

Aircraft Electrification Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Component (Batteries, Fuel Cells, Electric Actuators, Generators, Motors, Power Electronics, Distribution Devices, Others), By Application (Power Generation, Power Distribution, Power Conversion, Energy Storage), By Technology (More Electric, Hybrid Electric, Fully Electric), By Region & Competition, 2019-2029F

<https://marketpublishers.com/r/A1504B94E274EN.html>

Date: November 2024

Pages: 180

Price: US\$ 4,500.00 (Single User License)

ID: A1504B94E274EN

Abstracts

The Global Aircraft Electrification Market size reached USD 34.91 billion in 2023 and is expected to grow with a CAGR of 7.52% in the forecast period through 2029. The Global Aircraft Electrification Market is undergoing a transformative shift in the aviation industry as it embraces electrification to enhance performance, reduce emissions, and increase efficiency. This market encompasses a wide array of electrical and electronic systems that are being integrated into aircraft, revolutionizing their design and operations. A key driver of this market is the aviation sector's commitment to environmental sustainability. As concerns about carbon emissions and climate change escalate, aircraft electrification is seen as a pivotal strategy to reduce the environmental footprint of air travel. The adoption of electric and hybrid-electric propulsion systems, along with more efficient electrical components, is becoming increasingly common. These technologies promise to reduce the reliance on traditional, fuel-burning engines, resulting in lower emissions and enhanced fuel efficiency. Sustainable aviation is a top priority for the industry, and aircraft electrification plays a central role in achieving these goals. Technological advancements in the field of electrical systems are also propelling the growth of this market. The development of advanced power electronics, electric

motors, and energy storage systems is driving the electrification of various aircraft functions. Electric aircraft are not limited to passenger planes; they are extending to urban air mobility, cargo drones, and regional aircraft, catering to diverse aviation segments. Additionally, innovations in electrical architecture and aircraft systems management are improving the reliability and safety of electrified aircraft components. The market is witnessing increasing investments in research and development as aviation stakeholders strive to design and implement cutting-edge electric aircraft technologies. Manufacturers, airlines, and governments worldwide are recognizing the long-term benefits of aircraft electrification, including reduced operating costs and enhanced sustainability. Collaboration between aviation companies, academia, and government bodies is fostering innovation and ensuring that aircraft electrification remains at the forefront of the industry's transformation. In summary, the Global Aircraft Electrification Market is on the brink of a revolutionary shift in aviation. Driven by environmental concerns, technological advancements, and collaborative efforts, this market is steering the industry toward more sustainable and efficient air travel. Electrification is not just a trend but a transformative force that promises to shape the future of aviation, ultimately reducing emissions and enhancing the performance of aircraft across various segments.

Key Market Drivers

Environmental Sustainability

The paramount driver of the Global Aircraft Electrification Market is the aviation industry's commitment to environmental sustainability. With increasing concerns over carbon emissions and climate change, aircraft electrification is a pivotal strategy to reduce the environmental footprint of air travel. Electric and hybrid-electric propulsion systems, as well as more efficient electrical components, are being adopted to minimize reliance on traditional fuel-burning engines, resulting in reduced emissions and enhanced fuel efficiency. As environmental regulations become more stringent, electrification is a proactive approach to meet sustainability goals and mitigate the aviation sector's impact on the environment.

Technological Advancements

Rapid advancements in electrical systems and technologies are propelling the growth of the aircraft electrification market. Cutting-edge developments in power electronics, electric motors, and energy storage systems are making it possible to electrify various aircraft functions, from propulsion to avionics. These advancements are reshaping

aircraft design and operation, enhancing efficiency, and improving the overall performance and safety of electrified aircraft components.

Cost Reduction

Airlines and aircraft manufacturers are increasingly focusing on cost reduction through electrification. Electric and hybrid-electric propulsion systems have the potential to reduce operating costs significantly. Electric aircraft typically have fewer moving parts, which lowers maintenance expenses. Additionally, the price of electricity is often more stable than aviation fuel, offering airlines a more predictable cost structure. Reduced fuel consumption and emissions also align with cost-saving efforts, making electrification an attractive option for airlines looking to improve profitability.

