# Aerospace

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Airport Information Systems Market by End Use (Passenger, Non-Passenger), Type (Airside, Terminal Side), Airport (Class A, B, C, D), Application (Finance & Operations, Maintenance, Ground Handling, Security), Region - Global Forecast to 2023

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The airport information systems market is projected to grow from USD 3.69 billion in 2018 to USD 4.37 million by 2023, at a CAGR of 3.41% from 2018 to 2023. The need to enhance the passenger experience at airports, upgrade the existing airports, and increase the number of greenfield airports are factors expected to lead to the growth of the airport information systems market across the globe. However, the high investment costs involved in the deployment of airport information systems are expected to restrain the growth of the airport information systems market, globally.

"The class B airports segment of the airport information systems market is projected to grow at the highest CAGR during the forecast period."

Based on airport, the class B airports segment of the airport information systems market is projected to grow at the highest CAGR from 2018 to 2023. The growth of the class B airports segment can be attributed to the increased air passenger traffic from small cities, which has led to the requirement for expanding and upgrading airports.

Chile Arms and Ammunition Market: Focus on Weapons, Firearms, Ammunition and Accessories - Analysis and Forecast, 2018-2022

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The arms and ammunition market in Chile has exhibited a robust growth in the recent past. The rise in illegal drug trade in bordering nation and rising demand for arms and ammunition from the tourism industry have caused the government to strengthen law enforcement agencies and military forces. The competitive landscape includes market players supplying arms and ammunition to Chile from all over the world. Factors such as cost, innovation and development, and ease of accessibility have been significant for gaining growth in the arms and ammunition market in Chile. Additionally, increased demand for small arms and ammunition for purposes such as hunting, and sporting is expected to drive the growth of small arms and ammunition during the forecast period.

The following points provide a concrete description of the topics covered in the report:

• This report identifies the arms and ammunition market in Chile across different categories such as military weapons, revolvers and pistols, firearms and similar devices, spring/gas guns or pistols, parts and accessories for weapons, bombs and grenades, and small caliber ammunition.
• The report mentions about key market players for each category of arms and ammunition imported in the Chile market.
• There is an additional focus on small caliber ammunition market. The report provides expected value and volume of imports for small caliber ammunition by both brand and caliber types during the forecast period.
The arms and ammunition market in Paraguay has exhibited a stable growth in the recent past. The rising demand for arms and ammunition from the tourism industry is expected to drive the growth of the market during the forecast period. The competitive landscape includes market players supplying arms and ammunition to Paraguay from all over the world. Factors such as cost, innovation and development, and ease of accessibility have been significant for gaining growth in the arms and ammunition market in Paraguay.

The following points provide a concrete description of the topics covered in the report:

- This report identifies the arms and ammunition market in Paraguay across different categories such as military weapons, revolvers and pistols, firearms and similar devices, spring/gas guns or pistols, parts and accessories for weapons, bombs and grenades, and small caliber ammunition.
- The report mentions about key market players for each category of arms and ammunition imported in the Paraguay market.
- There is an additional focus on small caliber ammunition market. The report provides expected value and volume of imports for small caliber ammunition by both brand and caliber types during the forecast period.

The arms and ammunition market in Peru has exhibited a robust growth in the recent past. The rise in city crimes and illegal drug trade has caused the government to strengthen law enforcement agencies and military forces. The competitive landscape includes market players supplying arms and ammunition to Peru from all over the world. Factors such as cost, innovation and development, and ease of accessibility have been significant for gaining growth in the arms and ammunition market in Peru. Additionally, increased demand for small arms and ammunition for purposes such as hunting, and sporting is expected to drive the growth of small arms and ammunition during the forecast period.
Greece’s strained relationship with Turkey over the long standing territorial dispute in Cyprus, along with sovereignty rights issue in the Gulf of Aegean and military modernization initiatives is expected to drive the Greek defense expenditure. As a percentage of GDP, the country’s defense budget is expected to average 1.6% over the forecast period.

Greek military expenditure, values US$3.6 billion in 2018, and registered a CAGR of -4.16% during the historic period. However, over the forecast period, the Greek defense expenditure is projected to increase at a CAGR of 2.82% to value US$4.2 billion in 2023. During the same time, the capital expenditure allocation, is projected to increase to an average of 17.5% over 2019-2023.

This increase is primarily due to the procurement of advanced defense equipment and a focus on increasing the capabilities of the country’s indigenous defense industry. Various procurements that are expected to fuel the growth of capital spending over the forecast period include frigates, corvettes, and multi-role aircraft modernization and MRO services. The country’s lack of domestic defense capabilities juxtaposed to the extensive capabilities of its rival Turkish military, have forced Greece to procure sophisticated defense systems from foreign OEMs in order to strengthen the country’s strategic assets and protect critical infrastructure.
Airfreight forwarders facilitate the transportation of goods for many industries, both domestically and internationally at certain charges.

Technavio’s analysts forecast the global airfreight forwarding market to grow at a CAGR of 4.07% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global airfreight forwarding market for 2018-2022. To calculate the market size, the report considers the revenue generated from the use of airfreight forwarding across several end-user industries.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio’s report, Global Airfreight Forwarding Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
Space Robotics Market by Solution, Services (Satellite Servicing, On-orbit Assembly & Manufacturing, De-orbiting Services, Re-supply, Surface Mobility, & Launch Support), Application, End-User, and region - Global Forecast to 2023

Published by MarketsandMarkets

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The space robotics market is estimated to be USD 2.88 billion in 2018 and is projected to reach USD 4.36 billion by 2023, at a CAGR of 8.64% from 2018 to 2023. Increased investments in space exploration missions, growing demand for geostationary satellite servicing, and on-orbit manufacturing and assembly, debris removal and technological advancements in autonomous systems are key factors anticipated to drive the growth of the space robotics market. Growth can also be attributed to the increasing demand for space robotics solutions from commercial, government, organizations, space agencies, defense organizations, and satellite operators as well as NewSpace companies.

Commercial end user segment is estimated to account for the largest share of the space robotics market in 2018

Based on end user, the commercial segment is estimated to account for the largest share of the space robotics market in 2018. Growing demand for extending the lifetimes of existing geostationary satellites are expected to lead to the high demand for space robotics. Another factor contributing to the growth of the commercial segment is the high demand for on-orbit manufacturing and assembly operations, and robotic solutions for space exploration activities.

Drones 2018-2038: Components, Technologies, Roadmaps, Market Forecasts

Published by IDTechEx Ltd.

