

Security Robots Market by Type (UAV (Fixed Wing, Rotary Wing), UGV (Wheeled, Tracked, Legged, Hybrid), UUV (Autonomous Underwater Vehicles, Remotely Operated Underwater Vehicles)), Application, Component, End User and Geography - Global Forecast to 2027

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Abstracts

The security robots market was valued at USD 33.7 billion in 2021 and is projected to reach USD 89.6 billion by 2027; it is expected to grow at a CAGR of 17.7% from 2022 to 2027. The major drivers of the market include the growing adoption of security robots for commercial and residential applications, rising emphasis on security at national or regional levels, increasing investments and spending on defense by countries globally, and surging demand for autonomous systems that make real-time monitoring smarter.

“UAV held the largest share of the security robots market in 2021”

UAVs are either remotely controlled, semi-autonomous, or autonomous unmanned aircraft that can be used for civil/commercial, homeland security, and defense applications. UAVs not only perform intelligence, surveillance, and reconnaissance missions, but also attack, strike, suppress, and destroy enemy air defense; and combat search and rescue, among others. A few of the advantages of unmanned aerial vehicles are these vehicles can enter environments that are dangerous to human life; reduce the exposure risk of the aircraft operators; can stay in the air for a long duration; perform a precise, repetitive faster scan of a region, day-after-day, night-after-night, in complete darkness, or fog, under computer control; and can be programmed to complete the mission autonomously.

“Market for residential end users expected to grow at the highest rate from 2022 to 2027”

Consumer drones have become popular among prosumers and hobbyists, vloggers, and videographers worldwide. This is because these drones are cost-effective and offer high-resolution wide-angle photography. Presently, governments of different countries worldwide are using drones for law enforcement and governance applications owing to their compactness and quick services. The demand for UAVs has significantly increased during the COVID-19 pandemic, with governments employing drones for carrying out surveillance activities, spraying disinfectants in public areas, and controlling crowds, along with the identification of the COVID-19 hotspots.

“North America held the largest share of the security robots market in 2021”

North America accounted for the largest share of 37.2% of the global security robots market in 2021. The US and Canada are the major countries contributing to the growth of the security robots market in North America. North America is a major hub for technological innovations and an early adopter of new technologies. The presence of major players in the region also supports the demand and awareness regarding security robots. The US is the largest developer, operator, and exporter of military unmanned systems. UAVs are used to counter terrorist operations and are extensively used by the US police for crowd control. Major players such as Lockheed Martin (US) and Northrop Grumman (US) develop unmanned systems for commercial as well as homeland security applications. Several such UAVs have been developed by these major players for the defense and commercial purposes, in the recent years.

The break-up of the profiles of primary participants for the report has been given below:

By Company Type: Tier 1 = 25%, Tier 2 = 35%, and Tier 3 = 40%

By Designation: C-Level Executives = 35%, Directors = 25%, and Others = 40%

By Region: North America = 14%, Europe = 43%, Asia Pacific = 29%, and RoW = 14%

Major players operating in the security robots market include Emerson (US), ABB (Sweden), Schneider Electric (France), Yokogawa (Japan), Endress+Hauser (Switzerland), Honeywell (US), Siemens (Germany), Fuji Electric (Japan), Danfoss

(Denmark), and Hitachi (Japan).

Research Coverage:

The research report on the global security robots market covers the market based on type, component, application, end user, and regions. Based on type, the security robots market has been segmented into UAV, UUV, and UGV. Based on components, the market has been segmented into frames, sensors, controller system, camera system, navigation system, power system, and others. Based on application, the market has been segmented into spying, explosive detection, firefighting, demining, rescue operation, transportation, and patrolling. Based on end user, the market has been segmented into military & defense, commercial, residential, and others. The report covers four major regions, namely, North America, Europe, Asia Pacific (APAC), and Rest of the World (RoW).

Key Benefits of Buying the Report:

This report segments the security robots market comprehensively and provides the closest approximations of the overall market size, as well as that of the subsegments across different type, component, application, end user, and regions.

The report helps stakeholders understand the pulse of the market, and expected market scenario and provides information on key market drivers, restraints, challenges, and opportunities.

The report helps to understand the COVID-19 impact on the security robots market

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 INCLUSIONS AND EXCLUSIONS

1.3 STUDY SCOPE

1.3.1 MARKETS COVERED

FIGURE 1 SECURITY ROBOTS MARKET: SEGMENTATION

1.3.2 GEOGRAPHIC SCOPE

1.3.3 YEARS CONSIDERED

1.4 CURRENCY & PRICING

1.5 LIMITATIONS

1.6 STAKEHOLDERS

1.7 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 SECURITY ROBOTS MARKET: RESEARCH DESIGN

2.1.1 SECONDARY AND PRIMARY RESEARCH

FIGURE 3 SECURITY ROBOTS MARKET RESEARCH APPROACH

2.1.2 SECONDARY DATA

2.1.2.1 List of major secondary sources

2.1.2.2 Key data from secondary sources

2.1.3 PRIMARY DATA

2.1.3.1 Primary interviews with experts

2.1.3.2 Key data from primary sources

2.1.3.3 Key industry insights

2.1.3.4 Breakdown of primaries

2.2 MARKET SIZE ESTIMATION

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY (SUPPLY SIDE):

REVENUE FROM UUV IN SECURITY ROBOTS MARKET

2.2.1 BOTTOM-UP APPROACH

2.2.1.1 Approach for arriving at market size by bottom-up analysis (demand side)

FIGURE 5 SECURITY ROBOTS MARKET: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

2.2.2.1 Approach for capturing market size by using top-down analysis (supply side)

FIGURE 6 SECURITY ROBOTS MARKET: TOP-DOWN APPROACH

2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 7 DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS

2.5 RISK ASSESSMENT

TABLE 1 LIMITATIONS AND ASSOCIATED RISKS

3 EXECUTIVE SUMMARY

FIGURE 8 IMPACT ANALYSIS OF COVID-19 ON SECURITY ROBOTS MARKET

3.1 REALISTIC SCENARIO

3.2 PESSIMISTIC SCENARIO

3.3 OPTIMISTIC SCENARIO

FIGURE 9 MARKET FOR UAV IS EXPECTED TO GROW AT HIGHEST CAGR BETWEEN 2022 AND 2027

FIGURE 10 MARKET FOR MILITARY & DEFENSE IS EXPECTED TO HOLD LARGEST SHARE OF SECURITY ROBOTS MARKET FOR UAV THROUGHOUT FORECAST PERIOD