Government Support and Regulations

Government bodies worldwide are supporting and encouraging the development and adoption of electric aircraft technologies. In some cases, governments offer financial incentives and grants to promote electrification initiatives. Regulatory bodies are also introducing more stringent emissions standards and noise restrictions, driving the need for quieter and more environmentally friendly electric propulsion systems. These regulatory changes are motivating aircraft manufacturers to invest in electrification solutions to remain compliant and competitive in the global aviation market.

Urban Air Mobility (UAM)

The emerging market of Urban Air Mobility, which includes electric vertical takeoff and landing (eVTOL) aircraft, is a significant driver for aircraft electrification. UAM is set to revolutionize urban transportation by providing on-demand, short-distance air travel. Electric aircraft are ideal for UAM due to their low noise levels and minimal emissions. The growth of UAM is prompting increased investment in electric propulsion technologies and infrastructure to support this transformative mode of transportation.

Reduced Noise Levels

Aircraft electrification contributes to quieter flight operations. Electric propulsion systems generate less noise than traditional jet engines, which is particularly important in urban and suburban areas where noise pollution is a major concern. Reduced noise levels not only enhance the passenger experience but also enable aircraft to operate more freely in areas where noise restrictions apply, expanding the potential for electric aircraft in

various market segments.

Market Competitiveness

Aircraft electrification is seen as a competitive advantage. Airlines and manufacturers that embrace electrification are positioning themselves as leaders in the industry, distinguishing their offerings as more sustainable and technologically advanced. This strategic edge is driving competition and innovation as companies strive to stay at the forefront of the changing aviation landscape.

Research and Development Investments

Increasing investments in research and development (R&D) activities are shaping the aircraft electrification market. Manufacturers, airlines, and government organizations are dedicating substantial resources to R&D to design and implement cutting-edge electric aircraft technologies. Collaboration among aviation companies, academia, and government bodies fosters innovation and ensures that electrification remains a central focus, promoting long-term growth and evolution in the market.

Key Market Challenges

Battery Technology and Energy Density

The development of advanced battery technology with higher energy density is one of the foremost challenges in the Global Aircraft Electrification Market. Electric aircraft require batteries capable of storing sufficient energy to sustain longer flights, which remains a significant technological hurdle. Current battery technology limitations pose constraints on the range and endurance of electric aircraft, particularly for commercial and long-haul flights.

Weight Considerations

Electric propulsion systems, including batteries and electric motors, tend to be heavier than traditional jet engines. Managing weight is a critical challenge for aircraft electrification, as excess weight can impact the aircraft's performance, reducing its range and efficiency. Balancing the need for robust structural integrity with weight reduction is a complex engineering task that aircraft manufacturers must address.

Charging Infrastructure

Establishing a comprehensive electric aircraft charging infrastructure is a substantial challenge. Electric aircraft require specialized charging facilities that can deliver high-power charging, similar to refueling processes for conventional aircraft. Developing this infrastructure, including the design of charging stations and their integration with existing airport operations, poses logistical and financial challenges.

Regulatory Approval

Achieving regulatory approval for electric aircraft is a complex and time-consuming process. Aviation authorities, such as the Federal Aviation Administration (FAA) in the United States and the European Union Aviation Safety Agency (EASA), must adapt their certification processes to accommodate electric aircraft. Ensuring the safety and reliability of these new technologies while adhering to established aviation standards is a significant regulatory challenge.

Hybrid Systems Integration

Hybrid-electric aircraft, which combine traditional internal combustion engines with electric propulsion systems, pose integration challenges. Coordinating the operation of both systems and ensuring seamless transitions between them require extensive engineering and testing to optimize aircraft performance.