Price
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USD 7795 PDF Download (6-10 Users) and 1 Hardcopy

www.giiresearch.com/ce/716062

This report provides a comprehensive analysis of the drone market, considering components, technologies, application roadmaps and markets. This report takes short-, medium- and long-term views. More specifically it provides the following:

Business trends in the drone industry: Here, we consider annual investment in 120 drone hardware and/or software companies. We clearly show that investment rose rapidly then peaked, consistent with the hype curve. We also clearly show that the composition of the investment shifted, emphasising software/service at the expense of the commoditized hardware. We explore the impact of the price wars in the drone business landscape. Here, we show that the leading suppliers effectively forced an industry consolidation, leaving others with no choice but to give up their hardware play and/or to rethink their strategies to find a differentiated offering in a specific commercial drone and/or software/service space. We offer insights into how future dynamics are likely to unfold.

The fiber optic cables market for military and aerospace is estimated to be USD 1.82 billion in 2018 and is projected to reach USD 2.00 billion by 2023, at a CAGR of 1.93% from 2018 to 2023. Growth of the fiber optic cables market for military and aerospace can be attributed to the increasing commercial adoption of fiber optics and growth in platforms, such as unmanned systems, space launch vehicles, and satellites. Fiber optic cables are prone to damage and transmission loss which may restrain growth of the market.

Based on end use, the military segment is estimated to lead the fiber optic cables market for military and aerospace in 2018.

Electronic warfare involves the capabilities to leverage the electromagnetic spectrum signals such as radio, infrared, and radar to identify, protect, and counter any incoming threats through them. An electronic warfare system includes a comprehensive range of electronic warfare products such as airborne jammers, high energy lasers, electronic countermeasures, and other decoys that can detect hostile radar activity and mislead enemy air defense systems.

Technavio’s analysts forecast the global electronic warfare market to grow at a CAGR of 5.46% during the period 2018-2022.
**Military Armoured Vehicle Market Report 2018-2028: Forecasts by Product (Main Battle Tank, Medium Armoured Vehicle, Light Protected Vehicle, Mine-Resistant Ambush-Protected, Other), Forecasts by Type (Wheeled, Tracked), and by Leading National Markets**

Published by Visiongain Ltd  
Pub. Date 2018/09/27

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GBP 6999 PDF (Global Site License - Includes Free Datasets)

www.giiresearch.com/ce/369112

The arms race developing between east and west, has led Visiongain to publish this timely report. The Armoured Vehicle market is expected to flourish in the next few years because of Russian and Chinese advances and also because platform life cycle expiry is expected to feed through in the latter part of the decade driving growth to new heights. If you want to be part of this growing industry, then read on to discover how you can maximise your investment potential.

Report highlights:

Analysis of key players in Armoured Vehicles

- AM General
- General Dynamics Corporation
- Oshkosh Corporation
- Textron Inc.
- BAE Systems plc
- Navistar International Corporation
- Rheinmetall AG
- Thales Group

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**Sensor Innovations Driving Future of Aerospace and Defense**

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The aerospace and defense industry is influenced today by the Industrial Internet of Things (IIoT). IIoT is built with sensors, providing enhanced device and application connectivity. Although robotics, Big Data analytics, and predictive analytics play a big role in the aerospace and defense space, sensors are the game changers. Data generated from all the innovative sensor technologies are combined to give rise to novel enhancements in the aerospace and defense sector - be it commercial and/or the research held in universities. Sensor innovations allow remote, real-time sensing and monitoring along with more detailed detection of information and improved processes in the aerospace and defense sector.

- Exchanging information and integrating real-time monitoring via digitization and sensor proliferation.
- Distributing the accurate information and resources at the right time based on deep awareness gained through the data collected.

Safety is a key area which will determine the efficiency and usage level of sensors in aerospace and defense. Also, the rising need for sensors that exhibit reliability and resilience under extreme environmental conditions will be a key driving factor for development of rugged sensors in defense and aerospace.
The study highlights contracts by the services department and C4ISR technologies, with the leading competitors for each area. This competitive market landscape is provided to show the best opportunities for growth and penetration into the DoD C4ISR market. Electronic Warfare (EW) and Information Operations (IO) contracts are also included in this research, as they are closely related to C4ISR. EW/IO gains frequency spectrum and information systems dominance.

C4ISR contract categories, including research, development, testing, and evaluation (RDT&E); procurement; operations and maintenance (O&M); and services, are included. The intent of this study is to indicate the segments of products and services that the DoD has emphasized in contracting, so that firms can invest in these priority areas. Contract activities for the US DoD for 2017 have been included, along with market leaders in the various C4ISR technology areas.

More than 480 companies received 1,232 new prime DoD C4ISR contracts during 2017 for research, products, and services. The competitive analysis portion of this research focuses on the overall top 10 companies for DoD C4ISR, the top 10 by military department, and the top 10 by technology area. Contracts are from publicly available information only. Classified programs have not been included.

Helicopter-based transportation is used to move passengers and cargo to and from places that have the inadequate infrastructure for the use of other types of transportation methods.

Technavio’s analysts forecast the global helicopter-based transportation market to grow at a CAGR of 1.78% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global helicopter-based transportation market for 2018-2022. To calculate the market size, the report considers the revenue generated from the use of helicopter-based transportation across several industries

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio’s report, Global Helicopter-Based Transportation Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
Drone Technology and Global Markets

The global drone market should reach $52.2 billion by 2023 from $23.6 billion in 2018 at a compound annual growth rate (CAGR) of 17.2% for the period of 2018-2023.

The defense industry of the global drone market is expected to grow from $14.4 billion in 2018 to nearly $30.0 billion in 2023 at a CAGR of 15.8% for the period of 2018-2023.

The logistics and warehousing industry of the global drone market is expected to grow from $2.4 billion in 2018 to $6.5 billion in 2023 at a CAGR of 21.9% for the period of 2018-2023.

Report Scope:

The scope of the report includes an overview of the global market for drones as well as analyses of global market trends, with data from 2016 and 2017, the latter considered the base year, as well as estimates for 2018 through 2023, with projections of CAGR in the forecast period.

The report includes a discussion of technological, regulatory and competitive elements as well as economic trends affecting the market. It also explains the major drivers and regional dynamics of the global drone market and current trends within the industry.

Aviation Cyber Security Market Report 2018-2028

The latest attempts at cyber-attacks within the aviation industry have led Visiongain to publish this unique report, which could be crucial to your company's improved success.

Aviation cyber security solutions are software suites designed to defend aviation networks, computers, and databases from cyber-attacks and unauthorized access. As the burgeoning global aviation industry becomes more dependent on information technology (IT) solutions and digital technologies to meet the continuously rising consumer base and changes in consumer preferences, cyber security has become a serious and urgent concern. Cyber-attackers are becoming more sophisticated in the ways they attack aviation systems and companies in the aviation market are leaving no stone unturned to make their systems comprehensively secured to ensure smooth operations and high-quality services to their consumers.

