

Aircraft De-Icing Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/A49E13CD9489EN.html>

Date: October 2023

Pages: 141

Price: US\$ 2,499.00 (Single User License)

ID: A49E13CD9489EN

Abstracts

Market Overview:

The global aircraft de-icing market size reached US\$ 1.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1.7 Billion by 2028, exhibiting a growth rate (CAGR) of 5.2% during 2023-2028.

Aircraft de-icing refers to the process of removing ice, snow and frost from the surface of the aircraft. De-icing agents are usually manufactured using ethylene glycol and propylene glycol-based fluids, along with water, corrosion inhibitors, wetting agents and dyes. These agents reduce the freezing point of water and assist in cleaning various components of the aircraft, such as wings, fuselage, control surface, fan blades, engine inlets, propellers, sensors and landing gear. De-icing agents are commonly available in type I, II, III and IV variants that are also used for decontaminating the aircraft body prior to the take-off. As a result, they find extensive applications across the military and commercial aviation sector.

Significant growth in the aviation industry is one of the key factors creating a positive impact on the market. Aircraft manufacturers are increasingly emphasizing on enhancing passenger comfort and ensuring secure take-off and landing operations, especially during winters. Furthermore, modernization and improvements in the airport ground for handling equipment are also augmenting the market growth. Various technological advancements, such as the advent of novel infrared, hot water, tempered steam, forced air, electro-expulsive separation and electro-mechanical expulsion de-icing systems, are acting as other growth-inducing factors. In line with this, de-icing agents manufacturers are also developing environment-friendly product variants,

thereby contributing to the market growth. Airlines are adopting these recyclable agents to minimize the operational costs of the aircraft and reduce the risks of icing hazards. Other factors, including rising passenger and cargo traffic across the globe, along with increasing construction of new airports, especially in the developing countries, are expected to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global aircraft de-icing market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on fluid type, application and equipment.

Breakup by Fluid Type:

Type I

Type II

Type III

Type IV

Breakup by Application:

Military

Commercial

Breakup by Equipment:

De-Icing Trucks

Sweepers

Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being B/E Aerospace Inc. (Rockwell Collins Inc.), BASF SE, Clariant AG, General Atomic Technologies, Global Ground Support LLC (Air T Inc.), JBT Corporation (FMC Technologies), Kilfrost Ltd., The Dow Chemical Company, Tronair Inc., UTC Aerospace Systems (Collins Aerospace) and Vestergaard Company A/S

Key Questions Answered in This Report

1. What is the expected growth rate of the global aircraft de-icing market?
2. What has been the impact of COVID-19 on the global aircraft de-icing market?
3. What are the key factors driving the global aircraft de-icing market?
4. What is the breakup of the global aircraft de-icing market based on the fluid type?
5. What is the breakup of the global aircraft de-icing market based on the application?
6. What are the key regions in the global aircraft de-icing market?
7. Who are the key players/companies in the global aircraft de-icing market?

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