

Remote Towers Market By Application (Communication, Information and Control, Flight Data Handling, Surveillance, Visualization), By End User (Military Airport, Commercial Airport), By Operation Type (Single, Multiple, Contingency), By Offerings (Hardware, Software and solutions, Services): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-08-01 | 389 pages | Allied Market Research

AVAILABLE LICENSES:

- Cloud Access License \$3110.40
- Business User License \$5157.00
- Enterprise License \$8640.00

Report description:

A remote tower is an advanced and cost-effective concept where air traffic services (ATS) are carried out from a location other than the airport. Remote towers involve the use of airborne & ground-based functions to ensure safe, economical, and efficient air traffic management. Complete remote tower system consists of airport equipment, remote tower modules, and network solutions. Technologies used for remote towers involve several parameters, such as high definition cameras, surveillance, and meteorological sensors, which provide tower staff with additional information as compared to traditional towers.

With the help of remote towers, air traffic service (ATS) can access to complete view from an assembly of fixed and moveable high definition digital video cameras situated at the remotely controlled aerodrome. Fixed cameras provide the main display and any necessary supplementary ones such as ramp close-ups. Similarly, moveable cameras are also placed, which can be directed as required from the RTS position, replicating the way binoculars might be used in a conventional tower. Remote and virtual towers are used to regulate, assist, and maintain orderly air traffic operations remotely, unlike the local ground-based control tower. Remote towers are being adopted quickly by modern airports for faster and safe airport operation.

The remote tower market is segmented on basis of application, end user, operation type, offerings, and region. By application, it is divided into communication, information & control, flight data handling, surveillance, and visualization. By end user, it is divided into military airport and commercial airport. By operation type, it is divided into single, multiple and contingency. By offerings, it is segmented into hardware, software & solutions, and services. By region, the market is analyzed across North America, Europe, Asia-Pacific and LAMEA.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

The growth drivers, restraints, and opportunities are explained in the report to better understand the market dynamics. This report further highlights key areas of investments. In addition, it includes Porter's five forces analysis to understand competitive scenario of the industry and role of each stakeholder. The report features strategies adopted by key market players to maintain their foothold in the market. Furthermore, it highlights competitive landscape of key players to increase their market share and sustain intense competition in the industry.

The key players that operate in this market are ADACEL, Becker Avionics GmbH, DFS Deutsche Flugsicherung GmbH, EIZO Corporation, Frequentis Group, Indra Sistemas, Kongsberg Gruppen, L3Harris Technologies, Leidos, Leonardo S.P.A, Northrop Grumman Corporation, Raytheon Technologies Corporation, RETIA AS, ROHDE & SCHWARZ, SAAB AB, Searidge Technologies, and Thales Group

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the remote towers market analysis from 2021 to 2031 to identify the prevailing remote towers market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the remote towers market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global remote towers market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Offerings

- Hardware
- Software and solutions
- Services

By Application

- Communication
- Information and Control
- Flight Data Handling
- Surveillance
- Visualization

By End User

- Military Airport
- Commercial Airport

By Operation Type

- Single
- Multiple
- Contingency

By Region

- North America
 - U.S.
 - Canada
 - Mexico
- Europe
 - United Kingdom
 - Poland

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Spain
- Rest of Europe
- Germany
- France
- Russia
- Netherlands
- Asia-Pacific
- China
- India
- Japan
- South Korea
- Asean
- Rest of Asia-Pacific
- LAMEA
- Brazil
- UAE
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- SAAB AB
- FREQUENTIS GROUP
- THALES GROUP
- INDRA SISTEMAS
- RAYTHEON TECHNOLOGIES CORPORATION
- L3HARRIS TECHNOLOGIES
- NORTHROP GRUMMAN CORPORATION
- SEARIDGE TECHNOLOGIES
- LEONARDO S.P.A
- KONGSBERG GRUPPEN
- LEIDOS
- RETIA A.S
- ROHDE & SCHWARZ GMBH & CO.
- DFS DEUTSCHE FLUGSICHERUNG GMBH
- BLACK BOX
- BECKER AVIONICS GMBH
- ADACEL

Table of Contents:

CHAPTER 1:INTRODUCTION

- 1.1.Report description
- 1.2.Key market segments
- 1.3.Key benefits to the stakeholders
- 1.4.Research Methodology
 - 1.4.1.Secondary research
 - 1.4.2.Primary research
 - 1.4.3.Analyst tools and models

