

# Aircraft Ice Protection System Market Size, Share, Demand, Trend Forecast & Competitive Analysis : 2022-2029

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PORTLAND, ORAGON, UNITED STATES, September 15, 2022 /EINPresswire.com/ -- [Aircraft Ice Protection System Market](#) by Type (De-icing and Anti-icing), by Technology (Mechanical, Electrical, Thermal, Passive, and Others), Fluid type (Type I, Type II, and Type IV), Application (Tail, Wings, Nacelle, Propellers, Windshields, Engine, air inlets, Air Data Probes, and Others), and End User (Commercial Aviation, Defense Aviation, and General Aviation): Global Opportunity Analysis and Industry Forecast, 2022-2029

Aircraft ice protection system is a set of methods employed to prevent or clear atmospheric frost, snow, and freezing rain accumulation on the aircraft surface. Accumulation of ice leads to alteration in the airfoils, thereby affecting the flight controls surfaces, degrading the performance and handling characteristics of the aircraft. Protection against such deposits is very important for safety. Failure to control ice accumulation on critical aircraft parts may lead to aircraft failures and fatal accidents.

The global aircraft ice protection system is driven mainly by existing and new aircraft operation, which is in turn increasing due to the increased preference for airways. Also, the FAA guidelines are responsible for boosting the aircraft ice protection market growth. Anti-icing fluids lose their effectiveness over time due to dilution, which means periodic maintenance is mandatory. This factor is responsible for a steadiness in the Aircraft ice protection system market growth.

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On the contrary, the global ice protection market is negatively driven by seasons, the market becomes idle during the non-winter seasons. Further, these systems require costly maintenance to bring it back to operation. These factors are expected to hamper the growth of the global aircraft ice protection system market. However, invention of new and improved de-icing and anti-icing systems is expected to offer new window of opportunities for the market growth. The integration of heated structure within advanced composite materials is sure to reduce the weight, and offer high structural strength.

The global aircraft ice protection system market is segmented by type, technology used, fluid type, application, end user, and region. By type, the market is bifurcated into de-icing and anti-

icing. By type of technology, the market is divided into mechanical, electrical, thermal, and passive. It further includes pneumatic de-icing boots, bleed air technology, and others. Anti-icing fluids are glycolic fluids blended with water, inhibitors, and wetting agents. Companies manufacture three types of anti-icing fluids. These include type I, type II, and type IV. These fluids contain different amounts of glycol, according to the application need. The applications of ice protection system are tailwings, nacelle, propellers, windshields, engine, air inlets, and air data probes. By end user, the market is studied across commercial aviation, defense aviation, and general aviation. By region, the market analyzed across North America, Europe, Asia Pacific, and LAMEA. Owing to the extreme cold climates, North American and European countries dominate this market.

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The key players involved in the R&D of advanced aircraft ice protection system are Meggitt PLC, Melrose Industries PLC, United Technologies Corp., DOW Chemical Company, JBT Corporation, Clariant, Honeywell International, Curtiss Wright, CAV, Ice Protection, Inc., Leonardo-Finmeccanica, Liebherr-International AG, Ultra Electronics, Cox & Company, and Kilfrost.

Key Benefits For Stakeholders:

The global aircraft ice protection system market size has been analyzed across all regions. Porter's five force analysis helps to analyze the potential of buyers & suppliers and the competitive scenario of the industry for strategy building.

The report outlines the current market trends and future scenario of the Aircraft ice protection system market size from 2018 to 2026 to understand the prevailing opportunities and potential investment pockets.

Major countries in the region have been mapped according to their individual revenue contribution to the regional market.

The key drivers, restraints, and market opportunities and their detailed impact analysis are elucidated in the study.

The market analysis covers in-depth information of global aircraft ice protection system share of participants.

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Clariant  
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Curtiss Wright  
CAV Ice Protection, Inc.  
Leonardo-Finmeccanica  
Liebherr-International AG  
Safran SA  
Ultra Electronics  
Cox & Company  
Kilfrost  
Others

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