FIGURE 11 SECURITY ROBOTS MARKET, BY REGION

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE GROWTH OPPORTUNITIES FOR SECURITY ROBOTS MARKET

FIGURE 12 SECURITY ROBOTS MARKET IS EXPECTED TO WITNESS HUGE GROWTH OPPORTUNITIES IN ASIA PACIFIC

4.2 SECURITY ROBOTS MARKET, BY TYPE

FIGURE 13 MARKET FOR UAV IS EXPECTED TO GROW AT HIGHEST CAGR BETWEEN 2022 AND 2027

4.3 SECURITY ROBOTS MARKET, BY END USER

FIGURE 14 MARKET FOR MILITARY & DEFENSE IS EXPECTED TO HOLD LARGEST SHARE OF SECURITY ROBOTS MARKET FOR UAV THROUGHOUT FORECAST PERIOD

4.4 SECURITY ROBOTS MARKET, BY REGION

FIGURE 15 ASIA PACIFIC IS EXPECTED TO WITNESS HIGHEST CAGR IN SECURITY ROBOTS MARKET FOR UAV DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 16 SECURITY ROBOTS MARKET DYNAMICS

5.2.1 DRIVERS

- 5.2.1.1 Rising defense spending of countries worldwide
- 5.2.1.2 Surging adoption of security robots in civil and commercial applications
- 5.2.1.3 Increasing capital expenditure of offshore oil & gas companies
- 5.2.1.4 Growing demand for autonomous systems in defense and commercial sectors
- 5.2.1.5 Improvements in regulatory frameworks related to drone operations

FIGURE 17 DRIVERS FOR SECURITY ROBOTS MARKET AND THEIR IMPACT

5.2.2 RESTRAINTS

- 5.2.2.1 Unreliability of security robots, in terms of their functionality, in military operations
- 5.2.2.2 High operational costs of security robots
- 5.2.2.3 Lack of trained staff for operating drones and infrastructures such as runways
- 5.2.2.4 Issues related to safety and security of security robots

FIGURE 18 RESTRAINTS FOR SECURITY ROBOTS MARKET AND THEIR IMPACT

5.2.3 OPPORTUNITIES

- 5.2.3.1 Increase in adoption of IoT and cloud technologies
- 5.2.3.2 Development and incorporation of advanced technologies in UUVs
- 5.2.3.3 Development of fully autonomous UGVs

FIGURE 19 TIMELINE FOR 30-YEAR GROUND VEHICLE STRATEGY OF US GOVERNMENT

FIGURE 20 OPPORTUNITIES FOR SECURITY ROBOTS MARKET AND THEIR IMPACT

5.2.4 CHALLENGES

- 5.2.4.1 Requirement for high-level expertise associated with security robots and their hardware and software malfunctions
- 5.2.4.2 Requirement for continuous and uninterrupted power supply in UGVs

FIGURE 21 CHALLENGES FOR SECURITY ROBOTS MARKET AND THEIR IMPACT

5.3 VALUE CHAIN ANALYSIS

FIGURE 22 SECURITY ROBOTS MARKET: VALUE CHAIN ANALYSIS

- 5.3.1 PLANNING AND REVISING FUNDS
- 5.3.2 RESEARCH AND DEVELOPMENT
- 5.3.3 MANUFACTURING
- 5.3.4 ASSEMBLY AND DISTRIBUTION
- 5.3.5 POST-SALES SERVICES

5.4 ECOSYSTEM ANALYSIS

FIGURE 23 SECURITY ROBOTS MARKET: ECOSYSTEM

TABLE 2 COMPANIES AND THEIR ROLES IN SECURITY ROBOTS ECOSYSTEM

5.5 PRICING ANALYSIS OF SECURITY ROBOTS

TABLE 3 AVERAGE SELLING PRICES OF SECURITY ROBOTS AND THEIR COMPONENTS, 2021–2022

5.5.1 AVERAGE SELLING PRICES OF MARKET PLAYERS

FIGURE 24 AVERAGE SELLING PRICES OF KEY PLAYERS, BY TYPE

5.6 TRENDS/DISRUPTIONS IMPACTING CUSTOMER'S BUSINESS

FIGURE 25 SECURITY ROBOTS MARKET: TRENDS/DISRUPTIONS IMPACTING CUSTOMER'S BUSINESS

5.7 TECHNOLOGICAL TRENDS

5.7.1 UUV FOR SWARM OPERATIONS

5.7.2 CROSS-PLATFORM OPERATIONS

5.7.3 AUTONOMOUS UNDERWATER VEHICLES

5.7.3.1 Rapid technological advancements

5.7.3.2 Pipeline inspection trend in AUV

5.7.3.3 Longer mission life

5.7.3.4 Increased functionality

5.7.3.5 Miniaturization

5.7.4 REMOTELY OPERATED VEHICLES

5.7.4.1 Hybrid ROVs

5.7.4.2 HD camera and video

5.7.4.3 Rescue vehicles

5.7.4.4 Reduced vehicle size

5.7.5 3D PRINTING IN UNMANNED UNDERWATER VEHICLES

5.7.6 MULTIBEAM ECHO SOUNDERS

5.7.7 REMOTE CONTROL STATIONS

5.7.8 SEMI-AUTONOMOUS ROBOTICS FOR FUTURE COMBAT SYSTEMS

5.7.9 APPLIQUE KITS

5.7.10 ARTIFICIAL INTELLIGENCE IN UAV

5.8 PORTER'S FIVE FORCES ANALYSIS

TABLE 4 SECURITY ROBOTS MARKET: PORTER'S FIVE FORCES ANALYSIS

5.8.1 THREATS OF NEW ENTRANTS

5.8.2 THREAT OF SUBSTITUTES

5.8.3 BARGAINING POWERS OF SUPPLIERS

5.8.4 BARGAINING POWERS OF BUYERS

5.8.5 INTENSITY OF COMPETITIVE RIVALRY

5.9 KEY STAKEHOLDERS AND BUYING CRITERIA

5.9.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 26 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP 3 END USERS

TABLE 5 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP END USERS (%)

5.9.2 BUYING CRITERIA

FIGURE 27 KEY BUYING CRITERIA FOR TOP 3 END USERS

TABLE 6 KEY BUYING CRITERIA FOR TOP 3 END USERS

5.10 CASE STUDIES

5.10.1 SWARMDIVER BY AQUABOTIX (AUSTRALIA)

5.10.2 VECTOR HAWK FROM LOCKHEED MARTIN (US)

5.10.3 UAVS DEPLOYED BY VARIOUS COMPANIES FOR DELIVERY SERVICES

5.10.4 UAVS FOR DELIVERY SERVICES DURING PANDEMIC

5.10.4.1 Drones of Zipline were used to transfer test samples to research laboratories during pandemic in Rwanda, Ghana, and US

5.10.4.2 Delivery of medical prescriptions using drones by Manna Aero in Ireland during pandemic

5.10.4.3 Mexico-based Sincronia Logistica uses drones to deliver medical supplies to public hospitals during pandemic

5.11 TRADE ANALYSIS

FIGURE 28 IMPORTS DATA FOR CAMERAS, 2017–2021 (USD MILLION)

FIGURE 29 EXPORTS DATA FOR CAMERAS, 2017–2021 (USD MILLION)

