

Global Security Robots Market: Size, Trend, Share, Opportunity Analysis, and Forecast, 2014–2025

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Abstracts

The technological development of security robots has reformed the role of robots in the aerospace, military, & defense sectors. The military and defense forces use unmanned solutions to a large extent, owing to their benefits such as quality and reliability. Since the last decade, the number of active conflicts has increased, globally. Examples of this are the disputes in South & East China and the European refugee crisis. These terrorist conflicts and geopolitical instabilities have led to the growing need for security robots.

Based on type, the market is divided into Unmanned Ground Vehicles (UGV), Unmanned Aerial Vehicles (UAV), and Unmanned Underwater Vehicles (UUV). The security robots market based on component is segmented into sensors, controller systems, frames, camera systems, navigation systems, power systems, and others. Based on application, it is categorized into spying, explosive detection, firefighting, demining, rescue operations, transportation, and patrolling. A geographic breakdown and deep dive analysis of each of the aforesaid segments has been covered for North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Increase in terrorist activities and conflicts

Growing adoption and use of unmanned system solutions by the defense sector

Advancements in robotics technology

Restraints:

Stringent regulatory environments across major regions

MARKET PLAYERS:

The top players in the global security robotics market include Lockheed Martin Corp., Northrop Grumman Corp., BAE Systems PLC, Thales SA, Elbit Systems, Qinetiq Group PLC, Finmeccanica SPA, Aerovironment, Inc., Kongsberg Gruppen and Knightscope, Inc.

KEY TAKEAWAYS

MARKET LANDSCAPE

By Type

Unmanned Ground Vehicles (UGV)

Unmanned Aerial Vehicles (UAV)

Unmanned Underwater Vehicles (UUV)

By Components

Sensors

Controller System

Camera Systems

Frames

Navigation Systems

Power Systems

Others

By Application

Spying

Explosive Detection

Firefighting

Demining

Rescue Operations

Transportation

Patrolling

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

Contents

1. EXECUTIVE SUMMARY

- 1.1. Key findings
- 1.2. Market attractiveness and trend analysis
- 1.3. Competitive landscape and recent industry development analysis

2. INTRODUCTION

- 2.1. Report description
- 2.2. Scope and definitions
- 2.3. Research methodology

3. MARKET LANDSCAPE

- 3.1. Growth drivers
 - 3.1.1. Impact analysis
- 3.2. Restraints and challenges
 - 3.2.1. Impact analysis
- 3.3. Porter's analysis
 - 3.3.1. Bargaining power of buyers
 - 3.3.2. Bargaining power of suppliers
 - 3.3.3. Threat of substitutes
 - 3.3.4. Industry rivalry
 - 3.3.5. Threat of new entrants
- 3.4. Global security robots market shares analysis, 2014-2025
 - 3.4.1. Global security robots market shares by type, 2014-2025
 - 3.4.2. Global security robots market shares by components, 2014-2025
 - 3.4.3. Global security robots market shares by application, 2014-2025
 - 3.4.4. Global security robots market shares by geography, 2014-2025

4. GLOBAL SECURITY ROBOTS MARKET BY TYPE

- 4.1. Unmanned ground vehicles (UGV)
 - 4.1.1. Historical market size by region, 2014-2016
 - 4.1.2. Market forecast by region, 2017-2025
- 4.2. unmanned aerial vehicles (UAV)
 - 4.2.1. Historical market size by region, 2014-2016

- 4.2.2. Market forecast by region, 2017-2025
- 4.3. Unmanned underwater vehicles (UUV)
 - 4.3.1. Historical market size by region, 2014-2016
 - 4.3.2. Market forecast by region, 2017-2025

5. GLOBAL SECURITY ROBOTS MARKET BY COMPONENTS

- 5.1. Sensors
 - 5.1.1. Historical market size by region, 2014-2016
 - 5.1.2. Market forecast by region, 2017-2025
- 5.2. Controller system
 - 5.2.1. Historical market size by region, 2014-2016
 - 5.2.2. Market forecast by region, 2017-2025
- 5.3. Camera systems
 - 5.3.1. Historical market size by region, 2014-2016
 - 5.3.2. Market forecast by region, 2017-2025
- 5.4. Frames
 - 5.4.1. Historical market size by region, 2014-2016
 - 5.4.2. Market forecast by region, 2017-2025
- 5.5. Navigation systems
 - 5.5.1. Historical market size by region, 2014-2016
 - 5.5.2. Market forecast by region, 2017-2025
- 5.6. Power systems
 - 5.6.1. Historical market size by region, 2014-2016
 - 5.6.2. Market forecast by region, 2017-2025
- 5.7. Others
 - 5.7.1. Historical market size by region, 2014-2016
 - 5.7.2. Market forecast by region, 2017-2025