Infrastructure Adaptation

Adapting existing airport infrastructure to support electric aircraft is a considerable challenge. Airports must invest in the construction of new charging and maintenance facilities while ensuring that operations remain efficient and seamless during the transition. The adaptation of existing ground support equipment and ground operations also necessitates careful planning.

Economic Viability

The economic viability of electric aircraft remains a challenge. High initial costs for research, development, and manufacturing, combined with uncertainties regarding long-term operational costs and the resale value of electric aircraft, can deter airlines from making substantial investments. Achieving a clear and favorable economic model for electric aircraft is a critical hurdle.

Key Market Trends

Hybrid-Electric Propulsion

The Global Aircraft Electrification Market is witnessing a notable trend toward hybrid-electric propulsion systems. Hybrid aircraft combine traditional internal combustion engines with electric motors, offering a balance between fuel efficiency and electrification. These systems extend the range and endurance of electric aircraft while reducing emissions. Manufacturers are investing in hybrid-electric aircraft development, particularly for regional and small commuter planes.

Urban Air Mobility (UAM)

The rise of Urban Air Mobility is driving significant interest in aircraft electrification. UAM encompasses electric vertical takeoff and landing (eVTOL) aircraft designed for short urban commutes. These electric aircraft are quiet, produce minimal emissions, and offer an efficient mode of transportation for congested urban areas. Major players are investing in eVTOL technology and infrastructure to support this transformative mode of travel.

Sustainable Aviation Fuels (SAFs)

The integration of sustainable aviation fuels is a prominent trend in the aircraft electrification market. Airlines are increasingly using SAFs in combination with electric propulsion to reduce carbon emissions. SAFs are compatible with hybrid-electric aircraft, offering a sustainable alternative to traditional aviation fuels.

Advanced Battery Technology

Developments in battery technology are a critical trend, with a focus on enhancing energy density and efficiency. Researchers and manufacturers are working on high-capacity, lightweight batteries that can extend the range and endurance of electric aircraft. Solid-state batteries and novel chemistries are being explored to overcome current limitations.

Urban Airports

Urban airports are adapting to accommodate electric aircraft, promoting shorter travel distances and supporting sustainable aviation initiatives. Airports located closer to city

centers are facilitating the growth of electric aviation, offering more convenient transportation options for passengers.

Aircraft Retrofitting

The retrofitting of existing aircraft with electric propulsion systems is gaining momentum. Retrofitting enables airlines to electrify their fleets without the need for entirely new aircraft. Companies specializing in electric propulsion systems are working on retrofit solutions that can be applied to various aircraft models.

Battery Charging Infrastructure

The development of extensive battery charging infrastructure is a key trend in the market. Airports are investing in high-power charging stations capable of rapidly recharging electric aircraft. This infrastructure is critical for the efficient operation of electric aircraft and is being integrated into airport master plans.

Segmental Insights

By Component

Electric motors are at the heart of aircraft electrification. They provide the necessary power to drive propellers or fans, replacing traditional jet engines. Electric motors are becoming more powerful, efficient, and compact, allowing for a wide range of applications, from small electric drones to commercial aircraft.

Power electronics include inverters, converters, and controllers that manage the electrical energy flow within the aircraft. They convert DC power from batteries to the AC power required for electric motors and other systems. Advanced power electronics play a pivotal role in optimizing energy efficiency and overall aircraft performance.

Batteries and energy storage systems are essential components for electric aircraft. High-capacity batteries store and supply electrical energy for propulsion and other aircraft functions. Ongoing advancements in battery technology are increasing energy density and reliability, allowing for longer flight ranges and endurance.

Efficient electrical distribution systems are critical for electric aircraft. Advanced wiring and connectors are designed to handle high-voltage systems, reduce energy loss, and ensure safe and reliable power distribution. Lightweight and durable materials are used

to meet aerospace standards.

Avionics systems have a significant role in electric aircraft. They control and monitor electric propulsion, energy management, and flight operations. Enhanced avionics and control systems offer real-time data analysis, improving safety and efficiency.

