

Global Smart Airports Market Size Study by Airport Technology (Airport 2.0, Airport 3.0, Airport 4.0), by Application (Landside, Terminal Side, Airside), by Airport Size (Small, Medium, Large), by System, by End Market, by Operation, and Regional Forecasts 2022-2032

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Abstracts

The Global Smart Airports Market is valued at approximately USD 7.25 billion in 2023 and is projected to expand with a steady growth rate of 3.50% over the forecast period 2024-2032. As a cornerstone of modern aviation, smart airports leverage cutting-edge technologies to enhance passenger experiences, optimize operational efficiency, and strengthen safety and security. Through a seamless integration of IoT, artificial intelligence, and advanced data analytics, smart airports are redefining traditional airport models, setting new benchmarks for automation and innovation.

In a world of rising passenger expectations, the adoption of Airport 4.0 technologies is revolutionizing the aviation landscape. These advanced systems transform touchpoints across landside, terminal, and airside operations, introducing a highly interconnected ecosystem that ensures faster, smarter, and more sustainable operations. For instance, advancements such as self-check-in kiosks, biometric boarding systems, and AI-powered predictive maintenance are becoming ubiquitous, laying the groundwork for unprecedented efficiency.

The market is gaining traction due to escalating investments in modernization projects and a global push for green airport initiatives. Key drivers include a surge in air traffic post-pandemic, growing demand for real-time operational insights, and substantial developments in aviation infrastructure. However, challenges such as high initial

implementation costs, the complexity of integration, and cybersecurity threats are expected to pose hurdles to the market's growth.

The global Smart Airports Market exhibits distinct regional dynamics. North America leads with robust technological adoption, supported by significant investments in airport upgrades and advanced infrastructure projects. Europe is positioned as a strong contender, underpinned by stringent sustainability directives and an emphasis on digitization. Meanwhile, the Asia-Pacific region is poised for the fastest growth, fueled by rising air passenger traffic, expanding airport networks, and government-backed modernization efforts.

Major market players included in this report are:

Honeywell International Inc.

Thales Group

Siemens AG

Cisco Systems, Inc.

IBM Corporation

Collins Aerospace

Indra Sistemas, S.A.

Amadeus IT Group SA

SITA

Huawei Technologies Co., Ltd.

NEC Corporation

T-Systems International GmbH

Daifuku Co., Ltd.

Leidos Holdings, Inc.

QinetiQ Group plc

The detailed segments and sub-segments of the market are explained below:

By Airport Technology

Airport 2.0

Airport 3.0

Airport 4.0

By Application

Landside

Terminal Side

Airside

By Airport Size

Small

Medium

Large

By System

Information and Communication Systems

Security Systems

Passenger, Cargo & Baggage Systems

Other Systems

By End Market

Commercial Airports

Military Airports

By Operation

Aeronautical Operations

Non-aeronautical Operations

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

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed geographical landscape analysis with country-level data for major regions.

Competitive landscape featuring key players and their strategies.

Insights into supply-side and demand-side dynamics of the market.

Contents

CHAPTER 1. GLOBAL SMART AIRPORTS MARKET EXECUTIVE SUMMARY

- 1.1. Global Smart Airports Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Airport Technology
 - 1.3.2. By Application
 - 1.3.3. By Airport Size
 - 1.3.4. By System
 - 1.3.5. By End Market
 - 1.3.6. By Operation
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL SMART AIRPORTS MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory Frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL SMART AIRPORTS MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Escalating Investments in Modernization Projects
- 3.1.2. Surge in Air Traffic Post-Pandemic
- 3.1.3. Growing Demand for Real-Time Operational Insights

3.2. Market Challenges

- 3.2.1. High Initial Implementation Costs
- 3.2.2. Complexity of Integration

3.3. Market Opportunities

- 3.3.1. Advancements in Smart Technology
- 3.3.2. Expansion in the Asia-Pacific Region
- 3.3.3. Government-Backed Modernization Efforts

CHAPTER 4. GLOBAL SMART AIRPORTS MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top Investment Opportunities

4.4. Top Winning Strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL SMART AIRPORTS MARKET SIZE & FORECASTS BY

AIRPORT TECHNOLOGY 2022-2032

5.1. Segment Dashboard

5.2. Global Smart Airports Market: Airport Technology Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

5.2.1. Airport 2.0

5.2.2. Airport 3.0

5.2.3. Airport 4.0

CHAPTER 6. GLOBAL SMART AIRPORTS MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