The global aviation cyber security market will reach $2,691m in 2018.

If you want to be part of this growing industry, then read on to discover how you can maximise your investment potential.

This report evaluates the market outlook for global aviation cyber security, detailing its size, outlook and prospective growth segmented into four submarkets and five regions for the forecast period 2018-2028.
**Small Drones Market by Type (Fixed-Wing, Rotary-Wing, Hybrid/Transitional), Application, MTOW (<5 kg, 5-25 kg, 25-150 kg), Payload (Camera, CBRN Sensors, Electronic Intelligence Payload, Radar), Power Source, and Region - Global Forecast to 2025**

The small drones market is projected to grow from USD 13.40 billion in 2018 to USD 40.31 billion by 2025, at a CAGR of 17.04% during the forecast period. Small Unmanned Aerial Vehicles (SUAVs) are remotely piloted aerial vehicles that have a significant role in the defense as well as commercial sectors. SUAVs are commonly termed as small drones and are being increasingly used for border surveillance. They are also used in various commercial applications such as monitoring, surveying & mapping, precision agriculture, aerial remote sensing, and product delivery. Thus, the increasing use of small drones in commercial and military applications is one of the most significant factors projected to drive the growth of the small drones market. Exemptions made by the Federal Aviation Administration (FAA) to allow the use of small drones in several industries are also contributing to the growth of the small drones market. Lack of air traffic management infrastructure for UAVs is one of the factors restraining the growth of this market.

**Global Military and Public Services Helicopters Market, Forecast to 2026**

After almost 10 years of stagnation and delayed programme in key regions, the market for military and public services helicopters is facing a slow recovery globally, driven primarily by dynamic economies such as Asia-Pacific and Central & South Asia. However, recent political uncertainty amongst leading economies over international trade agreements and subsequent actions leading to economic sanctions and reissuing of trade barriers could impact helicopter production lines and exports. Original Equipment Manufacturers (OEMs) need to consider new strategies for international competitions and retain traditional export customers.

Military customers are continually facing fleet shortages primarily due to:

- Low-paced replacements on account of budget constraints
- More operational requirements and deployments increasing attrition rates
- Growing lack of skills, particularly in transitioning economies

Introducing the new generation of helicopters will partially remediate these issues as unsatisfactory operational capability levels and availability rates are the main critics brought to new platforms. Moreover, helicopters need to integrate the rise of Unmanned Aerial Systems (UAS) and their increasing operational usage in front lines.
This study will benefit those who are interested in learning about the evolving business models in the aerospace, defense, and security industries. This study discusses the key aspects of the transformation of business models in the digital economy and how companies are aligning their strategy to monetize, using digital platforms and flexible business models. All aerospace, defense and security industry stakeholders and the rest of the industry verticals will benefit from this study, as this is a visionary study investigating the big picture perspectives of evolving business models and emerging digital platforms and how they are looking to revolutionize the rest of the industries across the globe. Technology companies that are looking to feed into the digital transformation Mega Trends across industries will also benefit from this study, as they will get to understand their potential role in the future and make key business decisions.

In the fast changing markets in digital economy, data-driven solutions offered through flexible business models for efficiency, agility and effectiveness play a vital role in business success. In the highly competitive digital ecosystem, organizations strive to capitalize and monetize every small aspect of value created by offering clients innovative, flexible and affordable business models. Digitization and new business models related to a range of operational and commercial functions have traditionally been siloed, but this is changing with organizations aiming to provide a wider range of either self-developed or partnered solutions. This research identifies transformation in the industry ecosystem and emerging business models currently being adapted by aerospace defense and security industry stakeholders and convert the evolution into opportunities for revenue/market share growth.
Simulators and virtual training devices are used to recreate real-life conditions experienced on the flight deck of aerial platforms and naval vessels, and during the use of weapons, target systems, armored vehicles, and missiles.

Technavio's analysts forecast the Global Police and Military Simulation Training Market to grow at a CAGR of 4.2% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global police and military simulation training market. To calculate the market size, the report considers the revenue generated from the sales of police and military simulation training systems.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio's report, Global Police and Military Simulation Training Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.

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The global market for defense robotics reached $9.6 billion in 2018 and should reach nearly $14.1 billion by 2023, at a compound annual growth rate (CAGR) of 8.2% for the period of 2018-2023.

North American market for defense robotics reached $5.1 billion in 2018 and should reach $7.8 billion by 2023 at a CAGR of 8.9% through 2023.

Asia-Pacific market for defense robotics reached nearly $1.6 billion in 2018 and should reach $2.4 billion by 2023 at a CAGR of 8.7% through 2023.

Report Scope:

This research report categorizes the defense robotics market by type. Product types include unmanned aerial vehicles, unmanned ground-based vehicles, unmanned underwater vehicles and demining robots.
A rotorcraft is heavier than air aircraft and generates lift through high-speed rotation of the blades around a mast. Rotorcraft engines are air-breathing engines that use the power of the turbine to the shaft, which is attached to the blades for attaining flight.

Technavio’s analysts forecast the global rotorcraft engine market to register a revenue of close to USD 6 billion by 2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global rotorcraft engine market for 2018-2022. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio’s report, Global Rotorcraft Engine Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
Global Industrial Safety Gloves Market - Growth, Trends, and Forecast (2018 - 2023)

Published by Mordor Intelligence LLP

Price
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USD 8750 PDF by E-mail (Corporate License)

Globally, industrial safety gloves market is projected to grow at the growth rate of 9.7% during the forecast period 2018 to 2023. Growing demand of efficient gloves with better grip and convenience are the encouraging the key players to do continuous product development and launches. For instance, Showa launched safety glove named, Showa 379 gauntlet, which is provide extra chemical resistant and highly flexible. Owning to highly fragmented nature of the market, expansion and acquisition are seen as the key strategies adopted by major players. For example, Ansell Ltd acquired BarrierSafe Solutions International, a leading North American provider of single-use gloves.

Increasing Awareness at workplaces to Drive the Industrial Safety Gloves Market Growth

Growing awareness about safety and hygiene at workplaces is anticipated to drive the market growth across the globe. Additionally, stringent rules & regulations and rapid industrialization is encouraging the usage of safety equipment including gloves at different workplaces, which is supporting the market growth from last few years. However, deviations in raw material prices and growing presence of unorganized sector is restricting the expansion and development of the market. Numerous initiatives taken by the government associations and continuous R&D activities for product development are likely to create development opportunities for the market. Growth of labor concentrated industries such as construction and healthcare is expected to influence the demand of different industrial security equipment including safety gloves.

