

Global COVID-19 Impact on Airport Operations Market Size Study & Forecast, by Technology and Regional Forecasts 2025-2035

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Abstracts

The Global COVID-19 Impact on Airport Operations Market is valued at approximately USD 8.9 billion in 2024 and is projected to expand at a robust CAGR of 11.20% over the forecast period from 2025 to 2035. As global aviation infrastructure underwent a dramatic transformation triggered by the pandemic, airports were compelled to fast-track the adoption of advanced operational technologies. From biometric-enabled self-service solutions and automated passenger screening to digital baggage handling and cybersecurity protocols, airports have had to modernize at breakneck speed to accommodate new safety standards and evolving traveler expectations. The pandemic served not just as a disruptor but also as a catalyst, pushing stakeholders across the aviation value chain to reimagine the future of airport functionality with technology at the helm.

Airports globally have begun to overhaul legacy systems and pivot towards more intelligent, contactless, and data-driven operations to reduce human touchpoints, enhance passenger flow, and comply with international health mandates. Technologies like 5G connectivity, AI-powered surveillance, and RFID-enabled baggage tracking have surged in deployment. Simultaneously, airport authorities are investing in e-gates, smart kiosks, and advanced cybersecurity frameworks to safeguard data integrity and ensure seamless travel experiences. These transformations, once considered optional, have now become integral to restoring confidence in air travel, thereby accelerating capital inflows into airport digitization projects across both mature and emerging markets.

Regionally, North America held a prominent market share in 2024, owing to its rapid implementation of next-generation airport security systems, massive air traffic volumes, and supportive federal funding for airport modernization. Europe followed closely,

bolstered by strict health regulations, technological maturity, and EU-level funding for smart infrastructure upgrades. Meanwhile, Asia Pacific is poised to register the fastest growth over the forecast horizon. This momentum is attributed to booming air passenger traffic in populous nations such as India and China, along with government-driven investments in smart airport infrastructure. Countries in the Middle East, led by the UAE and Saudi Arabia, are also aggressively reshaping airport operations to align with their vision of becoming global aviation hubs.

Major market players included in this report are:

Siemens AG

Honeywell International Inc.

SITA

Amadeus IT Group SA

Collins Aerospace

IBM Corporation

Thales Group

Raytheon Technologies Corporation

Daifuku Co., Ltd.

Cisco Systems, Inc.

T-Systems International GmbH

NEC Corporation

Indra Sistemas S.A.

Leidos Holdings, Inc.

FLIR Systems, Inc.

Global COVID-19 Impact on Airport Operations Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025-2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Technology:

Passenger Screening

Baggage Scanners

Smart Tag & RFID

E-gate & E-Kiosk

5G Infrastructure

Cybersecurity Solutions

Ground Support Equipment

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market

approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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