of things (IOT) is endorsed by plunging expenditures and large-scale design of progressively huge microelectronics like sensors, handling units, and collectors.

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The advancement in big data technologies has undoubtedly been helpful to the defense sector of several countries including the US, Russia, and China. It has supported the access to huge volumes of data and the ability to scale ingestion. The strong network is needed to collect the data and keep all the defense and military devices connected. Defense and militaries can influence big data analytics on large datasets to provide meaningful results and insights.

Based on region, North America was the largest market in 2021, capturing nearly three-fifths of the global digital battlefield market share and lead in terms of revenue during the forecast period. The growth in the region can be attributed to the extensive adoption of advanced digital battlefields and growth in army demand for warfare products. However, the digital battlefield market in Asia-Pacific is expected to manifest the fastest CAGR of 22.1% during the forecast period, owing to the high adoption of digital battlefield solutions in the region.

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Leading Market Players

Lockheed Martin Corporation
Rheinmetall AG
Teledyne FLIR LLC
Northrop Grumman Corporation
L3Harris Technologies, Inc.
Leonardo S.P.A.
Elbit Systems Ltd.
Booz Allen Hamilton Inc.

Raytheon Technologies Corporation
Atos SE

The report analyzes these key players of the global [digital battlefield industry](#). These players have adopted various strategies such as expansion, new product launches, partnerships, and others to increase their market penetration and strengthen their position in the industry. The report is helpful in determining the business performance, operating segments, product portfolio, and developments by every market player.

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David Correa
Allied Market Research
+ +1 800-792-5285
[email us here](#)

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