

# **Service Robotics Market by Environment (Aerial, Ground, Marine), Type (Professional, Personal & Domestic), Component, Application (Logistics, Inspection & Maintenance, Public Relations, Education) and Region - Global Forecast to 2028**

<https://marketpublishers.com/r/P3B62171921EN.html>

Date: March 2023

Pages: 293

Price: US\$ 4,950.00 (Single User License)

ID: P3B62171921EN

## **Abstracts**

The service robotics market is projected to reach USD 84.8 billion by 2028 from USD 41.5 billion in 2023; it is expected to grow at a CAGR of 15.4% from 2023 to 2028. Growing adoption of robots for new applications, surging use of IoT in robots for cost-effective predictive maintenance, and increasing use of disinfection robots due to rising cases of hospital-acquired infections (HAIs) are driving the growth of the service robotics market. Robots are increasingly being adopted for new applications due to advantages such as increased productivity, streamlined processes, and greater workplace safety.

The recession's impact on the service robotics market has been analyzed in this study. The short-term outlook for robot revenues is expected to be worse in the third quarter of 2023. Rising inflation, increasing interest rates, unemployment, and energy crises will lead to slow economic activity. As a result, end-user industries experience deterioration of their businesses, cash flow, and ability to obtain financing, delaying or canceling product purchase plans.

“Camera market to hold a significant share of the market for hardware during the forecast period”

Multispectral cameras capture image data within specific wavelength ranges across the electromagnetic spectrum. This technique is based on the principle that every material responds differently (reflection and absorption) to different wavelengths. Multispectral

cameras are equipped in robots for various applications, such as remote sensing, pollution monitoring, field surveillance, food quality, agriculture, astronomy, geological mapping, and medicine. They find applications in laparoscopic telesurgical procedures to inspect organs, detect cancer, and identify pathogens. Surface Optics (US) and Resonon (US) manufacture LightShift and Pika series multispectral cameras, respectively.

“Research and space exploration application for service robotics market is expected to grow at the highest CAGR during the forecast period”

The market for research & space exploration is expected to grow at the highest CAGR during the forecast period. Drones are adopted for scientific research applications as well. Scientists worldwide have been adopting drones for scientific research on volcanoes and marginalized zones (transition zones between the ocean and sea ice). Maxar Technologies (US), Motiv Space Systems (US), Altius Space Machines (US), Northrop Grumman (US), Honeybee Robotics (US), Astrobotic Technology (US), Made In Space (US), and Effective Space Solutions Limited (UK) are some of the key players manufacturing space exploration robots.

“Europe to hold a significant share of the service robotics market during the forecast period”

Europe is projected to hold a significantly large share for service robotics market during the forecast period. An increase in investments for the development of robots for the healthcare and logistics industry is to drive the market in Europe. Aeroc?maras, EGROBOTS, Exyn Technologies, and Helm.ai are a few startup companies based in France to have raised significant funding for the development of service robots for various industries. Germany is a pioneer in the adoption of precision farming technologies. 10% of the farmers in the country utilize drones, which indicates the role of robots in the digitization of the sector. The field size of these farms is often more than 50 hectares and is frequently larger than elsewhere in Europe. This has led to significant demand for agricultural robots in the country.

The report profiles key players in the service robotics market with their respective market ranking analysis. Prominent players profiled in this report are Intuitive Surgical (US), DJI (China), Daifuku (Japan), iRobot (US), Samsung Electronics (South Korea), JD.com Inc. (China), DeLaval (Sweden), Kongsberg Maritime (Norway), and Northrop Grumman (US) among others.

## Research Coverage:

This research report categorizes the service robotics market on the basis of type, component, environment, application, and geography. The report describes the major drivers, restraints, challenges, and opportunities pertaining to the service robotics market and forecasts the same till 2028 (including analysis of recession impact on the market). Apart from these, the report also consists of leadership mapping and analysis of all the companies included in the service robotics ecosystem.

## Key Benefits of Buying the Report

The report would help leaders/new entrants in this market in the following ways:

1. This report segments the service robotics market comprehensively and provides the closest market size projection for all subsegments across different regions.
2. The report helps stakeholders understand the pulse of the market and provides them with information on key drivers, restraints, challenges, and opportunities for market growth.
3. This report would help stakeholders understand their competitors better and gain more insights to improve their position in the business. The competitive landscape section includes competitor ecosystem, product developments and launches, partnerships, and mergers and acquisitions.
4. The analysis of the major 25 companies, based on the strength of the market rank as well as the product footprint will help stakeholders visualize the market positioning of these key players.
5. Patent analysis, trade data, porters five forces analysis, and technological analysis that will shape the market in the coming years has also been covered in this report.