5.12 PATENT ANALYSIS

FIGURE 30 TOP COMPANIES WITH HIGHEST NUMBER OF PATENT APPLICATIONS RELATED TO SECURITY ROBOTS

FIGURE 31 PATENT ANALYSIS RELATED TO SECURITY ROBOTS

TABLE 7 LIST OF TOP 20 PATENT OWNERS IN SECURITY ROBOTS MARKET IN LAST 10 YEARS

TABLE 8 LIST OF MAJOR PATENTS

5.13 KEY CONFERENCES & EVENTS

TABLE 9 SECURITY ROBOT MARKET: DETAILED LIST OF CONFERENCES & EVENTS

5.14 REGULATORY LANDSCAPE

5.14.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 10 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 11 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 12 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 13 ROW: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND

OTHER ORGANIZATIONS

6 SECURITY ROBOTS MARKET, BY TYPE

6.1 INTRODUCTION

FIGURE 32 SECURITY ROBOTS MARKET, BY TYPE

FIGURE 33 UNMANNED AERIAL VEHICLES TO WITNESS HIGHEST GROWTH RATE DURING FORECAST PERIOD

TABLE 14 SECURITY ROBOTS MARKET, BY TYPE, 2018–2021 (USD MILLION)

TABLE 15 SECURITY ROBOTS MARKET, BY TYPE, 2022–2027 (USD MILLION)

6.2 UNMANNED AERIAL VEHICLES

6.2.1 UNMANNED AERIAL VEHICLES, BY WING TYPE

TABLE 16 SECURITY ROBOTS MARKET FOR UAV, BY WING TYPE, 2018–2021 (USD MILLION)

TABLE 17 SECURITY ROBOTS MARKET FOR UAV, BY WING TYPE, 2022–2027 (USD MILLION)

TABLE 18 SECURITY ROBOTS MARKET FOR UAV IN NORTH AMERICA, BY WING TYPE, 2018–2021 (USD MILLION)

TABLE 19 SECURITY ROBOTS MARKET FOR UAV IN NORTH AMERICA, BY WING TYPE, 2022–2027 (USD MILLION)

TABLE 20 SECURITY ROBOTS MARKET FOR UAV IN EUROPE, BY WING TYPE, 2018–2021 (USD MILLION)

TABLE 21 SECURITY ROBOTS MARKET FOR UAV IN EUROPE, BY WING TYPE, 2022–2027 (USD MILLION)

TABLE 22 SECURITY ROBOTS MARKET FOR UAV IN ASIA PACIFIC, BY WING TYPE, 2018–2021 (USD MILLION)

TABLE 23 SECURITY ROBOTS MARKET FOR UAV IN ASIA PACIFIC, BY WING TYPE, 2022–2027 (USD MILLION)

TABLE 24 SECURITY ROBOTS MARKET FOR UAV IN ROW, BY WING TYPE, 2018–2021 (USD MILLION)

TABLE 25 SECURITY ROBOTS MARKET FOR UAV IN ROW, BY WING TYPE, 2022–2027 (USD MILLION)

6.2.1.1 Fixed wing

6.2.1.1.1 Increased use of fixed-wing UAVs in military applications

6.2.1.1.2 CTOL

6.2.1.1.3 VTOL

TABLE 26 SECURITY ROBOTS MARKET FOR UAV WITH FIXED WING TYPE, BY REGION, 2018–2021 (USD MILLION)

TABLE 27 SECURITY ROBOTS MARKET FOR UAV WITH FIXED WING TYPE, BY

REGION, 2022–2027 (USD MILLION)**6.2.1.2 Rotary wing**

6.2.1.2.1 High demand for rotary-wing UAVs in search and rescue operations, precision farming, and law enforcement applications

6.2.1.2.2 Single rotor**6.2.1.2.3 Multirotor****6.2.1.2.3.1 Bicopters****6.2.1.2.3.2 Tricopters****6.2.1.2.3.3 Quadcopters****6.2.1.2.3.4 Hexacopters****6.2.1.2.3.5 Octocopters**

TABLE 28 SECURITY ROBOTS MARKET FOR UAV WITH ROTARY WING TYPE, BY REGION, 2018–2021 (USD MILLION)

TABLE 29 SECURITY ROBOTS MARKET FOR UAV WITH ROTARY WING TYPE, BY REGION, 2022–2027 (USD MILLION)

6.2.2 UNMANNED AERIAL VEHICLES, BY MODE OF OPERATION**6.2.2.1 Remotely piloted**

6.2.2.1.1 Increasing demand for aerial exploration activities to fuel demand for remotely piloted UAVs

6.2.2.2 Optionally piloted

6.2.2.2.1 Rising use of optionally piloted UAVs in military and commercial applications to boost market growth

6.2.2.3 Fully autonomous

6.2.2.3.1 Surging deployment of fully autonomous UAVs for high-altitude applications to drive market growth

TABLE 30 SECURITY ROBOTS MARKET FOR UAV, BY OPERATION MODE, 2018–2021 (USD MILLION)

TABLE 31 SECURITY ROBOTS MARKET FOR UAV, BY OPERATION MODE, 2022–2027 (USD MILLION)

6.2.3 UNMANNED AERIAL VEHICLES, BY FUNCTION

TABLE 32 SECURITY ROBOTS MARKET FOR UAV, BY FUNCTION, 2018–2021 (USD MILLION)

TABLE 33 SECURITY ROBOTS MARKET FOR UAV, BY FUNCTION, 2022–2027 (USD MILLION)

6.2.3.1 Special-purpose drones

6.2.3.1.1 Use of special-purpose drones in military and combat operations

6.2.3.1.2 Unmanned combat aerial vehicles

6.2.3.1.3 Lethal drones

6.2.3.1.4 Decoy drones

6.2.3.1.5 Swarm drones

6.2.3.1.6 Stratospheric drones

6.2.3.1.7 Exo-stratospheric drones

6.2.3.2 Passenger drones

6.2.3.2.1 Development of new passenger drones to mitigate various challenges faced by them

6.2.3.2.2 Personal air vehicles

6.2.3.2.3 Drone taxis

6.2.3.2.4 Air shuttles

6.2.3.2.5 Air ambulances

6.2.3.3 Inspection & monitoring drones

6.2.3.3.1 Incorporation of artificial intelligence in inspection & monitoring drones leads to their increased global demand

6.2.3.4 Surveying & mapping drones

6.2.3.4.1 Quick and accurate measurement of topographic points offered by surveying & mapping drones

6.2.3.5 Spraying & seeding drones

6.2.3.5.1 Use of drones for spraying pesticides and seeding crops

6.2.3.6 Cargo air vehicles

6.2.3.6.1 Development of cargo air vehicles to carry out cargo deliveries

6.2.3.7 Others

6.2.3.7.1 Photography/filming drones

6.2.3.7.2 Cargo delivery drones

6.3 UNMANNED GROUND VEHICLES

TABLE 34 SECURITY ROBOTS MARKET FOR UGV, BY REGION, 2018–2021 (USD MILLION)