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

CHAPTER 2:EXECUTIVE SUMMARY

2.1.Key findings of the study

2.2.CXO Perspective

CHAPTER 3:MARKET OVERVIEW

3.1.Market definition and scope

3.2.Key findings

3.2.1.Top investment pockets

3.3.Porter's five forces analysis

3.4.Top player positioning

3.5.Market dynamics

3.5.1.Drivers

3.5.2.Restraints

3.5.3.Opportunities

3.6.COVID-19 Impact Analysis on the market

CHAPTER 4: REMOTE TOWERS MARKET, BY APPLICATION

4.1 Overview

4.1.1 Market size and forecast

4.2 Communication

4.2.1 Key market trends, growth factors and opportunities

4.2.2 Market size and forecast, by region

4.2.3 Market analysis by country

4.3 Information and Control

4.3.1 Key market trends, growth factors and opportunities

4.3.2 Market size and forecast, by region

4.3.3 Market analysis by country

4.4 Flight Data Handling

4.4.1 Key market trends, growth factors and opportunities

4.4.2 Market size and forecast, by region

4.4.3 Market analysis by country

4.5 Surveillance

4.5.1 Key market trends, growth factors and opportunities

4.5.2 Market size and forecast, by region

4.5.3 Market analysis by country

4.6 Visualization

4.6.1 Key market trends, growth factors and opportunities

4.6.2 Market size and forecast, by region

4.6.3 Market analysis by country

CHAPTER 5: REMOTE TOWERS MARKET, BY END USER

5.1 Overview

5.1.1 Market size and forecast

5.2 Military Airport

5.2.1 Key market trends, growth factors and opportunities

5.2.2 Market size and forecast, by region

5.2.3 Market analysis by country

5.3 Commercial Airport

5.3.1 Key market trends, growth factors and opportunities

5.3.2 Market size and forecast, by region

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.3.3 Market analysis by country