## Contents

### 1 INTRODUCTION

#### 1.1 STUDY OBJECTIVES

#### 1.2 MARKET DEFINITION

##### 1.2.1 INCLUSIONS AND EXCLUSIONS

#### 1.3 STUDY SCOPE

##### FIGURE 1 SERVICE ROBOTICS MARKET: SEGMENTATION

##### FIGURE 2 SERVICE ROBOTICS MARKET: REGIONAL SCOPE

##### 1.3.1 YEARS CONSIDERED

#### 1.4 CURRENCY CONSIDERED

#### 1.5 STAKEHOLDERS

#### 1.6 SUMMARY OF CHANGES

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

##### FIGURE 3 SERVICE ROBOTICS MARKET: RESEARCH DESIGN

##### 2.1.1 SECONDARY DATA

###### 2.1.1.1 Major secondary sources

###### 2.1.1.2 Key data from secondary sources

##### 2.1.2 PRIMARY DATA

###### 2.1.2.1 Key data from primary sources

###### 2.1.2.2 Breakdown of primaries

#### 2.2 SECONDARY AND PRIMARY RESEARCH

##### 2.2.1 KEY INDUSTRY INSIGHTS

#### 2.3 MARKET SIZE ESTIMATION

##### 2.3.1 BOTTOM-UP APPROACH

###### 2.3.1.1 Approach to derive market size using bottom-up analysis

##### FIGURE 4 SERVICE ROBOTICS MARKET: BOTTOM-UP APPROACH

##### 2.3.2 TOP-DOWN APPROACH

##### FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY—TOP-DOWN APPROACH (SUPPLY SIDE): REVENUE GENERATED BY MARKET PLAYERS OFFERING DELIVERY ROBOTS

###### 2.3.2.1 Approach to derive market size using top-down analysis

##### FIGURE 6 SERVICE ROBOTICS MARKET: TOP-DOWN APPROACH

##### 2.3.3 MARKET PROJECTIONS

#### 2.4 MARKET BREAKDOWN AND DATA TRIANGULATION

## FIGURE 7 DATA TRIANGULATION

### 2.5 RESEARCH ASSUMPTIONS AND LIMITATIONS

#### 2.5.1 ASSUMPTIONS

#### 2.5.2 LIMITATIONS

#### 2.5.3 PARAMETERS CONSIDERED TO ANALYZE IMPACT OF RECESSION

#### 2.5.4 RISK ASSESSMENT

## 3 EXECUTIVE SUMMARY

### 3.1 RECESSION IMPACT ANALYSIS

FIGURE 8 GDP GROWTH PROJECTION TILL 2023 FOR MAJOR ECONOMIES

FIGURE 9 RECESSION IMPACT ON SERVICE ROBOTICS MARKET

FIGURE 10 GROUND SEGMENT TO DOMINATE SERVICE ROBOTICS MARKET, BY ENVIRONMENT, DURING FORECAST PERIOD

FIGURE 11 PERSONAL & DOMESTIC SEGMENT TO REGISTER HIGHER CAGR IN SERVICE ROBOTICS MARKET, BY TYPE, DURING FORECAST PERIOD