Global Maintenance, Repair & Overhaul (MRO) Facility Landscape, 2018

Published by Frost & Sullivan

Price
USD 1500 Web Access (Regional License)

This growth insight discusses the landscape of commercial aircraft maintenance, repair, and overhaul facilities (MROs) that provide check maintenance and modifications for airlines and air freight carriers.

Prior to stand-alone aircraft maintenance, repair and overhaul (MRO) facilities, major airlines and air freight carriers were forced to acquire resources such as facilities, tooling, and employees to comply with maintenance and modification requirements for their fleets. As their fleets expanded, resource expenditures went up. Some low cost airlines entered the market heavily relying on vendors to provide maintenance, reducing the requirement of maintenance resources such as facilities, labor, and tooling. In efforts to reduce costs and remain competitive, major airlines followed suite by turning to third-party maintenance providers. Several airlines around the globe have completely eliminated their maintenance departments by transferring them to separate businesses and some have even increased outputs and services to provide aircraft maintenance for multiple carriers.
**Global Satellite Launch and Space Insurance Market 2018-2022**

Satellite launch and space insurance is a niche segment of the insurance market that includes the insurance of man-made satellites and space launch vehicles (LVs) and covers the manufacturing to the in-orbit operations phases.

Technavio's analysts forecast the Global Satellite Launch and Space Insurance Market to grow at a CAGR of 2.26% during the period 2018-2022.

**Covered in this report**

The report covers the present scenario and the growth prospects of the satellite launch and space insurance market. To calculate the market size, the report considers the cumulative underwriting capacity of the vendors in the global satellite launch and space insurance market.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio's report, *Software Market for Satellite Launch and Space Insurance Market 2018-2022*, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
Worldwide Container Security Market [by Segments (Platforms, Services: Professional, Managed); by Deployment (Cloud, On-Premise); by Users (SMBs, Enterprises); by Verticals; by Regions]: Market Sizes and Forecasts (2018 - 2023)

Published by Arcluster Pte. Ltd. Pub. Date 2018/09/14
Price USD 4150 Open License

www.giiresearch.com/ce/699015

The Container Security market report provides an in-depth analysis of the market size, forecasts, and opportunities of Container Security Platforms and Services targeted at SMBs and Enterprises. Services analyzed in the study include Professional Services and Managed Services. Professional services include Design and Consulting, Implementation and Integration, and Maintenance and Support.

The study includes market analysis of Container Security, categorized by two types of Deployments: On-Premise Deployment and Cloud-based Deployment. Further to this, the report also provides the market data for Container Security across eight verticals and five regions - North America, Europe, Asia-Pacific, Central America, and Latin America (CALA), and Middle-East and Africa (MEA).

Arcluster’s Container Security market report also includes insights into key market requirements gathered from service providers, network engineers, IT managers, CIOs, CTOs, IT decision makers, and opinion leaders. This report has been built on a rigorous period of information gathering from both secondary and primary sources through several interviews with industry participants, manufacturers, suppliers, vendors, consultants, organizations, and regulators.

Development of Innovative Applications in Smart Locks

Published by MIC - Market Intelligence & Consulting Institute Pub. Date 2018/09/12
Price USD 1500 PDF by E-mail (Single user license)

www.giiresearch.com/ce/714024

The door lock is used every time people enter and leave the house. With the popularity of smartphones, more and more manufacturers are devoted to developing smart locks, which enable users to operate a door lock with a smartphone app. Evolving from traditional digital keyboard or electromagnetic induction, smart locks now allow people to unlock the door automatically and hands-free. This report analyzes the development of innovative applications in smart locks mainly from Nuki, Teodoor, U-Tec, and August, with an aim to identify their development trends and market opportunities.

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3. Conclusion
Appendix
Global Powered Air Purifying Respirator (PAPR) Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Price
USD 2500 PDF by E-mail (Single User License) ~
USD 5000 PDF by E-mail (Global License)

www.giiresearch.com/ce/707369

PAPR is a personal protective equipment, which is used for safeguarding workers against contaminated air.

Technavio’s analysts forecast the Global Powered Air Purifying Respirator (PAPR) Market to grow at a CAGR of 6.74% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the powered air purifying respirator (PAPR) market. To calculate the market size, the report considers the revenue generated from the powered air purifying respirator.

Technavio’s report, Powered Air Purifying Respirator (PAPR) Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA
Global Firefighting Foam Market 2018-2022

Firefighting foam is among the firefighting chemical products commonly used to control, prevent, and suppress fires. It mainly helps in cooling the burning substrates and forms a film on the fuel surface. The substrate gets cut-off from the supply of oxygen, which is required for combustion.

Technavio’s analysts forecast the global firefighting foam market to register a revenue of close to USD 1 billion by 2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global firefighting foam market for 2018-2022. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA
Global Commercial Aircraft Gas Turbine Engine Market 2018-2022

Aircraft gas turbine engines are the most widely used propulsion systems in the aviation industry. There are two types of turbine engines, turboprop and turbofan, with their own set of requirements for maintenance and overhaul.

Technavio’s analysts forecast the global commercial aircraft gas turbine engine market to grow at a CAGR of 5.52% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global commercial aircraft gas turbine engine market for 2018-2022. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio’s report, Global Commercial Aircraft Gas Turbine Engine Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
Global Ceramic Armor Market 2018-2022

Ceramic armors are used in the military and defense sectors to protect personnel and vehicles from bullets and weapons attacks. Silicon carbide, boron carbide, and ceramic-metal composites are some metals used for manufacturing ceramic armors.

Technavio’s analysts forecast the global ceramic armor market to grow at a CAGR of 6.32% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global ceramic armor market for 2018-2022. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

The market is divided into the following segments based on geography:
- Americas
- APAC
- EMEA

Global Aerospace & Defense Composite Market and Technology Forecast to 2026: Market Forecasts (By Region, Matrix Material, Manufacturing Process, Application, End-Use), Market Overview, Supplier Mapping, Technology Overview, Leading Company Profiles

Global Aerospace & Defence Composites market is estimated at around USD 15.17 Billion and grow at a CAGR of around 11.21% to reach USD 39.46 Billion in 2026. The total market opportunity has been estimated at around USD 252 Billion during the forecast period. Commercial Aviation segment which constitutes the fixed wing commercial aircraft is expected to contribute to more than 50% of the market. The developments in this segment in the Jet Engine is expected to contribute to more than 10% of the overall market. The report has been segmented into Region Wise (Including country wise segmentation), Matrix Wise (Commercial Aviation and Defence & Others), Manufacturing Process and Application Wise (Interior and Exterior).