The propulsion system of electric aircraft includes advanced propellers and fans that are designed for electric motors. These components are optimized for noise reduction and energy efficiency, contributing to quieter and more sustainable flight.

Electric aircraft may feature electromechanical or electro hydrostatic actuators for flight control surfaces such as ailerons, elevators, and rudders. These actuators are electrically driven and provide precise control.

Efficient heat management systems are crucial for electric aircraft, as electric components generate heat during operation. Cooling and thermal management systems ensure that electrical systems operate within safe temperature ranges.

The use of advanced lightweight materials, including composites and advanced alloys, is integral to the design of electric aircraft components. These materials reduce overall weight and enhance performance, contributing to the aircraft's efficiency and range.

Sensors and Safety Systems: Electric aircraft are equipped with a range of sensors and safety systems to monitor various parameters, detect potential issues, and ensure the safety of flight operations. These systems include sensors for temperature, pressure, and voltage, as well as emergency safety mechanisms.

The Component segment of the aircraft electrification market encompasses a diverse array of technologies and materials that collectively enable the transformation of aviation toward more sustainable, efficient, and innovative electric aircraft. The continuous development and integration of these components are driving the industry toward a greener and more electrified future.

Regional Insights

North America is a major hub for aircraft electrification. The region is home to numerous aircraft manufacturers, innovative startups, and research institutions at the forefront of electric aviation. The United States, in particular, is driving advancements in electric propulsion and urban air mobility. Regulatory support, government incentives, and the

presence of key players like Boeing and NASA are fostering a thriving ecosystem for electric aircraft development.

Europe is a leader in promoting sustainable aviation and reducing carbon emissions. The European Union has set ambitious targets for carbon-neutral aviation, encouraging the adoption of electric and hybrid-electric aircraft. Countries like Germany, France, and the United Kingdom are actively involved in research and development efforts, with a focus on electric air taxis, regional electric aircraft, and urban air mobility solutions.

The Asia-Pacific region is witnessing significant growth in the adoption of electric aircraft technology. Countries like China are investing in the development of electric air taxis and electric general aviation aircraft. Japan is also actively participating in electric aviation research and development. The region's strong manufacturing capabilities and growing demand for air travel are propelling the development of electric aircraft.

The Middle East is emerging as a hub for electric vertical takeoff and landing (eVTOL) and urban air mobility initiatives. The region's strategic location offers opportunities for electric aircraft connectivity between continents. African countries are exploring electric aircraft for regional transportation, tapping into the potential for reduced operational costs and enhanced accessibility to remote areas.

Key Market Players

RTX Corporation

Amphenol Corporation

Honeywell International Inc.

Thales S.A.

General Electric Company

Acme Aerospace Inc. & Avionic Instruments LLC

Astronics Corporation

Crane Aerospace & Electronics

Ametek, Inc.

Hartzell Engine Technologies LLC

Report Scope:

In this report, the Global Aircraft Electrification Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Aircraft Electrification Market, By Component:

Batteries

Fuel Cells

Electric Actuators

Generators

Motors

Power Electronics

Distribution Devices

Others

Aircraft Electrification Market, By Application:

Power Generation

Power Distribution

Power Conversion

Energy Storage

Aircraft Electrification Market, By Technology:

More Electric

Hybrid Electric

Fully Electric

Aircraft Electrification Market, By Region:

North America

United States

Canada

Mexico

Europe & CIS

Germany

Spain

France

Russia

Italy

United Kingdom

Belgium

Asia-Pacific

China

India

Japan

Indonesia

Thailand

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

Turkey

Iran

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the Global Aircraft Electrification Market.