FIGURE 12 SOFTWARE SEGMENT TO REGISTER HIGHER CAGR IN SERVICE ROBOTICS MARKET, BY COMPONENT, DURING FORECASTED PERIOD

FIGURE 13 DOMESTIC SEGMENT TO HOLD LARGEST SHARE OF SERVICE ROBOTICS MARKET, BY APPLICATION, IN 2023

FIGURE 14 NORTH AMERICA TO ACCOUNT FOR LARGEST SHARE OF SERVICE ROBOTICS MARKET IN 2023

## 4 PREMIUM INSIGHTS

### 4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN SERVICE ROBOTICS MARKET

FIGURE 15 INCREASING GOVERNMENT-LED FUNDING FOR RESEARCH ON ROBOTS

### 4.2 SERVICE ROBOTICS MARKET, BY ENVIRONMENT

FIGURE 16 GROUND SEGMENT TO HOLD LARGEST SHARE OF SERVICE ROBOTICS MARKET DURING FORECAST PERIOD

### 4.3 SERVICE ROBOTICS MARKET, BY TYPE

FIGURE 17 PROFESSIONAL ROBOTS SEGMENT TO ACCOUNT FOR LARGER MARKET SHARE IN 2023

### 4.4 SERVICE ROBOTICS MARKET, BY COMPONENT

FIGURE 18 HARDWARE SEGMENT TO HOLD LARGER MARKET SHARE DURING FORECAST PERIOD

### 4.5 SERVICE ROBOTICS MARKET, BY APPLICATION

FIGURE 19 DOMESTIC SEGMENT TO HOLD LARGEST SHARE OF SERVICE ROBOTICS MARKET IN 2023

4.6 SERVICE ROBOTICS MARKET, BY REGION

FIGURE 20 ASIA PACIFIC SERVICE ROBOTICS MARKET TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

## 5 MARKET OVERVIEW

### 5.1 MARKET DYNAMICS

FIGURE 21 SERVICE ROBOTICS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

FIGURE 22 SERVICE ROBOTICS MARKET: IMPACT OF DRIVERS

FIGURE 23 SERVICE ROBOTICS MARKET: IMPACT OF OPPORTUNITIES

FIGURE 24 SERVICE ROBOTICS MARKET: IMPACT OF CHALLENGES AND RESTRAINTS

#### 5.1.1 DRIVERS

5.1.1.1 Growing adoption of robots in new applications to achieve high returns on investment (RoI)

5.1.1.2 Rising use of Internet of Things (IoT) in robots for cost-effective predictive maintenance

5.1.1.3 Increasing need to reduce hospital-acquired infections

5.1.1.4 Increasing funding for research on robots

5.1.1.5 Rising insurance coverage for medical exoskeletons and robotic surgeries

#### 5.1.2 RESTRAINTS

5.1.2.1 Concerns regarding data privacy and regulations

#### 5.1.3 OPPORTUNITIES

5.1.3.1 Use of robots for companionship and assisting handicapped and geriatric population

5.1.3.2 Focus on improving endurance and capability of robots

5.1.3.3 Adoption of swarm intelligence technology to enable robots to perform complex tasks

#### 5.1.4 CHALLENGES

5.1.4.1 Inaccurate results impeding use in critical operations

### 5.2 VALUE CHAIN ANALYSIS

FIGURE 25 SERVICE ROBOTICS MARKET: VALUE CHAIN ANALYSIS

#### 5.2.1 PLANNING AND REVISING FUNDS

#### 5.2.2 RESEARCH AND DEVELOPMENT (R&D)

#### 5.2.3 MANUFACTURING

#### 5.2.4 ASSEMBLY/SYSTEM INTEGRATION, DISTRIBUTION, AND AFTER-SALES

## SERVICES

### 5.2.5 MAJOR PLAYERS IN SERVICE ROBOTICS MARKET

#### 5.2.5.1 Robot OEMs

#### TABLE 1 MAPPING OF ROBOT TYPES AND OEMS

#### 5.2.5.2 Suppliers

#### 5.2.5.3 IT/Big data companies

#### 5.2.5.4 Software solution providers

#### 5.2.5.5 Start-ups

#### TABLE 2 MAPPING OF ROBOT TYPES AND START-UPS

#### 5.2.5.6 Research centers

## 5.3 ECOSYSTEM ANALYSIS

### FIGURE 26 SERVICE ROBOTICS MARKET: ECOSYSTEM ANALYSIS

#### TABLE 3 SERVICE ROBOTICS ECOSYSTEM: COMPANIES AND THEIR ROLE

## 5.4 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES

### FIGURE 27 REVENUE SHIFT FOR SERVICE ROBOTICS MARKET

## 5.5 PORTER'S FIVE FORCES ANALYSIS

#### TABLE 4 SERVICE ROBOTICS MARKET: IMPACT OF EACH FORCE

## 5.6 KEY STAKEHOLDERS AND BUYING CRITERIA

### 5.6.1 KEY STAKEHOLDERS IN BUYING PROCESS

#### FIGURE 28 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS, BY TOP THREE APPLICATIONS

#### TABLE 5 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS, BY TOP THREE APPLICATIONS (%)

### 5.6.2 BUYING CRITERIA

#### FIGURE 29 KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS

## 5.7 CASE STUDY ANALYSIS

### 5.7.1 SOFTBANK ROBOTICS DEPLOYED COMMERCIAL ROBOTIC VACUUM CLEANERS AT CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL AIRPORT (CVG)