TABLE 35 SECURITY ROBOTS MARKET FOR UGV, BY REGION, 2022–2027 (USD MILLION)

TABLE 36 SECURITY ROBOTS MARKET FOR UGV IN NORTH AMERICA, BY TYPE, 2018–2021 (USD MILLION)

TABLE 37 SECURITY ROBOTS MARKET FOR UGV IN NORTH AMERICA, BY TYPE, 2022–2027 (USD MILLION)

TABLE 38 SECURITY ROBOTS MARKET FOR UGV IN EUROPE, BY TYPE, 2018–2021 (USD MILLION)

TABLE 39 SECURITY ROBOTS MARKET FOR UGV IN EUROPE, BY TYPE, 2022–2027 (USD MILLION)

TABLE 40 SECURITY ROBOTS MARKET FOR UGV IN ASIA PACIFIC, BY TYPE, 2018–2021 (USD MILLION)

TABLE 41 SECURITY ROBOTS MARKET FOR UGV IN ASIA PACIFIC, BY TYPE,

2022–2027 (USD MILLION)

TABLE 42 SECURITY ROBOTS MARKET FOR UGV IN ROW, BY TYPE, 2018–2021 (USD MILLION)

TABLE 43 SECURITY ROBOTS MARKET FOR UGV IN ROW, BY TYPE, 2022–2027 (USD MILLION)

6.3.1 UNMANNED GROUND VEHICLES, BY MOBILITY

TABLE 44 SECURITY ROBOTS MARKET FOR UGV, BY MOBILITY, 2018–2021 (USD MILLION)

TABLE 45 SECURITY ROBOTS MARKET FOR UGV, BY MOBILITY, 2022–2027 (USD MILLION)

6.3.1.1 Wheeled

6.3.1.1.1 Increasing demand for wheeled robots for surveillance applications to drive market growth

6.3.1.2 Tracked

6.3.1.2.1 Use of tracked robots for rough, off-road, and unpredictable terrains to boost market growth

6.3.1.3 Hybrid

6.3.1.3.1 Hybrid robots are dynamic, fast, and energy-efficient, which are key factors driving market growth

6.3.1.4 Legged

6.3.1.4.1 High adaptability of legged robots for large number of applications to boost demand for these vehicles

6.3.2 UNMANNED GROUND VEHICLES, BY MODE OF OPERATION

TABLE 46 SECURITY ROBOTS MARKET FOR UGV, BY MODE OF OPERATION, 2018–2021 (USD MILLION)

TABLE 47 SECURITY ROBOTS MARKET FOR UGV, BY MODE OF OPERATION, 2022–2027 (USD MILLION)

TABLE 48 SECURITY ROBOTS MARKET FOR UGV IN NORTH AMERICA, BY MODE OF OPERATION, 2018–2021 (USD MILLION)

TABLE 49 SECURITY ROBOTS MARKET FOR UGV IN NORTH AMERICA, BY MODE OF OPERATION, 2022–2027 (USD MILLION)

TABLE 50 SECURITY ROBOTS MARKET FOR UGV IN EUROPE, BY MODE OF OPERATION, 2018–2021 (USD MILLION)

TABLE 51 SECURITY ROBOTS MARKET FOR UGV IN EUROPE, BY MODE OF OPERATION, 2022–2027 (USD MILLION)

TABLE 52 SECURITY ROBOTS MARKET FOR UGV IN ASIA PACIFIC, BY MODE OF OPERATION, 2018–2021 (USD MILLION)

TABLE 53 SECURITY ROBOTS MARKET FOR UGV IN ASIA PACIFIC, BY MODE OF OPERATION, 2022–2027 (USD MILLION)

TABLE 54 SECURITY ROBOTS MARKET FOR UGV IN ROW, BY MODE OF OPERATION, 2018–2021 (USD MILLION)

TABLE 55 SECURITY ROBOTS MARKET FOR UGV IN ROW, BY MODE OF OPERATION, 2022–2027 (USD MILLION)

6.3.2.1 Tethered

6.3.2.1.1 Tethered operation assists humans in line-of-site missions, which is key factor driving market growth

TABLE 56 SECURITY ROBOTS MARKET FOR TETHERED UGV, BY REGION, 2018–2021 (USD MILLION)

TABLE 57 SECURITY ROBOTS MARKET FOR TETHERED UGV, BY REGION, 2022–2027 (USD MILLION)

6.3.2.2 Teleoperated

6.3.2.2.1 Teleoperated UGVs are deployed for mine detection and clearing operations

TABLE 58 SECURITY ROBOTS MARKET FOR TELEOPERATED UGV, BY REGION, 2018–2021 (USD MILLION)

TABLE 59 SECURITY ROBOTS MARKET FOR TELEOPERATED UGV, BY REGION, 2022–2027 (USD MILLION)

6.3.2.3 Autonomous

6.3.2.3.1 Fully autonomous

6.3.2.3.1.1 Fully autonomous UGVs assist soldiers in target tracking, surveillance, and reconnaissance missions

6.3.2.3.2 Semi-autonomous

6.3.2.3.2.1 Semi-autonomous UGVs have greater adoption as weapon platform
TABLE 60 SECURITY ROBOTS MARKET FOR AUTONOMOUS UGV, BY TYPE, 2018–2021 (USD MILLION)

TABLE 61 SECURITY ROBOTS MARKET FOR AUTONOMOUS UGV, BY TYPE, 2022–2027 (USD MILLION)

TABLE 62 SECURITY ROBOTS MARKET FOR AUTONOMOUS UGV, BY REGION, 2018–2021 (USD MILLION)

TABLE 63 SECURITY ROBOTS MARKET FOR AUTONOMOUS UGV, BY REGION, 2022–2027 (USD MILLION)

6.4 UNMANNED UNDERWATER VEHICLES

6.4.1 UNMANNED UNDERWATER VEHICLES, BY TYPE

TABLE 64 SECURITY ROBOTS MARKET FOR UUV, BY TYPE, 2018–2021 (USD MILLION)

TABLE 65 SECURITY ROBOTS MARKET FOR UUV, BY TYPE, 2022–2027 (USD MILLION)

6.4.1.1 Autonomous underwater vehicles

6.4.1.1.1 Autonomous underwater vehicles, by propulsion type

6.4.1.1.1.1 Electric systems

6.4.1.1.1.2 Fully electric systems

6.4.1.1.1.3 Hybrid systems

6.4.1.1.2 Non-electric systems

6.4.1.1.2.1 Need for longer endurance along with high power requirement for heavy work application to drive segmental growth

TABLE 66 MAPPING: DEVELOPMENT OF FUEL CELLS

TABLE 67 SECURITY ROBOTS MARKET FOR AUV, BY PROPULSION TYPE, 2018–2021 (USD MILLION)

TABLE 68 SECURITY ROBOTS MARKET FOR AUV, BY PROPULSION TYPE, 2022–2027 (USD MILLION)