Available Customizations:

Global Aircraft Electrification Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following

customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. INTRODUCTION

- 1.1. Market Overview
- 1.2. Key Highlights of the Report
- 1.3. Market Coverage
- 1.4. Market Segments Covered
- 1.5. Research Tenure Considered

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Market Overview
- 3.2. Market Forecast
- 3.3. Key Regions
- 3.4. Key Segments

4. IMPACT OF COVID-19 ON GLOBAL AIRCRAFT ELECTRIFICATION MARKET

5. GLOBAL AIRCRAFT ELECTRIFICATION MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Volume & Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Component Market Share Analysis (Batteries, Fuel Cells, Electric Actuators, Generators, Motors, Power Electronics, Distribution Devices, Others)
 - 5.2.2. By Application Market Share Analysis (Power Generation, Power Distribution, Power Conversion, Energy Storage)
 - 5.2.3. By Technology Market Share Analysis (More Electric, Hybrid Electric, Fully

Electric)

5.2.4. By Regional Market Share Analysis

5.2.4.1. Asia-Pacific Market Share Analysis

5.2.4.2. Europe & CIS Market Share Analysis

5.2.4.3. North America Market Share Analysis

5.2.4.4. South America Market Share Analysis

5.2.4.5. Middle East & Africa Market Share Analysis

5.2.5. By Company Market Share Analysis (Top 5 Companies, Others - By Value, 2023)

5.3. Global Aircraft Electrification Market Mapping & Opportunity Assessment

5.3.1. By Component Market Mapping & Opportunity Assessment

5.3.2. By Application Market Mapping & Opportunity Assessment

5.3.3. By Technology Market Mapping & Opportunity Assessment

5.3.4. By Regional Market Mapping & Opportunity Assessment

6. ASIA-PACIFIC AIRCRAFT ELECTRIFICATION MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Volume & Value

6.2. Market Share & Forecast

6.2.1. By Component Market Share Analysis

6.2.2. By Application Market Share Analysis

6.2.3. By Technology Market Share Analysis

6.2.4. By Country Market Share Analysis

6.2.4.1. China Market Share Analysis

6.2.4.2. India Market Share Analysis

6.2.4.3. Japan Market Share Analysis

6.2.4.4. Indonesia Market Share Analysis

6.2.4.5. Thailand Market Share Analysis

6.2.4.6. South Korea Market Share Analysis

6.2.4.7. Australia Market Share Analysis

6.2.4.8. Rest of Asia-Pacific Market Share Analysis

6.3. Asia-Pacific: Country Analysis

6.3.1. China Aircraft Electrification Market Outlook

6.3.1.1. Market Size & Forecast

6.3.1.1.1. By Volume & Value

6.3.1.2. Market Share & Forecast

6.3.1.2.1. By Component Market Share Analysis

6.3.1.2.2. By Application Market Share Analysis

- 6.3.1.2.3. By Technology Market Share Analysis
- 6.3.2. India Aircraft Electrification Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Volume & Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Component Market Share Analysis
 - 6.3.2.2.2. By Application Market Share Analysis
 - 6.3.2.2.3. By Technology Market Share Analysis
- 6.3.3. Japan Aircraft Electrification Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Volume & Value
 - 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Component Market Share Analysis
 - 6.3.3.2.2. By Application Market Share Analysis
 - 6.3.3.2.3. By Technology Market Share Analysis
- 6.3.4. Indonesia Aircraft Electrification Market Outlook
 - 6.3.4.1. Market Size & Forecast
 - 6.3.4.1.1. By Volume & Value
 - 6.3.4.2. Market Share & Forecast
 - 6.3.4.2.1. By Component Market Share Analysis
 - 6.3.4.2.2. By Application Market Share Analysis
 - 6.3.4.2.3. By Technology Market Share Analysis
- 6.3.5. Thailand Aircraft Electrification Market Outlook
 - 6.3.5.1. Market Size & Forecast
 - 6.3.5.1.1. By Volume & Value
 - 6.3.5.2. Market Share & Forecast
 - 6.3.5.2.1. By Component Market Share Analysis
 - 6.3.5.2.2. By Application Market Share Analysis
 - 6.3.5.2.3. By Technology Market Share Analysis
- 6.3.6. South Korea Aircraft Electrification Market Outlook
 - 6.3.6.1. Market Size & Forecast
 - 6.3.6.1.1. By Volume & Value
 - 6.3.6.2. Market Share & Forecast
 - 6.3.6.2.1. By Component Market Share Analysis
 - 6.3.6.2.2. By Application Market Share Analysis
 - 6.3.6.2.3. By Technology Market Share Analysis
- 6.3.7. Australia Aircraft Electrification Market Outlook
 - 6.3.7.1. Market Size & Forecast
 - 6.3.7.1.1. By Volume & Value