The report covers in detailed the PESTLE analysis, where the Environmental aspects in terms of recycling of the composites are expected to be the major trend changer for this market. It is expected that there would be statutory requirements on increasing the usage of recycled or reused composite material.

The report “Global Aerospace & Defence Composite Market Forecast to 2026” provides historical data and forecast until 2026. The market forecast section provides segment wise forecast across each of the segments as mentioned above.
New Consumer Drones: Development Trends, Product Features, and Market Potential

In recent years, drones have caught a lot of market attention, especially consumer drones. Consumer drones have been developed towards budget-friendly, lightweight, selfie and smartphone-controllable features. In addition, the market demand for selfie drones is also clearly defined. The application of consumer drones therefore has been expanded from air to water arena and their development in some niche markets merits further observation. This report provides an overview of the latest development of consumer drones, including Moment Drone, SELFLY Camera, PITTA, FIFISH P3, and Splash Drone 3 Auto, and examines their major features and market potential.

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3. SELFLY Camera: Looks like Phone Case, But Can Fly
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Appendix

Commercial Aircraft Cabin Seating & Interiors Market Forecast 2018-2028: By Aircraft Type (Wide Body, Narrow Body, Very Large, Regional Transport, Business Jets) and Interior Components

The International Air Transport Association (IATA) sees healthy demand growth over the last few years and has expected demand growth to continue to remain strong over the next decade and beyond with their forecasts showing that the number of passengers is anticipated to double by 2036. Given existing economic uncertainties in the Eurozone and continuing indecision about how the US will tackle its growing fiscal deficit, travel growth levels in developed countries will remain stagnant. Developing markets in the Asia Pacific and the Middle East should continue to serve as the main catalyst for this upward trend. The demand for air travel particularly from new emerging markets will see the global airline fleet experience extraordinary growth over the next decade. Visiongain assessed that the world market for commercial aircraft cabin seating & interiors will reach $16.4 billion in 2018.

The commercial aircraft cabin seating & interiors market report presents the reader with a comprehensive understanding of supporting a harmonized global air transport system. It identifies all potential performance improvements available today, details the new cabin interior technologies that will be deployed worldwide, and provides the investment certainty needed for companies to make strategic decisions for their individual planning purposes.
Global Military Simulation and Virtual Training Market 2018-2022

Published by TechNavio (Infiniti Research Ltd.)

Price
USD 2500 PDF by E-mail (Single user license) ~
USD 5000 PDF by E-mail (Global license)

www.giiresearch.com/ce/315281

To calculate the market size, the report considers the revenue generated from military simulations and virtual training solution providers.

Technavio’s analysts forecast the Global Military Simulation and Virtual Training Market to grow at a CAGR of 5.04% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the military simulation and virtual training market. To calculate the market size, the report considers the revenue generated from military simulation and virtual training.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio’s report, Military Simulation and Virtual Training Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
Kuwait remains wary of the resurgence of Islamic State (IS) in neighboring Iraq with which shares a long border and continues to face the threat of IS infiltration. Although the influence of IS reduced significantly by 2017, IS extremists, which in the past orchestrated an attack on Imam Sadiq mosque in the Al Sawabir area of Kuwait City, can regroup and launch strikes on other targets within Kuwait. Thus Kuwait is expected to invest heavily in securing its frontiers to prevent illegal infiltration.

With a military expenditure of US$7.6 billion in 2018, Kuwait is expected to cumulatively spend US$48.3 billion on its military over the forecast period. Kuwaiti military and security expenditure, registered a CAGR of 6.87% during the historic period.

Between 2014 and 2018, the country allocated an average of 19.3% of the total defense budget to capital expenditure, and the remaining 80.7% to revenue expenditure. The country's revenue expenditure is characterized by high levels of investment in operating its military, such as salaries and the pensions of retired personnel. Over the forecast period, the Kuwaiti Ministry of National Defense (MND) is expected to increase its current level of allocation for capital expenditure, averaging 21.3% of the total defense budget.

The "Aircraft Ignition System Market - Global Industry Analysis, Size, Share, Growth, Trends and Forecast, 2018-2026," report provides analysis of the aircraft ignition system market for the period 2016-2026, wherein the years from 2018 to 2026 is the forecast period and 2017 is considered as the base year. Data for 2016 has been included as historical information. The report covers all the trends and technologies playing a major role in the growth of the aircraft ignition system market over the forecast period. It highlights the drivers, restraints, and opportunities expected to influence the market growth during this period. The study provides a holistic perspective on the market’s growth in terms of revenue(in US$ Mn) across different geographical regions, namely North America, Europe, Asia Pacific, Middle East & Africa, and South America. The report highlights the key trends affecting the market on a global scale. Furthermore, region wise prominent countries/regions covered in the report includes the U.S, Canada, Germany, France, U.K, India, China, Japan, GCC countries, South Africa, and Brazil.
Europe's economic recovery has been slow, countries are trying to reduce their national debt by reducing government spending, and this, in turn, has the potential to influence defence allocation. The economic situation of Cyprus, Italy, Greece, Spain, Portugal, and Ireland continues to be worrying and future bailouts to support these countries might put additional pressure on defence spending. Even against this background, emerging conventional and unconventional security threats and the pressure from NATO and the US to meet the spending commitments might be sufficient to see a considerable defence spending growth in the future. The exit of the UK might result in higher defence spending to conduct operations more independently.

The increased tempo of air policing measures carried out by European air forces and the need to maintain high availability of the combat aircraft fleet might result in the military aircraft maintenance, repair, and overhaul business grow in the coming years. With newer and more advanced threats appearing from rival nations such as Russia and China, more funds might be invested in larger European nations into newer capabilities. Central European countries will build their air forces around the purchase/lease of aircraft. Larger countries and Central European countries will look to bolster their air defence equipment, both tactical and missile defence systems, to counter Russian missile deployments.

Two-wheeler smart helmets are protective headgear embedded with connectivity features like Bluetooth, speakers, heads-up display, among others to improve the comfort and safety of two-wheeler riders.

Technavio's analysts forecast the global two-wheeler smart helmet market to grow at a CAGR of 23.97% during the period 2018-2022.