TABLE 69 SECURITY ROBOTS MARKET FOR AUV IN NORTH AMERICA, BY PROPULSION TYPE, 2018–2021 (USD MILLION)

TABLE 70 SECURITY ROBOTS MARKET FOR AUV IN NORTH AMERICA, BY PROPULSION TYPE, 2022–2027 (USD MILLION)

TABLE 71 SECURITY ROBOTS MARKET FOR AUV IN EUROPE, BY PROPULSION TYPE, 2018–2021 (USD MILLION)

TABLE 72 SECURITY ROBOTS MARKET FOR AUV IN EUROPE, BY PROPULSION TYPE, 2022–2027 (USD MILLION)

TABLE 73 SECURITY ROBOTS MARKET FOR AUV IN ASIA PACIFIC, BY PROPULSION TYPE, 2018–2021 (USD MILLION)

TABLE 74 SECURITY ROBOTS MARKET FOR AUV IN ASIA PACIFIC, BY PROPULSION TYPE, 2022–2027 (USD MILLION)

TABLE 75 SECURITY ROBOTS MARKET FOR AUV IN ROW, BY PROPULSION TYPE, 2018–2021 (USD MILLION)

TABLE 76 SECURITY ROBOTS MARKET FOR AUV IN ROW, BY PROPULSION TYPE, 2022–2027 (USD MILLION)

6.4.1.1.3 Autonomous underwater vehicles, by shape

6.4.1.1.3.1 Torpedo

6.4.1.1.3.2 Laminar flow body

6.4.1.1.3.3 Streamlined rectangular style

6.4.1.1.3.4 Multi-hull vehicle

TABLE 77 SECURITY ROBOTS MARKET FOR AUV, BY SHAPE, 2018–2021 (USD MILLION)

TABLE 78 SECURITY ROBOTS MARKET FOR AUV, BY SHAPE, 2022–2027 (USD MILLION)

6.4.1.2 Remotely operated underwater vehicles

6.4.1.2.1 Remotely operated underwater vehicles, by product type

- 6.4.1.2.1.1 Small vehicles
- 6.4.1.2.1.2 High-capacity vehicles
- 6.4.1.2.1.3 Light work class vehicles
- 6.4.1.2.1.4 Heavy work class vehicles

TABLE 79 SECURITY ROBOTS MARKET FOR ROV, BY PRODUCT TYPE, 2018–2021 (USD MILLION)

TABLE 80 SECURITY ROBOTS MARKET FOR ROV, BY PRODUCT TYPE, 2022–2027 (USD MILLION)

- 6.4.1.2.2 Remotely operated underwater vehicles, by propulsion system
 - 6.4.1.2.2.1 Electric systems
 - 6.4.1.2.2.2 Fully electric
 - 6.4.1.2.2.3 Hybrid
 - 6.4.1.2.3 Non-electric systems
 - 6.4.1.2.3.1 Extensive R&D to develop highly efficient fuel cell propulsion systems

to drive market

TABLE 81 SECURITY ROBOTS MARKET FOR ROV, BY PROPULSION TYPE, 2018–2021 (USD MILLION)

TABLE 82 SECURITY ROBOTS MARKET FOR ROV, BY PROPULSION TYPE, 2022–2027 (USD MILLION)

TABLE 83 SECURITY ROBOTS MARKET FOR ROV IN NORTH AMERICA, BY PROPULSION TYPE, 2018–2021 (USD MILLION)

TABLE 84 SECURITY ROBOTS MARKET FOR ROV IN NORTH AMERICA, BY PROPULSION TYPE, 2022–2027 (USD MILLION)

TABLE 85 SECURITY ROBOTS MARKET FOR ROV IN EUROPE, BY PROPULSION TYPE, 2018–2021 (USD MILLION)

TABLE 86 SECURITY ROBOTS MARKET FOR ROV IN EUROPE, BY PROPULSION TYPE, 2022–2027 (USD MILLION)

TABLE 87 SECURITY ROBOTS MARKET FOR ROV IN ASIA PACIFIC, BY PROPULSION TYPE, 2018–2021 (USD MILLION)

TABLE 88 SECURITY ROBOTS MARKET FOR ROV IN ASIA PACIFIC, BY PROPULSION TYPE, 2022–2027 (USD MILLION)

TABLE 89 SECURITY ROBOTS MARKET FOR ROV IN ROW, BY PROPULSION TYPE, 2018–2021 (USD MILLION)

TABLE 90 SECURITY ROBOTS MARKET FOR ROV IN ROW, BY PROPULSION TYPE, 2022–2027 (USD MILLION)

7 SECURITY ROBOTS MARKET, BY APPLICATION

7.1 INTRODUCTION

FIGURE 34 SECURITY ROBOTS MARKET, BY APPLICATION

7.2 SPYING

7.3 EXPLOSIVE DETECTION

7.4 FIREFIGHTING

7.5 DEMINING

7.6 RESCUE OPERATIONS

7.7 TRANSPORTATION

7.8 PATROLLING

8 SECURITY ROBOTS MARKET, BY END USER

8.1 INTRODUCTION

FIGURE 35 SECURITY ROBOTS MARKET, BY END USER

FIGURE 36 MILITARY & DEFENSE SEGMENT TO ACCOUNT FOR LARGEST SIZE OF SECURITY ROBOTS MARKET FOR UAV FROM 2022 TO 2027

TABLE 91 SECURITY ROBOTS MARKET, BY END USER, 2018–2021 (USD MILLION)

TABLE 92 SECURITY ROBOTS MARKET, BY END USER, 2022–2027 (USD MILLION)

TABLE 93 SECURITY ROBOTS MARKET FOR UAV, BY END USER, 2018–2021 (USD MILLION)

TABLE 94 SECURITY ROBOTS MARKET FOR UAV, BY END USER, 2022–2027 (USD MILLION)

TABLE 95 SECURITY ROBOTS MARKET FOR UGV, BY END USER, 2018–2021 (USD MILLION)

TABLE 96 SECURITY ROBOTS MARKET FOR UGV, BY END USER, 2022–2027 (USD MILLION)

TABLE 97 SECURITY ROBOTS MARKET FOR ROV, BY END USER, 2018–2021 (USD MILLION)

TABLE 98 SECURITY ROBOTS MARKET FOR ROV, BY END USER, 2022–2027 (USD MILLION)

TABLE 99 SECURITY ROBOTS MARKET FOR AUV, BY END USER, 2018–2021 (USD MILLION)

TABLE 100 SECURITY ROBOTS MARKET FOR AUV, BY END USER, 2022–2027 (USD MILLION)

