

# **Global Aerospace & Defense Fluid Conveyance System Market by Aircraft Type (Commercial, Regional, General Aviation, Helicopter, and Military Aircraft), by Application (Fuel, Air, and Hydraulic), by Product Type (Hoses & Tubes, Low Pressure Ducts, and High Pressure Ducts), by Materials Type (Titanium & Alloys, Stainless Steel & Alloys, Composites, and Others), and by Region (North America, Europe, Asia-Pacific, and RoW), Trend, Forecast, Competitive Analysis, and Growth Opportunity: 2016 – 2021**

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## **Abstracts**

This report, from Stratview Research, studies the global aerospace & defense fluid conveyance systems market over the period 2010 to 2021. The report provides detailed insights on the market dynamics to enable informed business decision making and growth strategy formulation based on the opportunities present in the market.

### **The Global Aerospace & Defense Fluid Conveyance Systems Market: Highlights**

The fluid conveyance system manages and distributes fluids in the low as well as high pressure & temperature areas of fixed winged and rotary winged aircraft, for both civil and military applications. Fluid conveyance systems comprise hoses & tubes, high pressure ducting, low pressure ducting and other components.

Hoses and tubes are designed to convey fluids to components, valves, actuators, and tools. A hose is typically flexible, often reinforced and usually constructed with several

layers of reinforcement. Teflon, rubber, Kevlar, thermoplastic and stainless steel are the key materials used to manufacture hose.

High pressure ducting systems are deployed throughout the aircraft, from the engines, through the fuselage, to the leading edges of the wings. The major applications of high pressure ducting system are environmental control system (ECS systems), engine bleed air, thermal anti-ice systems, APU air intake / exhaust, fuel tank inerting systems and engine starter duct systems. All the major players are using high temperature metals, such as titanium and stainless steel as well as composites to provide absolute optimum ducting system solutions.

Low pressure ducts are used in low temperature and low pressure applications, such as cabin sidewall riser duct, transition duct, acoustic silencer, windscreen demisting, flight deck air distribution, flight deck instrumentation cooling, avionics ventilation, cabin recirculation, and air conditioned supply. Composites and aluminum are the most preferred materials for low pressure ducting.

The aerospace & defense fluid conveyance systems market offers a robust growth opportunity of 5.8% CAGR during the forecast period of 2016 to 2021 and reach US\$ 3.9 billion in 2021. Commercial aircraft is expected to remain the growth engine of the global aerospace & defense fluid conveyance systems market during the forecast period. Composite materials will continue to gain market traction over the next five years by replacing metals.

North America is expected to remain the largest market for global aerospace & defense fluid conveyance systems over the next five years. Asia-Pacific region is likely to experience the highest growth, driven by demand of ducting in emerging economies, such as China and India.

The supply chain of this market comprises raw material manufacturers, fluid conveyance system manufacturers, aircraft engine OEMs, aircraft OEMs, and airline companies. The key aerospace engine manufacturers are CFM, GE Aviation Engines, Pratt & Whitney and Rolls Royce, and key aircraft OEMs are Boeing, Airbus, Lockheed Martin, Bombardier, Embraer, ATR, Cessna, and Gulfstream.

The key fluid conveyance system manufacturers for aerospace & defense industry are Eaton Aerospace, Park Hannifin, Senior Aerospace, Zodiac Aerospace, ITT Aerospace, Flexfab, and Unison Industries. New product development, long term contracts, and collaboration with OEMs are the key strategies adopted by the key players to gain

competitive edge in the market.

## Research Methodology

Our reports offer high quality insights and are the outcome of detailed research methodology comprising extensive secondary research, rigorous primary interviews with industry stakeholders and validation and triangulation with Stratview Research's internal database and statistical tools. We leverage more than 1,000 authenticated secondary sources, such as company annual reports, fact book, press release, journals, investor presentation, white papers, patents, and articles to gather the data. More than 10 detailed primary interviews with the market players across the value chain in all the four regions and industry experts are usually executed to obtain both qualitative and quantitative insights.

## Report Features

This report provides market intelligence in the most comprehensive way. The report structure has been kept such that it offers maximum business value. It provides critical insights on the market dynamics and will enable strategic decision making for the existing market players as well as those willing to enter the market. The following are the key features of the report:

Market structure: Overview, industry life cycle analysis, supply chain analysis.

Market environment analysis: Growth drivers and constraints, Porter's five forces analysis, SWOT analysis.

Market trend and forecast analysis.

Market segment trend and forecast.

Competitive landscape and dynamics: Market share, product portfolio, product launches, etc.

Attractive market segments and associated growth opportunities.

Emerging trends.

Strategic growth opportunities for the existing and new players.

Key success factors.

The global aerospace & defense fluid conveyance systems market is segmented into the following categories in the report:

Global Aerospace & Defense Fluid Conveyance Systems Market by Aircraft Type:

Commercial Aircraft

Regional Aircraft

General Aviation

Helicopter

Military Aircraft

Global Aerospace & Defense Fluid Conveyance Systems Market by Application:

Fuel based Fluid Conveyance System

Air based Fluid Conveyance System

Hydraulic based Fluid Conveyance System

Global Aerospace & Defense Fluid Conveyance Systems Market by Product Type:

Hose and Tubes

High Pressure Ducts

Low Pressure Ducts

Others

## Global Aerospace & Defense Fluid Conveyance Systems Market by Material Type:

Titanium and Titanium Alloys

Stainless Steel and Alloys

Composites

Others

## Global Aerospace & Defense Fluid Conveyance Systems Market by Region:

North America

Europe

Asia-Pacific

Rest of the World

Report Customization Options

With this detailed report, Stratview Research offers one of the following free customization options to our respectable clients:

Company Profiling

Detailed profiling of additional market players (upto 3)

SWOT analysis of key players (upto 3)

Geographic Analysis

Further segmentation of North America into USA, Canada and Mexico

Regional Segmentation

Current market segmentation of any one of the region by application

Custom Research: Stratview Research offers custom research services across sectors. In case of any custom research requirement related to market assessment, competitive benchmarking, sourcing and procurement, target screening, and others, please send your enquiry to [sales@stratviewresearch.com](mailto:sales@stratviewresearch.com).

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