The report covers the present scenario and the growth prospects of the global two-wheeler smart helmet market for 2018-2022. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

Technavio's report, Global Two-wheeler Smart Helmet Market 2018-2022, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.
Global Drone Data Services and Analytics Market: Focus on Type and Industry - Analysis and Forecast, 2018-2023

Published by BIS Research Inc.  
Pub. Date 2018/09/05

Price
USD 5000 Unprintable PDF by E-mail (Single User License)  
USD 8000 Printable PDF and Excel by E-mail (Enterprise-wide License)

Our new Mobility-as-a-Service research provides an in-depth examination of this emerging market; delivering crucial insights into vendor strategy and business models being formulated in the nascent area. It provides an evaluation of the current market progress to MaaS (Mobility-as-a-Service) implementation and future opportunities for players across the value chain in each area of MaaS deployment.

The research provides critical analysis of the key sectors, regional opportunities and developments, whilst providing insights into the impact expected on existing transport methods. This is aligned with an extensive scenario-based forecast suite, offering 3 scenarios (for low, medium and high user adoption) for the future of MaaS. Metrics featured in each scenario include:

- Number of MaaS Users
- MaaS Revenues
- Time Savings from MaaS Introduction Compared with Private Car Use
- Fuel Cost Savings from MaaS Introduction Compared with Private Car Use

Industrial Gloves Market - Global Industry Analysis, Size, Share, Growth, Trends, and Forecast 2016 - 2026

Published by Transparency Market Research  
Pub. Date 2018/09/05

Price
USD 5795 PDF by E-mail (Single user license)  
USD 11795 PDF by E-mail (Corporate License)

The industrial gloves market report provides analysis for the period 2016-2026, wherein 2018 to 2026 is the forecast period and 2017 is the base year. The report covers all the major driving factors and key trending topics impacting the industrial gloves market growth over the forecast period. It also highlights the restraints and opportunities expected to influence the market during the aforesaid period. The study provides a comprehensive outlook on the growth of the industrial gloves market throughout the forecast period in terms of revenue (in US$ Mn) and volume (in Million Units) across different geographies, including Asia Pacific, North America, Europe, Middle East & Africa (MEA), and South America.

The report covers the entire overview of the market including the market dynamics such as drivers, restraints, and opportunities and trends that are predicted to leverage the existing nature and prospective status of this market. The competitive position of the industrial gloves market is studied through the Porter's Five Forces Analysis. Additionally, current indicators of diverse macro-economic factors are contextualized under key market indicators.
The 3D Radar market report provides analysis for the period 2016 - 2026, wherein 2018 to 2026 is the forecast period and 2017 is the base year. The report covers all the major trends and technologies expected to play an influential role in the market's growth over the forecast period. It also highlights the drivers, restraints, and opportunities for the analysis of market growth during the said period. The study provides a complete perspective on the global 3D Radar market's evolution throughout the above mentioned period in terms of revenue (US$ Mn).

The market overview section of the report demonstrates the market dynamics such as the drivers, restraints, and opportunities that influence the current nature and future status of this market, key indicators, integration challenges, end-user adoption analysis, and trends of the market. Further, key market indicators included in the report highlight the factors which are capable of changing the market scenario. These indicators are expected to define the market position during the forecast period and provide an overview about the global 3D Radar market. Market attractiveness analysis has also been provided for every segment in the report, in order to provide a thorough understanding of the overall scenario in the 3D Radar market. The report also provides an overview of various strategies adopted by key players present in the market.

Global Aircraft Computer Market 2018-2022

An aircraft computer is the neural center of an aircraft which manages all the aspects of the flight (takeoff, cruise, descent, and landing), ranging from flight controls, engine controls, and flight management systems.

Technavio's analysts forecast the global aircraft computer market to grow at a CAGR of 6.26% during the period 2018-2022.

Covered in this report

The report covers the present scenario and the growth prospects of the global aircraft computer market for 2018-2022. To calculate the market size, the report presents a detailed picture of the market by way of study, synthesis, and summation of data from multiple sources.

The market is divided into the following segments based on geography:

• Americas
• APAC
• EMEA
**The Global Undersea Warfare Systems Market 2018-2028**

Published by Strategic Defence Intelligence

Pub. Date 2018/09/04

Price
USD 4800 PDF by E-mail (Single user license) ～
USD 14400 PDF by E-mail (Enterprise license)

www.giiresearch.com/ce/382858

The demand for USW systems is expected to be driven by growing disputes over maritime borders, offshore resources and trade routes. Anti-access area denial (A2/AD) and counter A2/AD are becoming a vital part of maritime strategies employed by major navies across the world and undersea warfare is expected to regain its prominence.

New developments in maritime technology such as unmanned vehicles and maritime robots, stealth submarines, enhanced detection ranges of sonar, undersea communications and network centric warfare etc. are also anticipated to encourage investment in R&D projects.

The Global Undersea Warfare Systems Market 2018-2028 report offers a detailed analysis of the industry, with market size forecasts covering the next ten years. This report will also analyze factors that influence demand for undersea warfare systems equipment, key market trends, and challenges faced by industry participants.

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**Digital Door Lock Systems Market (Type - Biometrics, Keypad Locks; End use - Government, Commercial, Industrial, Residential) - Global End Use Analysis, Size, Share, Growth, Trends, and Forecast 2018 - 2026**

Published by Transparency Market Research

Pub. Date 2018/09/04

Price
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USD 11795 PDF by E-mail (Corporate License)

www.giiresearch.com/ce/719544

The “Digital Door Lock Systems Market - Global End Use Analysis, Size, Share, Growth, Trends, and Forecast, 2018 - 2026” report provides analysis of the digital door lock systems market for the period 2016-2026, wherein the years from 2018 to 2026 is the forecast period and 2017 is considered as the base year. Data for 2016 has been included as historical information. The report covers all the trends and technologies playing a major role in the growth of the digital door lock systems market over the forecast period. It highlights the drivers, restraints, and opportunities expected to influence the market growth during this period. The study provides a holistic perspective on the market's growth in terms of revenue (in US$ Mn) and volume (thousand units) across different geographical regions, namely North America, Europe, Asia Pacific, Middle East & Africa, and South America. The report highlights the key trends affecting the market on a global scale. Furthermore, region wise prominent countries/regions covered in the report includes the U.S, Canada, Germany, France, U.K, India, China, Japan, GCC countries, South Africa, and Brazil.
Factors like growing defensive expenditure, rising demand for cybersecurity in critical infrastructure as well as utilities and the ever-expanding traditional arms manufacturing companies in the cybersecurity business are some of the factors that are responsible for driving the global cyber weapons market. The market is forecasted to rise with a CAGR of 4.14% over the estimated period of 2018-2026.

MARKET INSIGHTS

The global cyber security market segmentation is done on the basis of applications and types. The application of this market can be found for communication networks, national defence systems, industrial control systems, air traffic control, smart power grid, automated transportation systems, hospital, financial systems, government organizations and public utility. The cybersecurity market type can be either offensive or defensive.