8.2 COMMERCIAL

8.2.1 INCREASING APPLICATIONS OF SECURITY ROBOTS IN COMMERCIAL SECTOR OWING TO THEIR EFFICIENCY IN OPERATIONS

8.3 CIVIL/RESIDENTIAL

8.3.1 EASE OF USAGE OF SECURITY ROBOTS FOR RESIDENTIAL PURPOSES TO DRIVE DEMAND FOR SECURITY ROBOTS

8.4 MILITARY & DEFENSE

8.4.1 RISING DEMAND FOR SMALL DRONES IN DEFENSE SECTOR FOR SURVEILLANCE AND RECONNAISSANCE ACTIVITIES AND BORDER SECURITY APPLICATIONS

8.5 OTHERS

8.5.1 LAW ENFORCEMENT

8.5.1.1 Increase in terrorist activities has resulted in use of security robots for law enforcement applications

8.5.2 FEDERAL LAW ENFORCEMENT

8.5.2.1 UGVs are extensively used by federal law enforcement agencies for dangerous missions

9 GEOGRAPHIC ANALYSIS

9.1 INTRODUCTION

FIGURE 37 GEOGRAPHIC SNAPSHOT: SECURITY ROBOTS MARKET

FIGURE 38 NORTH AMERICA EXPECTED TO HOLD LARGEST SHARE OF SECURITY ROBOTS MARKET FOR UAV THROUGHOUT FORECAST PERIOD

TABLE 101 SECURITY ROBOTS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 102 SECURITY ROBOTS MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 103 SECURITY ROBOTS MARKET FOR UGV, BY REGION, 2018–2021 (USD MILLION)

TABLE 104 SECURITY ROBOTS MARKET FOR UGV, BY REGION, 2022–2027 (USD MILLION)

TABLE 105 SECURITY ROBOTS MARKET FOR AUV, BY REGION, 2018–2021 (USD MILLION)

TABLE 106 SECURITY ROBOTS MARKET FOR AUV, BY REGION, 2022–2027 (USD MILLION)

TABLE 107 SECURITY ROBOTS MARKET FOR ROV, BY REGION, 2018–2021 (USD MILLION)

TABLE 108 SECURITY ROBOTS MARKET FOR ROV, BY REGION, 2022–2027 (USD MILLION)

TABLE 109 SECURITY ROBOTS MARKET FOR UAV, BY REGION, 2018–2021 (USD MILLION)

TABLE 110 SECURITY ROBOTS MARKET FOR UAV, BY REGION, 2022–2027 (USD MILLION)

9.2 NORTH AMERICA

9.2.1 IMPACT OF COVID-19 ON SECURITY ROBOTS MARKET IN NORTH AMERICA

FIGURE 39 NORTH AMERICA: SNAPSHOT OF SECURITY ROBOTS MARKET

FIGURE 40 US ESTIMATED TO ACCOUNT FOR LARGER SHARE OF SECURITY ROBOTS MARKET FOR UAV IN NORTH AMERICA IN 2027

TABLE 111 SECURITY ROBOTS MARKET FOR UAV IN NORTH AMERICA, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 112 SECURITY ROBOTS MARKET FOR UAV IN NORTH AMERICA, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 113 SECURITY ROBOTS MARKET FOR UGV IN NORTH AMERICA, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 114 SECURITY ROBOTS MARKET FOR UGV IN NORTH AMERICA, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 115 SECURITY ROBOTS MARKET FOR AUV IN NORTH AMERICA, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 116 SECURITY ROBOTS MARKET FOR AUV IN NORTH AMERICA, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 117 SECURITY ROBOTS MARKET FOR ROV IN NORTH AMERICA, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 118 SECURITY ROBOTS MARKET FOR ROV IN NORTH AMERICA, BY COUNTRY, 2022–2027 (USD MILLION)

9.2.2 US

9.2.2.1 Innovations and changes in regulations related to security robots to fuel market growth

9.2.3 CANADA

9.2.3.1 Deployment of security robots to keep check on human trafficking, smuggling, and illegal migration across international borders to boost market growth

9.3 EUROPE

9.3.1 IMPACT OF COVID-19 ON SECURITY ROBOTS MARKET IN EUROPE

FIGURE 41 EUROPE: SNAPSHOT OF SECURITY ROBOTS MARKET

FIGURE 42 UK ESTIMATED TO ACCOUNT FOR LARGEST SHARE OF SECURITY ROBOTS MARKET FOR UAV IN EUROPE IN 2027

TABLE 119 SECURITY ROBOTS MARKET FOR UAV IN EUROPE, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 120 SECURITY ROBOTS MARKET FOR UAV IN EUROPE, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 121 SECURITY ROBOTS MARKET FOR UGV IN EUROPE, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 122 SECURITY ROBOTS MARKET FOR UGV IN EUROPE, BY COUNTRY,

2022–2027 (USD MILLION)

TABLE 123 SECURITY ROBOTS MARKET FOR AUV IN EUROPE, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 124 SECURITY ROBOTS MARKET FOR AUV IN EUROPE, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 125 SECURITY ROBOTS MARKET FOR ROV IN EUROPE, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 126 SECURITY ROBOTS MARKET FOR ROV IN EUROPE, BY COUNTRY, 2022–2027 (USD MILLION)

9.3.2 UK

9.3.2.1 Increasing investments in defense and border control expected to drive growth of UAV market

9.3.3 GERMANY

9.3.3.1 Growing investments for high-performance drone development for civil and commercial sectors to boost market growth

9.3.4 FRANCE

9.3.4.1 Rising importance of drones for civil and commercial applications to propel growth of security robots market

9.3.5 REST OF EUROPE

9.4 ASIA PACIFIC

9.4.1 IMPACT OF COVID-19 ON SECURITY ROBOTS MARKET IN ASIA PACIFIC

FIGURE 43 ASIA PACIFIC: SNAPSHOT OF SECURITY ROBOTS MARKET

FIGURE 44 CHINA ESTIMATED TO ACCOUNT FOR LARGEST SHARE OF SECURITY ROBOTS MARKET AMONG OTHER COUNTRIES IN ASIA PACIFIC IN 2027

TABLE 127 SECURITY ROBOTS MARKET FOR UAV IN ASIA PACIFIC, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 128 SECURITY ROBOTS MARKET FOR UAV IN ASIA PACIFIC, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 129 SECURITY ROBOTS MARKET FOR UGV IN ASIA PACIFIC, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 130 SECURITY ROBOTS MARKET FOR UGV IN ASIA PACIFIC, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 131 SECURITY ROBOTS MARKET FOR AUV IN ASIA PACIFIC, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 132 SECURITY ROBOTS MARKET FOR AUV IN ASIA PACIFIC, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 133 SECURITY ROBOTS MARKET FOR ROV IN ASIA PACIFIC, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 134 SECURITY ROBOTS MARKET FOR ROV IN ASIA PACIFIC, BY COUNTRY, 2022–2027 (USD MILLION)**9.4.2 CHINA**

9.4.2.1 Rising demand for unmanned systems given their immense roles in civil & defense applications to drive market growth

9.4.3 JAPAN

9.4.3.1 Surging demand for mini-UAVs for radiation detection techniques along with surveillance to boost market growth

9.4.4 INDIA

9.4.4.1 Frequent terrorist attacks and border disputes with neighboring countries to boost demand for security robots in India