6. GLOBAL SECURITY ROBOTS MARKET BY APPLICATION

- 6.1. Spying
 - 6.1.1. Historical market size by region, 2014-2016
 - 6.1.2. Market forecast by region, 2017-2025
- 6.2. Explosive detection
 - 6.2.1. Historical market size by region, 2014-2016
 - 6.2.2. Market forecast by region, 2017-2025
- 6.3. Firefighting
 - 6.3.1. Historical market size by region, 2014-2016

- 6.3.2. Market forecast by region, 2017-2025
- 6.4. Demining
 - 6.4.1. Historical market size by region, 2014-2016
 - 6.4.2. Market forecast by region, 2017-2025
- 6.5. Rescue operations
 - 6.5.1. Historical market size by region, 2014-2016
 - 6.5.2. Market forecast by region, 2017-2025
- 6.6. Transportation
 - 6.6.1. Historical market size by region, 2014-2016
 - 6.6.2. Market forecast by region, 2017-2025
- 6.7. Patrolling
 - 6.7.1. Historical market size by region, 2014-2016
 - 6.7.2. Market forecast by region, 2017-2025

7. GLOBAL SECURITY ROBOTS MARKET BY GEOGRAPHY

- 7.1. North America
 - 7.1.1. U.S.
 - 7.1.1.1. Historical market size, 2014-2016
 - 7.1.1.2. Market forecast, 2017-2025
 - 7.1.2. Canada
 - 7.1.2.1. Historical market size, 2014-2016
 - 7.1.2.2. Market forecast, 2017-2025
 - 7.1.3. Mexico
 - 7.1.3.1. Historical market size, 2014-2016
 - 7.1.3.2. Market forecast, 2017-2025
- 7.2. Europe
 - 7.2.1. UK
 - 7.2.1.1. Historical market size, 2014-2016
 - 7.2.1.2. Market forecast, 2017-2025
 - 7.2.2. Germany
 - 7.2.2.1. Historical market size, 2014-2016
 - 7.2.2.2. Market forecast, 2017-2025
 - 7.2.3. France
 - 7.2.3.1. Historical market size, 2014-2016
 - 7.2.3.2. Market forecast, 2017-2025
 - 7.2.4. Italy
 - 7.2.4.1. Historical market size, 2014-2016
 - 7.2.4.2. Market forecast, 2017-2025

7.2.5. Rest of Europe

7.2.5.1. Historical market size, 2014-2016

7.2.5.2. Market forecast, 2017-2025

7.3. Asia-Pacific

7.3.1. China

7.3.1.1. Historical market size, 2014-2016

7.3.1.2. Market forecast, 2017-2025

7.3.2. Japan

7.3.2.1. Historical market size, 2014-2016

7.3.2.2. Market forecast, 2017-2025

7.3.3. India

7.3.3.1. Historical market size, 2014-2016

7.3.3.2. Market forecast, 2017-2025

7.3.4. South Korea

7.3.4.1. Historical market size, 2014-2016

7.3.4.2. Market forecast, 2017-2025

7.3.5. Rest of Asia-Pacific

7.3.5.1. Historical market size, 2014-2016

7.3.5.2. Market forecast, 2017-2025

7.4. LAMEA

7.4.1. Brazil

7.4.1.1. Historical market size, 2014-2016

7.4.1.2. Market forecast, 2017-2025

7.4.2. Saudi Arabia

7.4.2.1. Historical market size, 2014-2016

7.4.2.2. Market forecast, 2017-2025

7.4.3. South Africa

7.4.3.1. Historical market size, 2014-2016

7.4.3.2. Market forecast, 2017-2025

7.4.4. Rest of LAMEA

7.4.4.1. Historical market size, 2014-2016

7.4.4.2. Market forecast, 2017-2025

8. COMPANY PROFILES

8.1. Lockheed Martin Corp.

8.1.1. Overview

8.1.2. Financials and business segments

8.1.3. Recent developments

- 8.2. Northrop Grumman Corp.
 - 8.2.1. Overview
 - 8.2.2. Financials and business segments
 - 8.2.3. Recent developments
- 8.3. BAE Systems PLC
 - 8.3.1. Overview
 - 8.3.2. Financials and business segments
 - 8.3.3. Recent developments
- 8.4. Thales SA
 - 8.4.1. Overview
 - 8.4.2. Financials and business segments
 - 8.4.3. Recent developments
- 8.5. Elbit Systems
 - 8.5.1. Overview
 - 8.5.2. Financials and business segments
 - 8.5.3. Recent developments
- 8.6. Qinetiq Group PLC
 - 8.6.1. Overview
 - 8.6.2. Financials and business segments
 - 8.6.3. Recent developments
- 8.7. Finmeccanica SPA
 - 8.7.1. Overview
 - 8.7.2. Financials and business segments
 - 8.7.3. Recent developments
- 8.8. Aerovironment, Inc.
 - 8.8.1. Overview
 - 8.8.2. Financials and business segments
 - 8.8.3. Recent developments
- 8.9. Knightscope, Inc.
 - 8.9.1. Overview
 - 8.9.2. Financials and business segments
 - 8.9.3. Recent developments
- 8.10. Kongsberg Gruppen
 - 8.10.1. Overview
 - 8.10.2. Financials and business segments
 - 8.10.3. Recent developments