6.3.7.2. Market Share & Forecast

6.3.7.2.1. By Component Market Share Analysis

6.3.7.2.2. By Application Market Share Analysis

6.3.7.2.3. By Technology Market Share Analysis

7. EUROPE & CIS AIRCRAFT ELECTRIFICATION MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Volume & Value

7.2. Market Share & Forecast

7.2.1. By Component Market Share Analysis

7.2.2. By Application Market Share Analysis

7.2.3. By Technology Market Share Analysis

7.2.4. By Country Market Share Analysis

7.2.4.1. Germany Market Share Analysis

7.2.4.2. Spain Market Share Analysis

7.2.4.3. France Market Share Analysis

7.2.4.4. Russia Market Share Analysis

7.2.4.5. Italy Market Share Analysis

7.2.4.6. United Kingdom Market Share Analysis

7.2.4.7. Belgium Market Share Analysis

7.2.4.8. Rest of Europe & CIS Market Share Analysis

7.3. Europe & CIS: Country Analysis

7.3.1. Germany Aircraft Electrification Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Volume & Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Component Market Share Analysis

7.3.1.2.2. By Application Market Share Analysis

7.3.1.2.3. By Technology Market Share Analysis

7.3.2. Spain Aircraft Electrification Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Volume & Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Component Market Share Analysis

7.3.2.2.2. By Application Market Share Analysis

7.3.2.2.3. By Technology Market Share Analysis

7.3.3. France Aircraft Electrification Market Outlook

7.3.3.1. Market Size & Forecast

- 7.3.3.1.1. By Volume & Value
- 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Component Market Share Analysis
 - 7.3.3.2.2. By Application Market Share Analysis
 - 7.3.3.2.3. By Technology Market Share Analysis
- 7.3.4. Russia Aircraft Electrification Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Volume & Value
 - 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Component Market Share Analysis
 - 7.3.4.2.2. By Application Market Share Analysis
 - 7.3.4.2.3. By Technology Market Share Analysis
- 7.3.5. Italy Aircraft Electrification Market Outlook
 - 7.3.5.1. Market Size & Forecast
 - 7.3.5.1.1. By Volume & Value
 - 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Component Market Share Analysis
 - 7.3.5.2.2. By Application Market Share Analysis
 - 7.3.5.2.3. By Technology Market Share Analysis
- 7.3.6. United Kingdom Aircraft Electrification Market Outlook
 - 7.3.6.1. Market Size & Forecast
 - 7.3.6.1.1. By Volume & Value
 - 7.3.6.2. Market Share & Forecast
 - 7.3.6.2.1. By Component Market Share Analysis
 - 7.3.6.2.2. By Application Market Share Analysis
 - 7.3.6.2.3. By Technology Market Share Analysis
- 7.3.7. Belgium Aircraft Electrification Market Outlook
 - 7.3.7.1. Market Size & Forecast
 - 7.3.7.1.1. By Volume & Value
 - 7.3.7.2. Market Share & Forecast
 - 7.3.7.2.1. By Component Market Share Analysis
 - 7.3.7.2.2. By ApplicationMarket Share Analysis
 - 7.3.7.2.3. By Technology Market Share Analysis

8. NORTH AMERICA AIRCRAFT ELECTRIFICATION MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Volume & Value
- 8.2. Market Share & Forecast