9.4.5 REST OF APAC**9.5 ROW****9.5.1 IMPACT OF COVID-19 ON SECURITY ROBOTS MARKET IN ROW**

FIGURE 45 MIDDLE EAST ESTIMATED TO ACCOUNT FOR LARGER SHARE OF SECURITY ROBOTS MARKET IN ROW IN 2027

TABLE 135 SECURITY ROBOTS MARKET FOR UAV IN ROW, BY REGION, 2018–2021 (USD MILLION)

TABLE 136 SECURITY ROBOTS MARKET FOR UAV IN ROW, BY REGION, 2022–2027 (USD MILLION)

TABLE 137 SECURITY ROBOTS MARKET FOR UGV IN ROW, BY REGION, 2018–2021 (USD MILLION)

TABLE 138 SECURITY ROBOTS MARKET FOR UGV IN ROW, BY REGION, 2022–2027 (USD MILLION)

TABLE 139 SECURITY ROBOTS MARKET FOR ROV IN ROW, BY REGION, 2018–2021 (USD MILLION)

TABLE 140 SECURITY ROBOTS MARKET FOR ROV IN ROW, BY REGION, 2022–2027 (USD MILLION)

TABLE 141 SECURITY ROBOTS MARKET FOR AUV IN ROW, BY REGION, 2018–2021 (USD MILLION)

TABLE 142 SECURITY ROBOTS MARKET FOR AUV IN ROW, BY REGION, 2022–2027 (USD MILLION)

9.5.2 SOUTH AMERICA

9.5.2.1 Rising demand for security surveillance to drive market growth

9.5.3 MIDDLE EAST & AFRICA

9.5.3.1 Increasing defense spending to ensure security to boost market growth

10 COMPETITIVE LANDSCAPE

10.1 INTRODUCTION

10.2 KEY PLAYER STRATEGIES/RIGHT TO WIN

10.2.1 OVERVIEW OF STRATEGIES DEPLOYED BY KEY PLAYERS IN SECURITY ROBOTS MARKET

10.3 TOP 5 COMPANY REVENUE ANALYSIS

FIGURE 46 TOP 5 PLAYERS IN UUV MARKET, 2017–2021

10.4 MARKET SHARE ANALYSIS OF TOP PLAYERS, 2020–2021

TABLE 143 GLOBAL UUV MARKET: MARKET SHARE ANALYSIS

10.5 COMPETITIVE EVALUATION QUADRANT, 2020

10.5.1 STAR

10.5.2 EMERGING LEADER

10.5.3 PERVASIVE

10.5.4 PARTICIPANT

FIGURE 47 SECURITY ROBOTS MARKET (GLOBAL) COMPANY EVALUATION QUADRANT, 2021

10.6 SMALL AND MEDIUM-SIZED ENTERPRISES (SME) EVALUATION QUADRANT, 2020

10.6.1 PROGRESSIVE COMPANY

10.6.2 RESPONSIVE COMPANY

10.6.3 DYNAMIC COMPANY

10.6.4 STARTING BLOCK

FIGURE 48 SECURITY ROBOTS MARKET (GLOBAL) SME EVALUATION QUADRANT, 2021

10.6.5 SECURITY ROBOTS MARKET: COMPANY FOOTPRINT

TABLE 144 COMPANY COMPONENTS FOOTPRINT

TABLE 145 COMPANY END USER FOOTPRINT

TABLE 146 COMPANY REGION FOOTPRINT

TABLE 147 COMPANY FOOTPRINT

10.6.6 SECURITY ROBOTS MARKET: STARTUP MATRIX

TABLE 148 SECURITY ROBOTS MARKET: DETAILED LIST OF KEY STARTUP/SMES

TABLE 149 SECURITY ROBOTS MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUP/SME, BY TYPE

TABLE 150 SECURITY ROBOTS MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUP/SME, END USER AND REGION

10.7 COMPETITIVE SITUATIONS AND TRENDS

10.7.1 PRODUCT LAUNCHES

TABLE 151 SECURITY ROBOTS MARKET: PRODUCT LAUNCHES

10.7.2 DEALS

TABLE 152 SECURITY ROBOTS MARKET: DEALS**11 COMPANY PROFILES**

(Business overview, Products offered, Recent developments & MnM View)*

11.1 KEY PLAYERS**11.1.1 AEROVIRONMENT, INC.**

TABLE 153 AEROVIRONMENT, INC.: BUSINESS OVERVIEW

FIGURE 49 AEROVIRONMENT, INC.: COMPANY SNAPSHOT

TABLE 154 AEROVIRONMENT, INC.: PRODUCT OFFERINGS

11.1.2 BAE SYSTEMS

TABLE 155 BAE SYSTEMS: BUSINESS OVERVIEW

FIGURE 50 BAE SYSTEMS: COMPANY SNAPSHOT

TABLE 156 BAE SYSTEMS: PRODUCT OFFERINGS

11.1.3 BOSTON DYNAMICS

TABLE 157 BOSTON DYNAMICS: BUSINESS OVERVIEW

TABLE 158 BOSTON DYNAMICS: PRODUCT OFFERINGS

11.1.4 SAAB

TABLE 159 SAAB: BUSINESS OVERVIEW

FIGURE 51 SAAB: COMPANY SNAPSHOT

TABLE 160 SAAB: PRODUCT OFFERINGS

TABLE 161 SAAB: PRODUCT LAUNCHES AND DEVELOPMENTS

11.1.5 COBHAM LIMITED

TABLE 162 COBHAM LIMITED: BUSINESS OVERVIEW

TABLE 163 COBHAM LIMITED: PRODUCT OFFERINGS

11.1.6 ECA GROUP

TABLE 164 ECA GROUP.: BUSINESS OVERVIEW

TABLE 165 ECA GROUP.: PRODUCT OFFERINGS

11.1.7 ELBIT SYSTEMS LTD.

TABLE 166 ELBIT SYSTEMS LTD.: BUSINESS OVERVIEW

FIGURE 52 ELBIT SYSTEMS LTD.: COMPANY SNAPSHOT

TABLE 167 ELBIT SYSTEMS LTD.: PRODUCT OFFERINGS

11.1.8 KNIGHTSCOPE, INC.

TABLE 168 KNIGHTSCOPE, INC.: BUSINESS OVERVIEW

FIGURE 53 KNIGHTSCOPE, INC.: COMPANY SNAPSHOT

TABLE 169 KNIGHTSCOPE, INC.: PRODUCT OFFERINGS

11.1.9 KONGSBERG

TABLE 170 KONGSBERG: BUSINESS OVERVIEW

FIGURE 54 KONGSBERG.: COMPANY SNAPSHOT

TABLE 171 KONGSBERG: PRODUCT OFFERINGS

11.1.10 LEONARDO S.P.A.

TABLE 172 LEONARDO S.P.A.: BUSINESS OVERVIEW**FIGURE 55 LEONARDO S.P.A.: COMPANY SNAPSHOT****TABLE 173 LEONARDO S.P.A.: PRODUCT OFFERINGS**