REGIONAL INSIGHTS

Geographically, the global cyber weapons market is segmented into regions like Asia-Pacific, Europe, North America and the rest of the world. By the end of 2026, the North America Cyber Weapon market is predicted to hold the biggest share of the global market on account of the rise in the number of cyber-attacks in the US and Canada. On the other hand, the market which is predicted to exhibit the fastest growth over the estimated period is the Asia-Pacific market. The Asian market is primarily driven by increasing threat to critical infrastructure.

According to Stratistics MRC, the Global Instrument Landing System & Visual Aids market is accounted for $1,364.60 million in 2017 and is expected to reach $2,585.98 million by 2026 growing at a CAGR of 7.4% during the forecast period. Growing Airport Modernization Projects, Increasing Runway Safety Improvements Underway and Advancement of Ground-Based Augmentation System are some of the factors impelling the market growth. However, stringent regulatory policies and high capital investments for maintenance & installation costs are some issues restricting the market growth.

Instrument Landing System (ILS) is defined as a precision runway approach aid, based on two radio beams which together provide pilots with both vertical and horizontal guidance during an approach to land. Instrument landing systems and visual landing aids are ground-based instrument approach and flight deck lighting control systems that give exact supervision to aircraft approaching or landing on a runway.

Amongst lighting type, runway lighting segment held steady growth during the forecast period due to runway safety improvements underway and greenfield airport projects. By geography, Asia Pacific region is expected to register the highest market growth rate during the forecast period which can be attributed to the increasing demand for enhanced runway operational efficiency, growing passenger traffic, airport development and expansion in emerging economies.

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**Glass Cockpit for Aerospace - Global Market Outlook (2017-2026)**

According to Stratistics MRC, the Global Glass Cockpit for Aerospace Market is accounted for $1,587.84 million in 2017 and is expected to reach $2,538.03 million by 2026 growing at a CAGR of 5.4% from 2017 to 2026. Some of the key factors responsible for the market growth include automation of flight controls, increased demand for new aircraft by airlines and adoption of high-end technologies. However, factors such as increased complexity and occurrence of display blackout owing to sudden system failure are restraining the market growth.

An aircraft cockpit comprises of electronic flight instruments display, such as altimeter, direction, gyroscope, and air speed. These aircraft cockpits are known as glass cockpit and it includes LCD screens rather than the conventional analog systems. The glass cockpit systems consists of several displays which are connected to the flight management system, and can be altered to display flight information as required. The glass cockpit has replaced the conventional (Electronic Flight Instrumentation Systems EFIS) warning lights and mechanical gauges, but still they are used in some aircrafts as backups in case of electronic flight instrumentation system malfunction. At present, glass cockpit is largely used in commercial aviation aircrafts such as Boeing 737NG, Boeing 747-400, Boeing 777, and Tupolev Tu-204 among others.

Published by Mordor Intelligence LLP

Price
USD 4250 PDF by E-mail (Single User License) ~
USD 8750 PDF by E-mail (Corporate License)

The Airport Security Market is expected to register a CAGR of 9.3% during the forecast period, 2018 - 2023. The increasing security rules and regulations at the airports worldwide coupled with the increasing investments in Airport Construction is expected to drive the market.

Increasing Security Rules and Regulations at the Airports Worldwide

The rise in the number of terrorist threats as well as the rise in the number of attacks carried out at airports in the recent years has highlighted the urgent need for increased security measures. Since 9/11, five terrorist attack attempts on the US airlines and airports have made airport security a continued priority for various government officials worldwide. Issuing of the Aviation and Transportation Security Act after the 9/11 attacks led to the creation of the Transport Security Administration and had federal employees put in charge of airport screening. Moreover, during the past few years, various airports around the world have witnessed significant development regarding airport security. Furthermore, the TSA during the past few years have implemented various changes to airport security measures with the inclusion of metal detectors for passengers, x-ray screening checks for carry-on bags as well as screening for explosives in checked in bags.
**Global Helicopter Blades Market - Segmented by Application (Commercial, Military) and Geography - Growth, Trends and Forecast (2018 - 2023)**

*Published by Mordor Intelligence LLP  Pub. Date 2018/09/01*

The demand for helicopters in both commercial and military sectors has been increasing gradually. Commercial helicopters are now being used in different areas, like tourism, medical and emergency rescue services, transportation, law enforcement and offshore helicopter services. In the military segment, contracts comprising of high amounts are being awarded for the military helicopter manufacturers. Geographically, in the primary market for military helicopters, the US, military helicopter procurements are being done aggressively. This increase in demand for helicopters can increase the production of new helicopter blades by the OEMs. Also, the aftermarket services for the helicopter blades can drive the market for the helicopter blades during the forecast period.

**3D Printing Technology Driving the Helicopter Blade Market:**

The rise in usage of helicopters is anticipated to increase the aftermarket activity, which will also drive the market for helicopter blades in the years to come. Advancements in technology and materials are also expected to drive the market during the forecast period. The use of 3D printed parts has been increasing over the years. 3D printing is mainly used for accelerating product development and customization of existing products.

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**Critical Infrastructure Protection - Global Market Outlook (2017-2026)**

*Published by Stratistics Market Research Consulting  Pub. Date 2018/09/01*

According to Stratistics MRC, the Global Critical Infrastructure Protection market is expected to grow from $101.41 billion in 2017 to reach $216.00 billion by 2026 with a CAGR of 8.8%. The increase in safety breaches and cyber-attacks, rising adoption of best practices and huge investment in smart grid technologies are some of the factors boosting the market growth. Complication in deployment of safety infrastructure and the lack of interoperability between safety systems is limiting the growth of the market.

By component, in the service section the risk management process is projected to growth fast during the forecasted period. Several governments are adopting risk management approaches. Risk management process involves integration of threat, vulnerability, and consequence information. Depending on geography, Proliferation of the technology in industrial systems and defense are some of the key factors stimulating the growth of the regional market.

Global Shoulder-Fired Weapons Market - Segmented by Technology (Guided, Unguided), Range (Short Range, Medium Range, Extended Range) and Geography - Growth, Trends, and Forecast (2018 - 2023)

Published by Mordor Intelligence LLP
Pub. Date 2018/09/01
Price
USD 4250 PDF by E-mail (Single User License) ~
USD 8750 PDF by E-mail (Corporate License)

The market for shoulder-fired weapons is anticipated to grow at a CAGR of over 5.5% during the forecast period. Growth in the defense budget to counter terrorist activities will drive the shoulder-fired weapons market in the coming years.