- 8.2.1. By Component Market Share Analysis
- 8.2.2. By Application Market Share Analysis
- 8.2.3. By Technology Market Share Analysis
- 8.2.4. By Country Market Share Analysis
 - 8.2.4.1. United States Market Share Analysis
 - 8.2.4.2. Mexico Market Share Analysis
 - 8.2.4.3. Canada Market Share Analysis
- 8.3. North America: Country Analysis
 - 8.3.1. United States Aircraft Electrification Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Volume & Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Component Market Share Analysis
 - 8.3.1.2.2. By Application Market Share Analysis
 - 8.3.1.2.3. By Technology Market Share Analysis
 - 8.3.2. Mexico Aircraft Electrification Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Volume & Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Component Market Share Analysis
 - 8.3.2.2.2. By Application Market Share Analysis
 - 8.3.2.2.3. By Technology Market Share Analysis
 - 8.3.3. Canada Aircraft Electrification Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Volume & Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Component Market Share Analysis
 - 8.3.3.2.2. By Application Market Share Analysis
 - 8.3.3.2.3. By Technology Market Share Analysis

9. SOUTH AMERICA AIRCRAFT ELECTRIFICATION MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Volume & Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Component Market Share Analysis
 - 9.2.2. By Application Market Share Analysis
 - 9.2.3. By Technology Market Share Analysis
 - 9.2.4. By Country Market Share Analysis

- 9.2.4.1. Brazil Market Share Analysis
- 9.2.4.2. Argentina Market Share Analysis
- 9.2.4.3. Colombia Market Share Analysis
- 9.2.4.4. Rest of South America Market Share Analysis
- 9.3. South America: Country Analysis
 - 9.3.1. Brazil Aircraft Electrification Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Volume & Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Component Market Share Analysis
 - 9.3.1.2.2. By Application Market Share Analysis
 - 9.3.1.2.3. By Technology Market Share Analysis
 - 9.3.2. Colombia Aircraft Electrification Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Volume & Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Component Market Share Analysis
 - 9.3.2.2.2. By Application Market Share Analysis
 - 9.3.2.2.3. By Technology Market Share Analysis
 - 9.3.3. Argentina Aircraft Electrification Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Volume & Value
 - 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Component Market Share Analysis
 - 9.3.3.2.2. By Application Market Share Analysis
 - 9.3.3.2.3. By Technology Market Share Analysis

10. MIDDLE EAST & AFRICA AIRCRAFT ELECTRIFICATION MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Volume & Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Component Market Share Analysis
 - 10.2.2. By Application Market Share Analysis
 - 10.2.3. By Technology Market Share Analysis
 - 10.2.4. By Country Market Share Analysis
 - 10.2.4.1. Turkey Market Share Analysis
 - 10.2.4.2. Iran Market Share Analysis
 - 10.2.4.3. Saudi Arabia Market Share Analysis

- 10.2.4.4. UAE Market Share Analysis
- 10.2.4.5. Rest of Middle East & Africa Market Share Analysis
- 10.3. Middle East & Africa: Country Analysis
 - 10.3.1. Turkey Aircraft Electrification Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Volume & Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Component Market Share Analysis
 - 10.3.1.2.2. By Application Market Share Analysis
 - 10.3.1.2.3. By Technology Market Share Analysis
 - 10.3.2. Iran Aircraft Electrification Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Volume & Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Component Market Share Analysis
 - 10.3.2.2.2. By Application Market Share Analysis
 - 10.3.2.2.3. By Technology Market Share Analysis
 - 10.3.3. Saudi Arabia Aircraft Electrification Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Volume & Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Component Market Share Analysis
 - 10.3.3.2.2. By Application Market Share Analysis
 - 10.3.3.2.3. By Technology Market Share Analysis
 - 10.3.4. UAE Aircraft Electrification Market Outlook
 - 10.3.4.1. Market Size & Forecast
 - 10.3.4.1.1. By Volume & Value
 - 10.3.4.2. Market Share & Forecast
 - 10.3.4.2.1. By Component Market Share Analysis
 - 10.3.4.2.2. By Application Market Share Analysis
 - 10.3.4.2.3. By Technology Market Share Analysis