11.1.11 LOCKHEED MARTIN CORPORATION

TABLE 174 LOCKHEED MARTIN CORPORATION: BUSINESS OVERVIEW**FIGURE 56 LOCKHEED MARTIN CORPORATION: COMPANY SNAPSHOT****TABLE 175 LOCKHEED MARTIN CORPORATION: PRODUCT OFFERINGS**

11.1.12 NORTHROP GRUMMAN

TABLE 176 NORTHROP GRUMMAN: BUSINESS OVERVIEW**FIGURE 57 NORTHROP GRUMMAN: COMPANY SNAPSHOT****TABLE 177 NORTHROP GRUMMAN: PRODUCT OFFERINGS**

11.1.13 QINETIQ

TABLE 178 QINETIQ: BUSINESS OVERVIEW**FIGURE 58 QINETIQ: COMPANY SNAPSHOT****TABLE 179 QINETIQ: PRODUCT OFFERINGS**

11.1.14 SMP ROBOTICS

TABLE 180 SMP ROBOTICS: BUSINESS OVERVIEW**TABLE 181 SMP ROBOTICS: PRODUCT OFFERINGS**

11.1.15 THALES

TABLE 182 THALES: BUSINESS OVERVIEW**FIGURE 59 THALES: COMPANY SNAPSHOT****TABLE 183 THALES: PRODUCT OFFERINGS**

*Details on Business overview, Products offered, Recent developments & MnM View might not be captured in case of unlisted companies.

11.2 OTHER KEY PLAYERS

11.2.1 AUTONOMOUS SOLUTIONS, INC.

11.2.2 BOEING

11.2.3 DJI

11.2.4 FLIR SYSTEMS

11.2.5 TEXTRON

11.2.6 RHEINMETALL AG

11.2.7 L3 HARRIS TECHNOLOGIES

11.2.8 RECONROBOTICS INC.

11.2.9 ROBOTEX INC.

11.2.10 COBALT ROBOTICS

12 ADJACENT & RELATED MARKETS

12.1 INTRODUCTION

12.2 LIMITATIONS

12.3 COLLABORATIVE ROBOTS MARKET

12.4 COLLABORATIVE ROBOTS MARKET, BY PAYLOAD

12.4.1 INTRODUCTION

TABLE 184 COLLABORATIVE ROBOT MARKET, BY PAYLOAD, 2017–2020 (USD MILLION)

TABLE 185 COLLABORATIVE ROBOT MARKET, BY PAYLOAD, 2021–2027 (USD MILLION)

TABLE 186 COLLABORATIVE ROBOT MARKET, BY PAYLOAD, 2017–2020 (UNITS)

TABLE 187 COLLABORATIVE ROBOT MARKET, BY PAYLOAD, 2021–2027 (UNITS)

12.5 UP TO 5 KG

12.5.1 COBOTS WITH PAYLOAD CAPACITY BELOW 5 KG ARE INHERENTLY SAFE

TABLE 188 COMPANIES OFFERING COBOTS WITH PAYLOAD CAPACITY UP TO 5 KG

TABLE 189 COLLABORATIVE ROBOT MARKET FOR PAYLOAD UP TO 5 KG, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 190 COLLABORATIVE ROBOT MARKET FOR PAYLOAD UP TO 5 KG, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 191 COLLABORATIVE ROBOT MARKET FOR PAYLOAD UP TO 5 KG, BY APPLICATION, 2017–2020 (UNITS)

TABLE 192 COLLABORATIVE ROBOT MARKET FOR PAYLOAD UP TO 5 KG, BY APPLICATION, 2021–2027 (UNITS)

TABLE 193 COLLABORATIVE ROBOT MARKET FOR PAYLOAD UP TO 5 KG, BY INDUSTRY, 2017–2020 (USD MILLION)

TABLE 194 COLLABORATIVE ROBOT MARKET FOR PAYLOAD UP TO 5 KG, BY INDUSTRY, 2021–2027 (USD MILLION)

12.6 5–10 KG

12.6.1 MOST COBOTS WITH 5–10 KG PAYLOAD CAPACITY CAN BE EQUIPPED WITH IN-BUILT FORCE SENSORS

TABLE 195 COMPANIES OFFERING COBOTS WITH 5–10 KG PAYLOAD CAPACITY

TABLE 196 COLLABORATIVE ROBOT MARKET FOR 5–10 KG PAYLOAD, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 197 COLLABORATIVE ROBOT MARKET FOR 5–10 KG PAYLOAD, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 198 COLLABORATIVE ROBOT MARKET FOR 5–10 KG PAYLOAD, BY APPLICATION, 2017–2020 (UNITS)

TABLE 199 COLLABORATIVE ROBOT MARKET FOR 5–10 KG PAYLOAD, BY APPLICATION, 2021–2027 (UNITS)

TABLE 200 COLLABORATIVE ROBOT MARKET FOR 5–10 KG PAYLOAD, BY INDUSTRY, 2017–2020 (USD MILLION)

TABLE 201 COLLABORATIVE ROBOT MARKET FOR 5–10 KG PAYLOAD, BY INDUSTRY, 2021–2027 (USD MILLION)

12.7 MORE THAN 10 KG

12.7.1 ADVANCES IN ROBOTIC HARDWARE ENABLE MANUFACTURERS TO DEVELOP COLLABORATIVE ROBOTS WITH PAYLOAD CAPACITY ABOVE 10 KG

TABLE 202 COMPANIES OFFERING COBOTS WITH PAYLOAD CAPACITY MORE THAN 10 KG

TABLE 203 COLLABORATIVE ROBOT MARKET FOR MORE THAN 10 KG PAYLOAD, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 204 COLLABORATIVE ROBOT MARKET FOR MORE THAN 10 KG PAYLOAD, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 205 COLLABORATIVE ROBOT MARKET FOR MORE THAN 10 KG PAYLOAD, BY APPLICATION, 2017–2020 (UNITS)

TABLE 206 COLLABORATIVE ROBOT MARKET FOR MORE THAN 10 KG PAYLOAD, BY APPLICATION, 2021–2027 (UNITS)

TABLE 207 COLLABORATIVE ROBOT MARKET FOR MORE THAN 10 KG PAYLOAD, BY INDUSTRY, 2017–2020 (USD MILLION)

TABLE 208 COLLABORATIVE ROBOT MARKET FOR MORE THAN 10 KG PAYLOAD, BY INDUSTRY, 2021–2027 (USD MILLION)

13 APPENDIX

13.1 INSIGHTS OF INDUSTRY EXPERTS

13.2 DISCUSSION GUIDE

13.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

13.4 AVAILABLE CUSTOMIZATIONS

13.5 RELATED REPORTS

13.6 AUTHOR DETAILS

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