CHAPTER 6: REMOTE TOWERS MARKET, BY OPERATION TYPE

6.1 Overview

6.1.1 Market size and forecast

6.2 Single

6.2.1 Key market trends, growth factors and opportunities

6.2.2 Market size and forecast, by region

6.2.3 Market analysis by country

6.3 Multiple

6.3.1 Key market trends, growth factors and opportunities

6.3.2 Market size and forecast, by region

6.3.3 Market analysis by country

6.4 Contingency

6.4.1 Key market trends, growth factors and opportunities

6.4.2 Market size and forecast, by region

6.4.3 Market analysis by country

CHAPTER 7: REMOTE TOWERS MARKET, BY OFFERINGS

7.1 Overview

7.1.1 Market size and forecast

7.2 Hardware

7.2.1 Key market trends, growth factors and opportunities

7.2.2 Market size and forecast, by region

7.2.3 Market analysis by country

7.3 Software and solutions

7.3.1 Key market trends, growth factors and opportunities

7.3.2 Market size and forecast, by region

7.3.3 Market analysis by country

7.4 Services

7.4.1 Key market trends, growth factors and opportunities

7.4.2 Market size and forecast, by region

7.4.3 Market analysis by country

CHAPTER 8: REMOTE TOWERS MARKET, BY REGION

8.1 Overview

8.1.1 Market size and forecast

8.2 North America

8.2.1 Key trends and opportunities

8.2.2 North America Market size and forecast, by Application

8.2.3 North America Market size and forecast, by End User

8.2.4 North America Market size and forecast, by Operation Type

8.2.5 North America Market size and forecast, by Offerings

8.2.6 North America Market size and forecast, by country

8.2.6.1 U.S.

8.2.6.1.1 Market size and forecast, by Application

8.2.6.1.2 Market size and forecast, by End User

8.2.6.1.3 Market size and forecast, by Operation Type

8.2.6.1.4 Market size and forecast, by Offerings

8.2.6.2 Canada

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.2.6.2.1 Market size and forecast, by Application
- 8.2.6.2.2 Market size and forecast, by End User
- 8.2.6.2.3 Market size and forecast, by Operation Type
- 8.2.6.2.4 Market size and forecast, by Offerings
- 8.2.6.3 Mexico
 - 8.2.6.3.1 Market size and forecast, by Application
 - 8.2.6.3.2 Market size and forecast, by End User
 - 8.2.6.3.3 Market size and forecast, by Operation Type
 - 8.2.6.3.4 Market size and forecast, by Offerings
- 8.3 Europe
 - 8.3.1 Key trends and opportunities
 - 8.3.2 Europe Market size and forecast, by Application
 - 8.3.3 Europe Market size and forecast, by End User
 - 8.3.4 Europe Market size and forecast, by Operation Type
 - 8.3.5 Europe Market size and forecast, by Offerings
 - 8.3.6 Europe Market size and forecast, by country
 - 8.3.6.1 Germany
 - 8.3.6.1.1 Market size and forecast, by Application
 - 8.3.6.1.2 Market size and forecast, by End User
 - 8.3.6.1.3 Market size and forecast, by Operation Type
 - 8.3.6.1.4 Market size and forecast, by Offerings
 - 8.3.6.2 France
 - 8.3.6.2.1 Market size and forecast, by Application
 - 8.3.6.2.2 Market size and forecast, by End User
 - 8.3.6.2.3 Market size and forecast, by Operation Type
 - 8.3.6.2.4 Market size and forecast, by Offerings
 - 8.3.6.3 Russia
 - 8.3.6.3.1 Market size and forecast, by Application
 - 8.3.6.3.2 Market size and forecast, by End User
 - 8.3.6.3.3 Market size and forecast, by Operation Type
 - 8.3.6.3.4 Market size and forecast, by Offerings
 - 8.3.6.4 Netherlands
 - 8.3.6.4.1 Market size and forecast, by Application
 - 8.3.6.4.2 Market size and forecast, by End User
 - 8.3.6.4.3 Market size and forecast, by Operation Type
 - 8.3.6.4.4 Market size and forecast, by Offerings
 - 8.3.6.5 United Kingdom
 - 8.3.6.5.1 Market size and forecast, by Application
 - 8.3.6.5.2 Market size and forecast, by End User
 - 8.3.6.5.3 Market size and forecast, by Operation Type
 - 8.3.6.5.4 Market size and forecast, by Offerings
 - 8.3.6.6 Poland
 - 8.3.6.6.1 Market size and forecast, by Application
 - 8.3.6.6.2 Market size and forecast, by End User
 - 8.3.6.6.3 Market size and forecast, by Operation Type
 - 8.3.6.6.4 Market size and forecast, by Offerings
 - 8.3.6.7 Spain

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.3.6.7.1 Market size and forecast, by Application
- 8.3.6.7.2 Market size and forecast, by End User
- 8.3.6.7.3 Market size and forecast, by Operation Type
- 8.3.6.7.4 Market size and forecast, by Offerings
- 8.3.6.8 Rest of Europe
 - 8.3.6.8.1 Market size and forecast, by Application
 - 8.3.6.8.2 Market size and forecast, by End User
 - 8.3.6.8.3 Market size and forecast, by Operation Type
 - 8.3.6.8.4 Market size and forecast, by Offerings
- 8.4 Asia-Pacific
 - 8.4.1 Key trends and opportunities
 - 8.4.2 Asia-Pacific Market size and forecast, by Application
 - 8.4.3 Asia-Pacific Market size and forecast, by End User
 - 8.4.4 Asia-Pacific Market size and forecast, by Operation Type
 - 8.4.5 Asia-Pacific Market size and forecast, by Offerings
 - 8.4.6 Asia-Pacific Market size and forecast, by country
 - 8.4.6.1 China
 - 8.4.6.1.1 Market size and forecast, by Application
 - 8.4.6.1.2 Market size and forecast, by End User
 - 8.4.6.1.3 Market size and forecast, by Operation Type
 - 8.4.6.1.4 Market size and forecast, by Offerings
 - 8.4.6.2 India
 - 8.4.6.2.1 Market size and forecast, by Application
 - 8.4.6.2.2 Market size and forecast, by End User
 - 8.4.6.2.3 Market size and forecast, by Operation Type
 - 8.4.6.2.4 Market size and forecast, by Offerings
 - 8.4.6.3 Japan
 - 8.4.6.3.1 Market size and forecast, by Application
 - 8.4.6.3.2 Market size and forecast, by End User
 - 8.4.6.3.3 Market size and forecast, by Operation Type
 - 8.4.6.3.4 Market size and forecast, by Offerings
 - 8.4.6.4 South Korea
 - 8.4.6.4.1 Market size and forecast, by Application
 - 8.4.6.4.2 Market size and forecast, by End User
 - 8.4.6.4.3 Market size and forecast, by Operation Type
 - 8.4.6.4.4 Market size and forecast, by Offerings
 - 8.4.6.5 Asean
 - 8.4.6.5.1 Market size and forecast, by Application
 - 8.4.6.5.2 Market size and forecast, by End User
 - 8.4.6.5.3 Market size and forecast, by Operation Type
 - 8.4.6.5.4 Market size and forecast, by Offerings
 - 8.4.6.6 Rest of Asia-Pacific
 - 8.4.6.6.1 Market size and forecast, by Application
 - 8.4.6.6.2 Market size and forecast, by End User
 - 8.4.6.6.3 Market size and forecast, by Operation Type
 - 8.4.6.6.4 Market size and forecast, by Offerings
- 8.5 LAMEA