Shoulder fired weapons can be classified as anti-aircraft and anti-tank that uses a launcher to shoot the warhead at the target. These weapons, of the guided as well as the unguided variety, are highly effective against intended targets. Unlike other missile systems that are bulky and require operational expertise, shoulder-fired weapons are relatively small and can be carried by a single person and operated efficiently with much less level of training needed.

Shoulder-fired anti-tank weapons give the foot soldier the ability to assault armored vehicles. Currently, there are two main types of shoulder-fired Anti-Tank (AT) systems: reloadable and disposable. The reloadable systems are modern variations on recoilless rifle technology. With the advancement in armored vehicle protection, especially that of MBTs, the shoulder-fired weapons are facing new challenges.

Global Amphibious Aircraft Market - Segmented by Aircraft Usage (Civilian and Military) and by Geography - Growth, Trends, and Forecast (2018 - 2023)

Published by Mordor Intelligence LLP
Pub. Date 2018/09/01
Price
USD 4250 PDF by E-mail (Single User License) ~
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Amphibious aircraft is a special type of aircraft, which is designed to perform takeoff, as well as landing operations from both land and water. These airplanes are also commonly known as seaplanes and are equipped with retractable wheels. Moreover, various amphibious aircraft worldwide are fitted with keels, which acts like a ski, thus enabling the aircraft to perform takeoff and landing operations on the ice. Furthermore, in the present scenario, various amphibious aircraft globally are being increasingly used for surveillance. Likewise, the wings of such aircraft are larger as compared to other aircraft and turboprop engines are fitted on these planes. Furthermore, modernizing initiatives in various countries, such as China, Japan, and Singapore have led to a rise in the manufacturing of amphibious aircraft for both commercials, as well as for the military sector.

Regional Insights:

The region of Asia-Pacific is expected to dominate the amphibious aircraft market in 2017. Amphibious aircraft in China has been witnessing a significant growth, owing to the introduction of newer technology in terms of amphibious aircraft which have proved to be a success while possessing the capability of excelling various other amphibious aircraft produced by Japan and Russia. Furthermore, China has progressed rapidly with the development of their newest AG600 amphibious aircraft.
According to Stratistics MRC, the X-Band Radar market is accounted for $4.76 billion in 2017 and is expected to reach $7.65 billion by 2026 growing at a CAGR of 5.4%. Increasing security concerns, growing use of the X-band radar in defense and increase in use of radar systems for digital signal processing are factors favouring the market growth. However, high cost incurred in system development and strict government regulations are hampering the market growth.

X-band radars are used in variety of operations such as air-traffic control at airports and long range surveillance and alarming systems for defence applications. X-band radars are great for studying cloud expansion since they can detect light precipitation such as snow and even tiny water particles. Generally airplanes are equipped with X-band radars so as to be able to pick up turbulence and other weather phenomena. They are operating at a frequency of 8-12 GHz and on a wavelength of 2.5-4 cm, these radars are more sensitive and can identify even the smallest of particles.

The competitive rivalry among the countries for launching their own spacecraft, the increase in the amount of money spent towards the space sector and the technological advancements in the spacecraft technologies and the relevant launch technologies will be driving the market for the spacecraft during the forecast period. Also, the need for nano and microsatellites will be propelling the market in the years to come.

There have been continuous efforts by many countries around the world for space exploration. Also, many countries around the world have increased their budget spending towards space exploration and related arenas. The globally leading countries in space exploration, the US and Russia, despite their competitive rivalry, are coming together in the space sector for venturing into space. Many new ventures are being undertaken for the space exploration and development of new spacecraft. Recently, in September 2017, NASA has signed an agreement with the Russian Space Agency, Roscosmos for partnership between the two, for building a new lunar space station somewhere around the Moon.
According to Stratistics MRC, the Global Autopilot System Market is accounted for $3.11 billion in 2017 and expected to grow at a CAGR of 8.3% to reach $6.99 billion by 2026. The reduced installation costs, enhanced efficiencies and the rising adoption rates for automation are some of the driving factors in the market. However, the high maintenance costs and the stringent government regulations restrict the market growth. The unmanned aerial vehicles are the recent trends in the market that is generating ample growth opportunities.

Autopilot systems will play a crucial role in the flight management infrastructure. It is a mechanical, electrical or hydraulic system which allows in controlling the aerial vehicle or ships to run with minimal human assistance. This autopilot system stores data from inertial measurement instruments. Further, by using those store data it takes corrective action in order to guide the aerial vehicle. An autopilot system also maintains the orientations of the aerial vehicle or ships by monitoring the related run data. There are three major level of controls used in autopilot system including single axis autopilot control, two axis autopilot controls and three axis autopilot adds controls. The autopilot systems are being used mainly in the navigation sector such as airplanes, ships, and unmanned aerial vehicles and these systems also consume less fuel when compare to a manual operation.

According to Stratistics MRC, the Global Aviation Actuator Systems Market is accounted for $854.1 million in 2017 and expected to grow at a CAGR of 7.3% to reach $1618.2 million by 2026. The increasing trend for more electric aircraft & automation and increasing profitability of airliners are some of the factors triggering towards market growth. Leakage issues in hydraulic & pneumatic actuators are one of the factors restraining the market. The emerging aviation and aircraft sector in Asia Pacific region provide ample opportunities in the market.

The aviation actuator is equipment or a component used to move and control a mechanism or system. To perform these movement functions, an actuator requires a source of energy and a control system. Mainly there are three different variants in the control signal and is relatively a low energy, they are electric voltage or current, pneumatic or hydraulic pressure or sometimes even human power. The actuator starts working after receiving a control signal by converting the received signal energy to a mechanical motion.

On the basis of end user, the commercial aviation sector is expected to grow at a great pace during the forecast period. There is an increase in demand for commercial aircraft, due to the increasing revenue generation from commercial aircraft, this in turn is generating a great demand for aviation actuator systems in the commercial aviation segment.
According to Stratistics MRC, the Global Aviation Test Equipment Market is accounted for $5.62 billion in 2017 and is expected to reach $8.89 billion by 2026 growing at a CAGR of 5.2%. Increasing safety concerns, technological advancements, stringent government regulations, novel based R&D activities of aviation test equipment's, rising usage of software based solutions are some key factors propelling the market growth. However, short life cycle of avionics modules and huge maintenance required for legacy platforms are inhibiting the market growth.

Aviation test equipment is to reduce the life cycle cost, improve system reliability and safety, isolate failures, and advance testability. It basically focuses to inspect and resolve problems such as electrical and mechanical issues, performance check, repair brakes, etc. It has a major role in the sectors such as defense and commercial sector for maintaining aircrafts.