Avionics Systems Market - By Sub System (FMS, FCS, CNS, HMS, Electrical, Emergency, Others), By Platform (Fixed Wing, Rotary Wing, Others), By Fit (Forward, Retro), Geography-Forecast(2016-2021)

Description: Avionics Systems are the electronic systems that are typically installed in aircrafts, artificial satellites, and spacecraft. These systems include control and monitoring, communication, navigation, display, and a number of other systems that are essential for operating an aircraft. With the new improvements and innovations in technology, the demand for modern avionics has increased. Moreover, there has been a rise in order and deliveries of aircrafts since past few years, thereby giving a boost to the overall market growth.

The increase in global air traffic owing to the increasing business and leisure in numerous countries across the globe is definitely influencing the market for commercial avionics systems in the aviation industry. The growth of commercial avionics systems market is also driven and influenced by the following factors like increased number of orders and deliveries of aircrafts, emerging economies, growing popularity of integrated modular avionics, growing need for real-time data, rising implementation of modern systems for next-generation aircrafts.

Additionally, the growing expectation of the air passengers for enhanced in-flight services and solutions has boosted the demand for in-flight entertainment (IFE), which in turn is pushing the market for commercial avionics systems forward.

The growing apprehensions to improve the safety and surveillance in aircrafts are also impelling the growth of global commercial avionics systems market. Modern avionics systems offers benefits to the pilot and the crew in terms of efficient and easy control, communication and display functions, thereby reducing risks associated with human errors during flight.

North America held the largest share in the global avionics systems market with more than xx% revenue share in 2015 and is expected to continue its leading position throughout the forecast period. The key drivers affecting the growth of the avionics systems market in North America are growing need for real time data, increasing adoption of advanced technology to advance the efficiency of aircrafts, and reconstruction of parked aircrafts with enhanced avionics systems.

The commercial avionics systems market is dominated by North America, followed by Europe, Asia-Pacific, and rest of the world (Row). The Asia-Pacific region, being a diverse mix of countries and aviation requirements, is expected to witness the highest number of aircraft deliveries than any other region during the forecast period. The increase in aircraft deliveries is expected to lead the commercial avionics systems market. The U.S. holds the largest market share for avionics systems globally. However, Asia Pacific is estimated to be the fastest growing region in the avionics systems market with a CAGR of xx% from 2016 to 2021.

Helps To Find Flight Route By Displaying Pictures

Avionics Systems generally incorporate displays allowing pictures of the flight route as well as basic flight instrument data. While this can be most helpful to world, it can also help to enter into areas where the pilot has no recourse, if any circumstances such as weather or equipment operation changes for the worse. You should never fly further into marginal conditions but avionics systems will help to fly with conventional instruments.

Increases Safety Of Aircraft

Avionics Systems were designed to increase safety as well as utility of the aircraft. Safety is enhanced by enabling better situational awareness. Safety can be augmented by providing more information for people in an easier way to understand presentation. Safety of flight can be hindered if people are not aware of what data the presentation is displaying or confuses that data with other similar information. Safety of flight can be compromised if people attempt to use the avionics to substitute for required weather or aerodynamic needs. Safety of flight can be negated if people know how to use avionics system in flight. The use of
avionics helps to reduce risk. Proper use of checklists and systematic training should be employed to control common error-prone tasks and notice errors before they become a threat to safety of flight.
9.5. Satellite Communication
9.6. Target Sighting
9.7. Weapon Management
9.8. Digital Messaging
10. Avionics Systems Market Market-By Geography
   10.1. Americas
      10.1.1. U.S.
      10.1.2. Canada
      10.1.3. Mexico
      10.1.4. Brazil
      10.1.5. Others
      10.2. Europe
      10.2.1. U.K.
      10.2.2. Germany
      10.2.3. Italy
      10.2.4. Spain
      10.2.5. Others
      10.3. Asia-Pacific
      10.3.1. China
      10.3.2. South Korea
      10.3.3. Japan
      10.3.4. India
      10.3.5. Others
      10.4. Rest of The World (RoW)
      10.4.1. MEA
      10.4.2. Oceania
11. Avionics Systems Market Entropy
   11.1. New Product Developments
   11.2. Product launches, JVs, Mergers and Acquisitions
12. Company Profiles
   12.1. Air Data Inc.
   12.2. Astronics Max-Viz
   12.3. Avidyne Corporation
   12.4. BAE Systems Plc.
   12.5. Bendix/King
   12.6. Curtiss-Wright Corporation
   12.7. Data Link Solutions
   12.9. Ferranti
   12.10. FLIR Systems
   12.11. Tellumat
   12.12. Thales Group
   12.12. United Technologies Corporation
   12.13. United Technologies Corporation
   12.15. Kitchener Aero
*More than 40 Companies are profiled in this Research Report, Complete List available on Request*
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