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.5.1 Key trends and opportunities
- 8.5.2 LAMEA Market size and forecast, by Application
- 8.5.3 LAMEA Market size and forecast, by End User
- 8.5.4 LAMEA Market size and forecast, by Operation Type
- 8.5.5 LAMEA Market size and forecast, by Offerings
- 8.5.6 LAMEA Market size and forecast, by country
 - 8.5.6.1 Brazil
 - 8.5.6.1.1 Market size and forecast, by Application
 - 8.5.6.1.2 Market size and forecast, by End User
 - 8.5.6.1.3 Market size and forecast, by Operation Type
 - 8.5.6.1.4 Market size and forecast, by Offerings
 - 8.5.6.2 UAE
 - 8.5.6.2.1 Market size and forecast, by Application
 - 8.5.6.2.2 Market size and forecast, by End User
 - 8.5.6.2.3 Market size and forecast, by Operation Type
 - 8.5.6.2.4 Market size and forecast, by Offerings
 - 8.5.6.3 Saudi Arabia
 - 8.5.6.3.1 Market size and forecast, by Application
 - 8.5.6.3.2 Market size and forecast, by End User
 - 8.5.6.3.3 Market size and forecast, by Operation Type
 - 8.5.6.3.4 Market size and forecast, by Offerings
 - 8.5.6.4 South Africa
 - 8.5.6.4.1 Market size and forecast, by Application
 - 8.5.6.4.2 Market size and forecast, by End User
 - 8.5.6.4.3 Market size and forecast, by Operation Type
 - 8.5.6.4.4 Market size and forecast, by Offerings
 - 8.5.6.5 Rest of LAMEA
 - 8.5.6.5.1 Market size and forecast, by Application
 - 8.5.6.5.2 Market size and forecast, by End User
 - 8.5.6.5.3 Market size and forecast, by Operation Type
 - 8.5.6.5.4 Market size and forecast, by Offerings

CHAPTER 9: COMPANY LANDSCAPE

- 9.1. Introduction
- 9.2. Top winning strategies
- 9.3. Product Mapping of Top 10 Player
- 9.4. Competitive Dashboard
- 9.5. Competitive Heatmap
- 9.6. Key developments

CHAPTER 10: COMPANY PROFILES

- 10.1 SAAB AB
 - 10.1.1 Company overview
 - 10.1.2 Company snapshot
 - 10.1.3 Operating business segments
 - 10.1.4 Product portfolio
 - 10.1.5 Business performance
 - 10.1.6 Key strategic moves and developments
- 10.2 FREQUENTIS GROUP