List Of Tables

LIST OF TABLES

Table 1. Security Robots Market Share, by Type, 2014-2025

Table 2. Security Robots Market Share, by Component, 2014-2025

Table 3. Security Robots Market Share, by Application, 2014-2025

Table 4. Security Robots Market Share, by Region, 2014-2025

Table 5. Security Robots Market Value for Unmanned Ground Vehicles (UGV), by Region, 2017-2025, \$million

Table 6. Security Robots Market Value for Unmanned Aerial Vehicles (UAV), by Region, 2017-2025, \$million

Table 7. Security Robots Market Value for Unmanned Underwater Vehicles (UUV), by Region, 2017-2025, \$million

Table 8. Security Robots Market Value for Sensors, by Region, 2017-2025, \$million

Table 9. Security Robots Market Value for Controller System, by Region, 2017-2025, \$million

Table 10. Security Robots Market Value for Camera Systems, by Region, 2017-2025, \$million

Table 11. Security Robots Market Value for Frames, by Region, 2017-2025, \$million

Table 12. Security Robots Market Value for Navigation Systems, by Region, 2017-2025, \$million

Table 13. Security Robots Market Value for Power Systems, by Region, 2017-2025, \$million

Table 14. Security Robots Market Value for Others, by Region, 2017-2025, \$million

Table 15. Security Robots Market Value for Spying, by Region, 2017-2025, \$million

Table 16. Security Robots Market Value for Explosive Detection, by Region, 2017-2025, \$million

Table 17. Security Robots Market Value for Firefighting, by Region, 2017-2025, \$million

Table 18. Security Robots Market Value for Demining, by Region, 2017-2025, \$million

Table 19. Security Robots Market Value for Rescue Operations, by Country, 2014-2025, \$million

Table 20. Security Robots Market Value for Transportation, by Type, 2014-2025, \$million

Table 21. Security Robots Market Value for Patrolling, by Application, 2014-2025, \$million

Table 22. Security Robots Market Value for North America, by Country, 2014-2025, \$million

Table 23. Security Robots Market Value for North America, by Type, 2014-2025

- Table 24. Security Robots Market Value for North America, by Component, 2014-2025
- Table 25. Security Robots Market Value for North America, by Application, 2014-2025
- Table 26. Security Robots Market Value for Europe, by Country, 2014-2025, \$million
- Table 27. Security Robots Market Value for Europe, by Type, 2014-2025, \$million
- Table 28. Security Robots Market Value for Europe, by Component, 2014-2025, \$million
- Table 29. Security Robots Market Value for Europe, by Application, 2014-2025, \$million
- Table 30. Security Robots Market Value for Asia-Pacific, by Country, 2014-2025, \$million
- Table 31. Security Robots Market Value for Asia-Pacific, by Type, 2014-2025, \$million
- Table 32. Security Robots Market Value for Asia-Pacific, by Component, 2014-2025, \$million
- Table 33. Security Robots Market Value for Asia-Pacific, by Application, 2014-2025, \$million
- Table 34. Security Robots Market Value for LAMEA, by Country, 2014-2025, \$million
- Table 35. Security Robots Market Value for LAMEA, by Type, 2014-2025, \$million
- Table 36. Security Robots Market Value for LAMEA, by Component, 2014-2025, \$million
- Table 37. Security Robots Market Value for LAMEA, by Application, 2014-2025, \$million
- Table 38. Lockheed Martin Corp. - Company Snapshot
- Table 39. Northrop Grumman Corp - Company Snapshot
- Table 40. BAE Systems PLC - Company Snapshot
- Table 41. Thales SA - Company Snapshot
- Table 42. Elbit Systems - Company Snapshot
- Table 43. Qinetiq Group PLC - Company Snapshot
- Table 44. Finmeccanica SPA - Company Snapshot
- Table 45. Aerovironment, Inc. - Company Snapshot
- Table 46. Knightscope, Inc. - Company Snapshot
- Table 47. Kongsberg Gruppen - Company Snapshot

List Of Figures

LIST OF FIGURES

Figure 1. Security Robotics: Unmanned Ground Vehicles (UGV) Market Value, 2014-2016, \$million

Figure 2. Security Robotics: Unmanned Aerial Vehicles (UAV) Market Value, 2014-2016, \$million

