

Global Aircraft Electrical System Market Size study with COVID-19 impact, by Technology (Power generation, Power distribution, Energy storage devices and Power conversion), by Application (Aircraft Utility management, Configuration management, Power generation management and Flight controls & operation), Components (Variable Frequency Generator, Generator Control Unit, Power Electronics, Transformer Rectifier Unit, Power Distribution Systems and Integrated Drive Generator), by Platform (Fixed wings and Rotary wings) and Regional Forecasts 2020-2027

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Abstracts

Global Aircraft Electrical System Market is valued approximately USD 18112.36 Million in 2019 and is anticipated to grow with a healthy growth rate of more than 6.80 over the forecast period 2020-2027. An electrical system is an integral and vital component of all however the most simplistic of plane designs. All plane electrical structures have additives with the capacity to generate power. Relying upon the plane, turbines or alternators are used to supply electricity. These are engines pushed but can also be powered by way of an auxiliary power unit (APU), a hydraulic motor or a Ram Air Turbine (RAT). Electrical parameters are chosen with the intention of minimizing the weight of motors, generators, and transformers and thus, higher frequency power systems are generally employed. Thus, the global rise in manufacturing of aircrafts by key market players from across the globe is driving the growth of market over the

forecast years. For instance: as per Statista, in 2017, top aircraft manufacturers and suppliers such as Boeing Co., Airbus Group SE, Lockheed martin corp., United technologies corp. and General Electric aviation etc. has revenue of over USD 94 Million, USD 63.9 Million, USD 50 Million, USD 30.9 Million and USD 27 Million and is grown to USD 101 Million, USD 75.10 Million, USD 53.8 Million, USD 36.03 Million and USD 30.6 Million, respectively. In addition, technological advancement in aircraft electrical systems is the factor driving the growth of market over the forecast years. However, stringent regulatory norms and power density & efficiency concerns associated with aircraft electrical are the factors hampering the market growth.

The regional analysis of global Aircraft Electrical System Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to the rise in air traffic and demand for light weight aircraft. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2027. Factors such as growth in manufacturing and supply of aviation and technological advancement in it would create lucrative growth prospects for the Aircraft Electrical System Market across Asia-Pacific region.

Major market player included in this report are:

Hartzell Engine Technologies, LLC

Thales Group

Zodiac Aerospace

United Technologies Corporation

Crane Aerospace and Electronics

Astronics Corporation

Safran S.A.

GE Aviation

Honeywell International, Inc.

Elbit Systems Ltd.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Technology offerings of

key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

- Power generation
- Power distribution
- Energy storage devices
- Power conversion

By Application:

- Aircraft Utility management
- Configuration management
- Power generation management
- Flight controls & operation

By Components:

- Variable Frequency Generator
- Generator Control Unit
- Power Electronics
- Transformer Rectifier Unit
- Power Distribution Systems
- Integrated Drive Generator

By Platform:

- Fixed wings
- Rotary wings

By Region:

- North America
 - U.S.
 - Canada
- Europe
 - UK
 - Germany
 - France
 - Spain
 - Italy
 - ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018

Base year – 2019

Forecast period – 2020 to 2027

Target Audience of the Global Aircraft Electrical System Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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COMPANIES MENTIONED

Hartzell Engine Technologies, LLC

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Zodiac Aerospace
United Technologies Corporation
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Astronics Corporation
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