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 10.2.1 Company overview
- 10.2.2 Company snapshot
- 10.2.3 Operating business segments
- 10.2.4 Product portfolio
- 10.2.5 Business performance
- 10.2.6 Key strategic moves and developments
- 10.3 THALES GROUP
 - 10.3.1 Company overview
 - 10.3.2 Company snapshot
 - 10.3.3 Operating business segments
 - 10.3.4 Product portfolio
 - 10.3.5 Business performance
 - 10.3.6 Key strategic moves and developments
- 10.4 INDRA SISTEMAS
 - 10.4.1 Company overview
 - 10.4.2 Company snapshot
 - 10.4.3 Operating business segments
 - 10.4.4 Product portfolio
 - 10.4.5 Business performance
 - 10.4.6 Key strategic moves and developments
- 10.5 RAYTHEON TECHNOLOGIES CORPORATION
 - 10.5.1 Company overview
 - 10.5.2 Company snapshot
 - 10.5.3 Operating business segments
 - 10.5.4 Product portfolio
 - 10.5.5 Business performance
 - 10.5.6 Key strategic moves and developments
- 10.6 L3HARRIS TECHNOLOGIES
 - 10.6.1 Company overview
 - 10.6.2 Company snapshot
 - 10.6.3 Operating business segments
 - 10.6.4 Product portfolio
 - 10.6.5 Business performance
 - 10.6.6 Key strategic moves and developments
- 10.7 NORTHROP GRUMMAN CORPORATION
 - 10.7.1 Company overview
 - 10.7.2 Company snapshot
 - 10.7.3 Operating business segments
 - 10.7.4 Product portfolio
 - 10.7.5 Business performance
 - 10.7.6 Key strategic moves and developments
- 10.8 SEARIDGE TECHNOLOGIES
 - 10.8.1 Company overview
 - 10.8.2 Company snapshot
 - 10.8.3 Operating business segments
 - 10.8.4 Product portfolio
 - 10.8.5 Business performance

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 10.8.6 Key strategic moves and developments
- 10.9 LEONARDO S.P.A
 - 10.9.1 Company overview
 - 10.9.2 Company snapshot
 - 10.9.3 Operating business segments
 - 10.9.4 Product portfolio
 - 10.9.5 Business performance
 - 10.9.6 Key strategic moves and developments
- 10.10 KONGSBERG GRUPPEN
 - 10.10.1 Company overview
 - 10.10.2 Company snapshot
 - 10.10.3 Operating business segments
 - 10.10.4 Product portfolio
 - 10.10.5 Business performance
 - 10.10.6 Key strategic moves and developments
- 10.11 LEIDOS
 - 10.11.1 Company overview
 - 10.11.2 Company snapshot
 - 10.11.3 Operating business segments
 - 10.11.4 Product portfolio
 - 10.11.5 Business performance
 - 10.11.6 Key strategic moves and developments
- 10.12 RETIA A.S
 - 10.12.1 Company overview
 - 10.12.2 Company snapshot
 - 10.12.3 Operating business segments
 - 10.12.4 Product portfolio
 - 10.12.5 Business performance
 - 10.12.6 Key strategic moves and developments
- 10.13 ROHDE & SCHWARZ GMBH & CO.
 - 10.13.1 Company overview
 - 10.13.2 Company snapshot
 - 10.13.3 Operating business segments
 - 10.13.4 Product portfolio
 - 10.13.5 Business performance
 - 10.13.6 Key strategic moves and developments
- 10.14 DFS DEUTSCHE FLUGSICHERUNG GMBH
 - 10.14.1 Company overview
 - 10.14.2 Company snapshot
 - 10.14.3 Operating business segments
 - 10.14.4 Product portfolio
 - 10.14.5 Business performance
 - 10.14.6 Key strategic moves and developments
- 10.15 BLACK BOX
 - 10.15.1 Company overview
 - 10.15.2 Company snapshot
 - 10.15.3 Operating business segments

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 10.15.4 Product portfolio
- 10.15.5 Business performance
- 10.15.6 Key strategic moves and developments
- 10.16 BECKER AVIONICS GMBH
 - 10.16.1 Company overview
 - 10.16.2 Company snapshot
 - 10.16.3 Operating business segments
 - 10.16.4 Product portfolio
 - 10.16.5 Business performance
 - 10.16.6 Key strategic moves and developments
- 10.17 ADACEL
 - 10.17.1 Company overview
 - 10.17.2 Company snapshot
 - 10.17.3 Operating business segments
 - 10.17.4 Product portfolio
 - 10.17.5 Business performance
 - 10.17.6 Key strategic moves and developments

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Remote Towers Market By Application (Communication, Information and Control, Flight Data Handling, Surveillance, Visualization), By End User (Military Airport, Commercial Airport), By Operation Type (Single, Multiple, Contingency), By Offerings (Hardware, Software and solutions, Services): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-08-01 | 389 pages | Allied Market Research

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Cloud Access License	\$3110.40
	Business User License	\$5157.00
	Enterprise License	\$8640.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-07"/>
		Signature	<input type="text"/>