Figure 3. Security Robotics: Unmanned Underwater Vehicles (UUV) Market Value, 2014-2016, \$million

Figure 4. Security Robotics: Sensors Market Value, 2014-2016, \$million

Figure 5. Security Robotics: Controller System Market Value, 2014-2016, \$million

Figure 6. Security Robotics: Camera Systems Market Value, 2014-2016, \$million

Figure 7. Security Robotics: Frames Market Value, 2014-2016, \$million

Figure 8. Security Robotics: Navigation Systems Market Value, 2014-2016, \$million

Figure 9. Security Robotics: Power Systems Market Value, 2014-2016, \$million

Figure 10. Security Robotics: Others Market Value, 2014-2016, \$million

Figure 11. Security Robotics: Spying Market Value, 2014-2016, \$million

Figure 12. Security Robotics: Explosive Detection Market Value, 2014-2016, \$million

Figure 13. Security Robotics: Firefighting Market Value, 2014-2016, \$million

Figure 14. Security Robotics: Demining Market Value, 2014-2016, \$million

Figure 15. Security Robotics: Rescue Operations Market Value, 2014-2016, \$million

Figure 16. Security Robotics: Transportation Market Value, 2014-2016, \$million

Figure 17. Security Robotics: Patrolling Market Value, 2014-2016, \$million

Figure 18. Security Robotics: U.S. Market Value, 2014-2016, \$million

Figure 19. Security Robotics: U.S. Market Value, 2017-2025, \$million

Figure 20. Security Robotics: Canada Market Value, 2014-2016, \$million

Figure 21. Security Robotics: Canada Market Value, 2017-2025, \$million

Figure 22. Security Robotics: Mexico Market Value, 2014-2016, \$million

Figure 23. Security Robotics: Mexico Market Value, 2017-2025, \$million

Figure 24. Security Robotics: UK Market Value, 2014-2016, \$million

Figure 25. Security Robotics: UK Market Value, 2017-2025, \$million

Figure 26. Security Robotics: Germany Market Value, 2014-2016, \$million

Figure 27. Security Robotics: Germany Market Value, 2017-2025, \$million

Figure 28. Security Robotics: France Market Value, 2014-2016, \$million

Figure 29. Security Robotics: France Market Value, 2017-2025, \$million

Figure 30. Security Robotics: Spain Market Value, 2014-2016, \$million

Figure 31. Security Robotics: Spain Market Value, 2017-2025, \$million

Figure 32. Security Robotics: Italy Market Value, 2014-2016, \$million

- Figure 33. Security Robotics: Italy Market Value, 2017-2025, \$million
Figure 34. Security Robotics: Rest of Europe Market Value, 2014-2016, \$million
Figure 35. Security Robotics: Rest of Europe Market Value, 2017-2025, \$million
Figure 36. Security Robotics: China Market Value, 2014-2016, \$million
Figure 37. Security Robotics: China Market Value, 2017-2025, \$million
Figure 38. Security Robotics: Japan Market Value, 2014-2016, \$million
Figure 39. Security Robotics: Japan Market Value, 2017-2025, \$million
Figure 40. Security Robotics: India Market Value, 2014-2016, \$million
Figure 41. Security Robotics: India Market Value, 2017-2025, \$million
Figure 42. Security Robotics: Australia Market Value, 2014-2016, \$million
Figure 43. Security Robotics: Australia Market Value, 2017-2025, \$million
Figure 44. Security Robotics: South Korea Market Value, 2014-2016, \$million
Figure 45. Security Robotics: South Korea Market Value, 2017-2025, \$million
Figure 46. Security Robotics: Rest of Asia-Pacific Market Value, 2014-2016, \$million
Figure 47. Security Robotics: Rest of Asia-Pacific Market Value, 2017-2025, \$million
Figure 48. Security Robotics: Brazil Market Value, 2014-2016, \$million
Figure 49. Security Robotics: Brazil Market Value, 2017-2025, \$million
Figure 50. Security Robotics: Saudi Arabia Market Value, 2014-2016, \$million
Figure 51. Security Robotics: Saudi Arabia Market Value, 2017-2025, \$million
Figure 52. Security Robotics: South Africa Market Value, 2014-2016, \$million
Figure 53. Security Robotics: South Africa Market Value, 2017-2025, \$million
Figure 54. Security Robotics: Rest of LAMEA Market Value, 2014-2016, \$million
Figure 55. Security Robotics: Rest of LAMEA Market Value, 2017-2025, \$million

COMPANIES MENTIONED

Northrop Grumman Corp., BAE Systems PLC, Thales SA, Elbit Systems, Qinetiq Group PLC, Finmeccanica SPA, Aerovironment, Inc., Kongsberg Gruppen and Knightscope, Inc.

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