Aircraft Electrical Systems Market by Technology, Component, Application, Platform, & Region - Global Forecast to 2022

Description: "Aircraft Electrical Systems Market by Technology (Power Generation, Conversion, Distribution, Energy Storage), Component (IDG, VFG, APU, TRU, GCU, Power Electronics, Power Distribution Systems), Application, Platform, & Region - Global Forecast to 2022"

"The aircraft electrical systems market is projected to grow at a CAGR of 6.45% during the forecast period"

The growth of the aircraft electrical systems market is dependent upon the increasing demand for low-cost electrical systems such as fibre cables, electric invertors and convertors, fuel-efficient aircraft, unmanned aerial vehicles, and more electric architecture in various countries across the world. The aircraft electrical systems market is projected to grow from USD 17.04 billion in 2016 to USD 24.79 billion by 2022, at a CAGR of 6.45% from 2016 to 2022. On board aircraft electrical systems failures and aircraft order backlogs are expected to hinder market growth during the forecast period.

"The variable frequency generator component segment is projected to grow at the highest CAGR from 2016 to 2022"

Based on component, the aircraft electrical systems market has been segmented into, integrated drive generator, variable frequency generator, auxiliary power unit, transformer rectifier unit, generator control unit, power electronics, power distribution systems, and others.

The Variable Frequency Generator (VFG) segment is projected to grow at the highest CAGR of 8.00% during the forecast period. The increasing demand for wide body and very large aircraft is expected to lead to the growth of the VFG segment, as these generators are expected to replace Integrated Drive Generators (IDG) in the coming years. With a VFG on board, aircraft AC electrical systems no longer have to rely on pneumatic starting equipment.

"The Asia-Pacific aircraft electrical systems market is projected to grow at the highest CAGR from 2016 to 2022"

The aircraft electrical systems market in the Asia-Pacific region is projected to grow at the highest CAGR during the forecast period. This expected high growth is attributed to the increasing passenger traffic which is expected to lead to a rise in the demand for fuel-efficient aircraft.

Apart from this, new aviation rules by the Government of India in areas related to the developments on open-skies, code-sharing, and Foreign Direct Investment (FDI) are expected to benefit aircraft manufacturers in terms of generating demand from the Indian aviation market. These rules are expected to enable key players such as Airbus Group (Netherlands) and Boeing Company (U.S.), to set up manufacturing units in India. These, as well as the increasing investments in the defense sector by countries in this region are expected to drive the aircraft electrical systems market.

Break-up of profiles of primary participants for this report:

- 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 - 45%, Europe - 20%, Asia-Pacific - 30%, and RoW - 5%

Thales Group (France), United Technologies Corporation (U.S.), Zodiac Aerospace (France), Safran S.A.(Sweden), Honeywell International, Inc. (U.S.), Astronics Corporation (U.S.), among others, are the key players operating in the aircraft electrical systems market.

Study Coverage

This report segments the aircraft electrical systems market on the basis of technology, application, platform, component, and region. Based on technology, the aircraft electrical systems market has been segmented
into power generation, power conversion, power distribution, and energy storage device. Based on application, the market has been segmented into aircraft utility management, configuration management, flight control & operations, power generation management, and others.

The component segment includes integrated drive generator, variable frequency generator, auxiliary power unit, transformer rectifier unit, generator control unit, power electronics, power distribution systems, and others. On the basis of platform, the market has been segmented into fixed wing (narrow body aircraft, wide body aircraft, very large aircraft, regional transportation, business jets, UAVs, and military aircraft), and rotary wing.

Reasons to Buy the Report:

From an insight perspective, the aircraft electrical systems market report focuses on various levels of analyses - industry analysis, market rank analysis, and company profiles, which together comprise and discuss basic views on the competitive landscape, high-growth regions, and countries as well as their respective regulatory policies, drivers, restraints, and opportunities in the aircraft electrical systems market.

The aircraft electrical systems market report provides insights on the following pointers:

- Market Penetration: Comprehensive mapping of the competitive landscape and behavior of participants in the aircraft electrical systems market
- Market Size: Market sizes for the financial year, 2014-2015 and for the forecast period, 2016 to 2022
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the aircraft electrical systems market
- Market Overview: Market dynamics and subsequent analysis of associated trends, drivers, restraints, and opportunities prevailing in the aircraft electrical systems market
- Market Development: Comprehensive information about lucrative markets with an analysis of markets for aircraft electrical systems across varied regions
- Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the aircraft electrical systems market
- Regional Analysis: Factors influencing market shares in North America, Europe, the Middle East, Asia-Pacific, and the rest of the world
- Competitive Assessment: In-depth assessment of strategies, products, and manufacturing capabilities of leading market players

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