### 5.7.2 CLEANING ROBOTS POWERED BY UVC LIGHT HELP MAINTAIN HYGIENE IN HEALTHCARE FACILITIES

## 5.8 TECHNOLOGY ANALYSIS

### 5.8.1 TELEPRESENCE ROBOTS AND HUMANOIDS

### 5.8.2 INTEGRATED ARTIFICIAL INTELLIGENCE (AI) WITH ROBOTS

### 5.8.3 RESEARCH ON STANDARD OS FOR ROBOTS

### 5.8.4 ROBOT AS A SERVICE (RAAS) BUSINESS MODEL

## 5.9 PRICING ANALYSIS

### 5.9.1 AVERAGE SELLING PRICE OF SERVICE ROBOTS OFFERED BY TOP THREE PLAYERS, BY TYPE



5.9.1.1 Delivery robots

5.9.1.2 Cleaning robots

TABLE 6 AVERAGE SELLING PRICE OF SERVICE ROBOTICS OFFERED BY TOP THREE PLAYERS, BY TYPE

5.10 TRADE ANALYSIS

5.10.1 TRADE ANALYSIS FOR VACUUM CLEANERS

FIGURE 30 IMPORT DATA FOR VACUUM CLEANERS, BY COUNTRY, 2017–2021 (USD MILLION)

FIGURE 31 EXPORT DATA FOR VACUUM CLEANERS, BY COUNTRY, 2017–2021 (USD MILLION)

5.11 PATENTS ANALYSIS

FIGURE 32 ANALYSIS OF PATENTS GRANTED IN SERVICE ROBOTICS MARKET

TABLE 7 SERVICE ROBOTICS MARKET: RELATED PATENTS

5.12 KEY CONFERENCES AND EVENTS, 2023–2024

TABLE 8 SERVICE ROBOTICS MARKET: DETAILED LIST OF CONFERENCES AND EVENTS

5.13 TARIFF AND REGULATORY LANDSCAPE

5.13.1 REGIONAL STANDARDS AND REGULATIONS RELATED TO SERVICE ROBOTICS MARKET

5.13.2 NORTH AMERICA

5.13.3 EUROPE

5.13.4 ASIA PACIFIC

5.13.5 TARIFF ANALYSIS

5.13.5.1 Tariff analysis for cleaning robots (including domestic robots)

5.13.6 MFN TARIFF FOR VACUUM CLEANERS (INCLUDING DOMESTIC ROBOTS) EXPORTED BY US

5.13.7 MFN TARIFF FOR VACUUM CLEANERS (INCLUDING DOMESTIC ROBOTS) EXPORTED BY CHINA

## **6 SERVICE ROBOTICS MARKET, BY COMPONENT**

6.1 INTRODUCTION

TABLE 9 SERVICE ROBOTICS MARKET, BY COMPONENT, 2019–2022 (USD MILLION)

TABLE 10 SERVICE ROBOTICS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

6.2 HARDWARE

FIGURE 33 CAMERAS SEGMENT TO REGISTER HIGHEST CAGR IN SERVICE ROBOTICS MARKET DURING FORECAST PERIOD



TABLE 11 HARDWARE: SERVICE ROBOTICS MARKET, BY COMPONENT, 2019–2022 (USD MILLION)

TABLE 12 HARDWARE: SERVICE ROBOTICS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 13 HARDWARE: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 14 HARDWARE: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