11. SWOT ANALYSIS

- 11.1. Strength
- 11.2. Weakness
- 11.3. Opportunities
- 11.4. Threats

12. MARKET DYNAMICS

12.1. Market Drivers

12.2. Market Challenges

13. MARKET TRENDS AND DEVELOPMENTS

14. COMPETITIVE LANDSCAPE

14.1. Company Profiles (Up to 10 Major Companies)

14.1.1. RTX Corporation

14.1.1.1. Company Details

14.1.1.2. Key Product Offered

14.1.1.3. Financials (As Per Availability)

14.1.1.4. Recent Developments

14.1.1.5. Key Management Personnel

14.1.2. Amphenol Corporation

14.1.2.1. Company Details

14.1.2.2. Key Product Offered

14.1.2.3. Financials (As Per Availability)

14.1.2.4. Recent Developments

14.1.2.5. Key Management Personnel

14.1.3. Honeywell International Inc

14.1.3.1. Company Details

14.1.3.2. Key Product Offered

14.1.3.3. Financials (As Per Availability)

14.1.3.4. Recent Developments

14.1.3.5. Key Management Personnel

14.1.4. Thales S.A.

14.1.4.1. Company Details

14.1.4.2. Key Product Offered

14.1.4.3. Financials (As Per Availability)

14.1.4.4. Recent Developments

14.1.4.5. Key Management Personnel

14.1.5. General Electric Company

14.1.5.1. Company Details

14.1.5.2. Key Product Offered

14.1.5.3. Financials (As Per Availability)

14.1.5.4. Recent Developments

- 14.1.5.5. Key Management Personnel
- 14.1.6. Acme Aerospace Inc. & Avionic Instruments LLC
 - 14.1.6.1. Company Details
 - 14.1.6.2. Key Product Offered
 - 14.1.6.3. Financials (As Per Availability)
 - 14.1.6.4. Recent Developments
 - 14.1.6.5. Key Management Personnel
- 14.1.7. Astronics Corporation
 - 14.1.7.1. Company Details
 - 14.1.7.2. Key Product Offered
 - 14.1.7.3. Financials (As Per Availability)
 - 14.1.7.4. Recent Developments
 - 14.1.7.5. Key Management Personnel
- 14.1.8. Ametek, Inc.
 - 14.1.8.1. Company Details
 - 14.1.8.2. Key Product Offered
 - 14.1.8.3. Financials (As Per Availability)
 - 14.1.8.4. Recent Developments
 - 14.1.8.5. Key Management Personnel
- 14.1.9. Hartzell Engine Technologies LLC
 - 14.1.9.1. Company Details
 - 14.1.9.2. Key Product Offered
 - 14.1.9.3. Financials (As Per Availability)
 - 14.1.9.4. Recent Developments
 - 14.1.9.5. Key Management Personnel
- 14.1.10. Crane Aerospace & Electronics
 - 14.1.10.1. Company Details
 - 14.1.10.2. Key Product Offered
 - 14.1.10.3. Financials (As Per Availability)
 - 14.1.10.4. Recent Developments
 - 14.1.10.5. Key Management Personnel

15. STRATEGIC RECOMMENDATIONS

- 15.1. Key Focus Areas
 - 15.1.1. Target Regions
 - 15.1.2. Target Component
 - 15.1.3. Target Application

16. ABOUT US & DISCLAIMER

I would like to order

Product name: Aircraft Electrification Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Component (Batteries, Fuel Cells, Electric Actuators, Generators, Motors, Power Electronics, Distribution Devices, Others), By Application (Power Generation, Power Distribution, Power Conversion, Energy Storage), By Technology (More Electric, Hybrid Electric, Fully Electric), By Region & Competition, 2019-2029F

Product link: <https://marketpublishers.com/r/A1504B94E274EN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A1504B94E274EN.html>