

Asia Pacific Aerial Firefighting Market Forecast to 2031 - Regional Analysis - by End Use (Forest Firefighting, Urban Firefighting, and Others) and Aircraft Type (Fixed Wing and Rotary Wing)

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Abstracts

The Asia Pacific aerial firefighting market was valued at US\$ 110.65 million in 2023 and is expected to reach US\$ 205.53 million by 2031; it is estimated to register a CAGR of 8.0% from 2023 to 2031 .

Rise in Technological Advancements in Aerial Firefighting Solutions Boost Asia Pacific Aerial Firefighting Market

With the technological advancements in recent years, the prospects for aerial firefighting hold significant potential. Groundbreaking developments such as drones equipped with thermal imaging cameras and artificial intelligence algorithms have the potential to transform wildfire detection and response completely. Autonomous firefighting aircraft could offer a faster and safer approach to extinguishing fires, while improved fire-retardant delivery systems aim to improve the accuracy and effectiveness of drops. Ongoing research into advanced materials and designs aims to create more efficient and environmentally friendly aerial firefighting solutions.

In addition, there is a rise in investment toward technological advancements, such as detachable or removable water tanks in aerial firefighting fleets. For instance, in July 2022, Airbus SA tested its roll-on/roll-off system to drop water from the removable tank in an Airbus A400M. This removable tank kit can be connected to any aircraft with no modification. Thus, the rise in technological advancements is expected to boost market growth in the coming years.

Asia Pacific Aerial Firefighting Market Overview

The Asia Pacific aerial firefighting market is segmented into Australia, China, Japan, Indonesia, South Korea, and the Rest of Asia Pacific. The countries are experiencing a temperature rise and drought owing to climate change across the world, which has resulted in wildfires across the region. China accounted for the largest share of the market in the region, followed by Japan, Australia, and South Korea, owing to the rise in forest fires across these countries in the past decade. In addition, rising funding to boost the aerial firefighting fleet and increasing third-party contracts to combat wildfires would fuel the market growth from 2023 to 2031. Moreover, cross-country contracts or partnerships with governments and private players in the region to combat forest fires are anticipated to propel the market growth during the forecast period.

Asia Pacific Aerial Firefighting Market Revenue and Forecast to 2031 (US\$ Million)

Asia Pacific Aerial Firefighting Market Segmentation

The Asia Pacific aerial firefighting market is categorized into end use, aircraft type, and country.

By end use, the Asia Pacific aerial firefighting market is segmented into forest firefighting, urban firefighting, and others. The forest firefighting segment held the largest share of the Asia Pacific aerial firefighting market share in 2023.

In terms of aircraft type, the Asia Pacific aerial firefighting market is segmented into fixed wing and rotary wing. The rotary wing segment held a larger share of the Asia Pacific aerial firefighting market share in 2023.

Based on country, the Asia Pacific aerial firefighting market is segmented into Australia, China, Indonesia, Japan, South Korea, and the Rest of Asia Pacific. China segment held the largest share of Asia Pacific aerial firefighting market in 2023.

Avincis Aviation Group, Babcock International Group Plc, Billings Flying Service, Coulson Aviation (USA) Inc, Erickson Inc, and Kishugu Aviation (Pty) Ltd are some of the leading companies operating in the Asia Pacific aerial firefighting market.

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