6.1. Segment Dashboard

6.2. Global Smart Airports Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

6.2.1. Landside

6.2.2. Terminal Side

6.2.3. Airside

CHAPTER 7. GLOBAL SMART AIRPORTS MARKET SIZE & FORECASTS BY REGION 2022-2032

7.1. North America Smart Airports Market

7.1.1. U.S. Smart Airports Market

7.1.1.1. Airport Technology Breakdown Size & Forecasts, 2022-2032

7.1.1.2. Application Breakdown Size & Forecasts, 2022-2032

7.1.2. Canada Smart Airports Market

7.2. Europe Smart Airports Market

7.2.1. U.K. Smart Airports Market

7.2.2. Germany Smart Airports Market

7.2.3. France Smart Airports Market

7.2.4. Spain Smart Airports Market

7.2.5. Italy Smart Airports Market

7.2.6. Rest of Europe Smart Airports Market

7.3. Asia-Pacific Smart Airports Market

7.3.1. China Smart Airports Market

7.3.2. India Smart Airports Market

7.3.3. Japan Smart Airports Market

7.3.4. Australia Smart Airports Market

- 7.3.5. South Korea Smart Airports Market
- 7.3.6. Rest of Asia Pacific Smart Airports Market
- 7.4. Latin America Smart Airports Market
 - 7.4.1. Brazil Smart Airports Market
 - 7.4.2. Mexico Smart Airports Market
 - 7.4.3. Rest of Latin America Smart Airports Market
- 7.5. Middle East & Africa Smart Airports Market
 - 7.5.1. Saudi Arabia Smart Airports Market
 - 7.5.2. South Africa Smart Airports Market
 - 7.5.3. Rest of Middle East & Africa Smart Airports Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. Honeywell International Inc.
 - 8.1.2. Thales Group
 - 8.1.3. Siemens AG
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. Honeywell International Inc.
 - 8.3.1.1. Key Information
 - 8.3.1.2. Overview
 - 8.3.1.3. Financial (Subject to Data Availability)
 - 8.3.1.4. Product Summary
 - 8.3.1.5. Market Strategies
 - 8.3.2. Thales Group
 - 8.3.3. Siemens AG
 - 8.3.4. Cisco Systems, Inc.
 - 8.3.5. IBM Corporation
 - 8.3.6. Collins Aerospace
 - 8.3.7. Indra Sistemas, S.A.
 - 8.3.8. Amadeus IT Group SA
 - 8.3.9. SITA
 - 8.3.10. Huawei Technologies Co., Ltd.

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process
 - 9.1.1. Data Mining

- 9.1.2. Analysis
- 9.1.3. Market Estimation
- 9.1.4. Validation
- 9.1.5. Publishing
- 9.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Smart Airports Market, Report Scope
TABLE 2. Global Smart Airports Market Estimates & Forecasts by Region 2022-2032 (USD Million/Billion)
TABLE 3. Global Smart Airports Market Estimates & Forecasts by Airport Technology 2022-2032 (USD Million/Billion)
TABLE 4. Global Smart Airports Market Estimates & Forecasts by Application 2022-2032 (USD Million/Billion)
TABLE 5. Global Smart Airports Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 6. Global Smart Airports Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 7. Global Smart Airports Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 8. Global Smart Airports Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 9. Global Smart Airports Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 10. Global Smart Airports Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 11. Global Smart Airports Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 12. Global Smart Airports Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 13. Global Smart Airports Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 14. Global Smart Airports Market by Region, Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 15. U.S. Smart Airports Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)
TABLE 16. U.S. Smart Airports Market Estimates & Forecasts by Segment 2022-2032 (USD Million/Billion)
TABLE 17. U.S. Smart Airports Market Estimates & Forecasts by Segment 2022-2032 (USD Million/Billion)
TABLE 18. Canada Smart Airports Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 19. Canada Smart Airports Market Estimates & Forecasts by Segment
2022-2032 (USD Million/Billion)

TABLE 20. Canada Smart Airports Market Estimates & Forecasts by Segment
2022-2032 (USD Million/Billion)

...

List Of Figures

LIST OF FIGURES

- FIG 1. Global Smart Airports Market, Research Methodology
- FIG 2. Global Smart Airports Market, Market Estimation Techniques
- FIG 3. Global Market Size Estimates & Forecast Methods
- FIG 4. Global Smart Airports Market, Key Trends 2023
- FIG 5. Global Smart Airports Market, Growth Prospects 2022-2032
- FIG 6. Global Smart Airports Market, Porter's 5 Force Model
- FIG 7. Global Smart Airports Market, PESTEL Analysis
- FIG 8. Global Smart Airports Market, Value Chain Analysis
- FIG 9. Global Smart Airports Market by Segment, 2022 & 2032 (USD Million/Billion)
- FIG 10. Global Smart Airports Market by Segment, 2022 & 2032 (USD Million/Billion)
- FIG 11. Global Smart Airports Market by Segment, 2022 & 2032 (USD Million/Billion)
- FIG 12. Global Smart Airports Market by Segment, 2022 & 2032 (USD Million/Billion)
- FIG 13. Global Smart Airports Market by Segment, 2022 & 2032 (USD Million/Billion)
- FIG 14. Global Smart Airports Market, Regional Snapshot 2022 & 2032
- FIG 15. North America Smart Airports Market 2022 & 2032 (USD Million/Billion)
- FIG 16. Europe Smart Airports Market 2022 & 2032 (USD Million/Billion)
- FIG 17. Asia Pacific Smart Airports Market 2022 & 2032 (USD Million/Billion)
- FIG 18. Latin America Smart Airports Market 2022 & 2032 (USD Million/Billion)
- FIG 19. Middle East & Africa Smart Airports Market 2022 & 2032 (USD Million/Billion)
- FIG 20. Global Smart Airports Market, Company Market Share Analysis (2023)

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This list is not complete, final report does contain more than 50 figures. The list may be updated in the final deliverable.

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