## 6.2.1 AIRFRAMES

### 6.2.1.1 Alloy airframes

6.2.1.1.1 Alloys for airframes made of aluminum, magnesium, or titanium

### 6.2.1.2 Plastic airframes

6.2.1.2.1 Plastics used in propeller blades and to mold outer shells of drones

### 6.2.1.3 Composite airframes

6.2.1.3.1 Composites offer high strength

## 6.2.2 SENSORS

### 6.2.2.1 Motion sensors

6.2.2.1.1 Motion sensors used to detect speed, direction of motion, and obstacles

### 6.2.2.2 Light sensors

6.2.2.2.1 Light sensors used in LiDAR for navigation and collision avoidance

### 6.2.2.3 Proximity sensors

6.2.2.3.1 Proximity sensors used in various service robots to detect nearby objects

### 6.2.2.4 Temperature sensors

6.2.2.4.1 Temperature sensors used to detect temperature changes in surroundings

### 6.2.2.5 Position sensors

6.2.2.5.1 Position sensors provide information on movement in straight line and angular movements

### 6.2.2.6 Others

## 6.2.3 CAMERAS

### 6.2.3.1 Multispectral cameras

6.2.3.1.1 Multispectral cameras capture image data by detecting different wavelengths

### 6.2.3.2 Thermal cameras

6.2.3.2.1 Thermal cameras detect temperature by capturing different levels of infrared light

### 6.2.3.3 Infrared cameras

6.2.3.3.1 Infrared cameras detect heat and convert it into electronic signals

### 6.2.3.4 LiDAR cameras

6.2.3.4.1 LiDAR cameras used for 3D mapping of surrounding areas by utilizing

laser light

6.2.3.5 High-resolution cameras

6.2.3.5.1 High-resolution cameras capture detailed photographs of surroundings

6.2.4 ACTUATORS

6.2.4.1 Rotational actuators

6.2.4.1.1 AC, DC, servo, and stepper motors among various types of rotational actuators

6.2.4.2 Linear actuators

6.2.4.2.1 DC linear actuators, solenoids, and muscle wires among various types of linear actuators

6.2.5 POWER SUPPLY

6.2.5.1 Most service robots powered electrically by Li-ion, Li-polymer, and NiMH batteries

6.2.6 CONTROL SYSTEMS

6.2.6.1 Control systems responsible for controlling and coordinating all functions of service robots

6.2.7 NAVIGATION SYSTEMS

6.2.7.1 GPS/GNSS and GLONASS

6.2.7.1.1 GPS and GLONASS two main navigation systems used worldwide

6.2.7.2 Inertial navigation systems

6.2.7.2.1 Inertial navigation systems used for maneuvering aerial and marine vehicles

6.2.7.3 Safety assurance systems

6.2.7.3.1 Safety assurance systems generally collision avoidance systems for aerial vehicles

6.2.7.4 Compass navigation

6.2.7.4.1 Compass navigation used in conjunction with other navigation systems

6.2.8 PROPULSION SYSTEMS

6.2.8.1 Propulsion systems mainly consist of motor—primary device for facilitating movement

6.2.9 OTHERS

6.3 SOFTWARE

6.3.1 SOFTWARE USED IN ROBOT SET OF CODED COMMANDS AND LISTS OF INSTRUCTIONS TO PROGRAM IT ACCORDING TO TASKS REQUIRED

TABLE 15 SOFTWARE: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 16 SOFTWARE: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

## 7 SERVICE ROBOTICS MARKET, BY ENVIRONMENT

### 7.1 INTRODUCTION

TABLE 17 SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 18 SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

FIGURE 34 GROUND ROBOTS SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

### 7.2 AERIAL

TABLE 19 LIST OF COMPANIES OFFERING DRONES

TABLE 20 AERIAL ROBOTS: SERVICE ROBOTICS MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 21 AERIAL ROBOTS: SERVICE ROBOTICS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 22 AERIAL ROBOTS: SERVICE ROBOTICS MARKET, BY COMPONENT, 2019–2022 (USD MILLION)

TABLE 23 AERIAL ROBOTS: SERVICE ROBOTICS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 24 AERIAL ROBOTS: SERVICE ROBOTICS MARKET, BY HARDWARE, 2019–2022 (USD MILLION)

TABLE 25 AERIAL ROBOTS: SERVICE ROBOTICS MARKET, BY HARDWARE, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 26 AERIAL ROBOTS: SERVICE ROBOTICS MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 27 AERIAL ROBOTS: SERVICE ROBOTICS MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

#### 7.2.1 COMMERCIAL DRONES

7.2.1.1 Growing use of commercial drones in aerial photography, inspection, and many other applications

TABLE 28 PROFESSIONAL AERIAL ROBOTS: SERVICE ROBOTICS MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 29 PROFESSIONAL AERIAL ROBOTS: SERVICE ROBOTICS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 30 PROFESSIONAL AERIAL ROBOTS: NORTH AMERICA SERVICE ROBOTICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 31 PROFESSIONAL AERIAL ROBOTS: NORTH AMERICA SERVICE ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 32 PROFESSIONAL AERIAL ROBOTS: EUROPE SERVICE ROBOTICS

MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 33 PROFESSIONAL AERIAL ROBOTS: EUROPE SERVICE ROBOTICS

MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 34 PROFESSIONAL AERIAL ROBOTS: ASIA PACIFIC SERVICE ROBOTICS

MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 35 PROFESSIONAL AERIAL ROBOTS: ASIA PACIFIC SERVICE ROBOTICS

MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 36 PROFESSIONAL AERIAL ROBOTS: ROW SERVICE ROBOTICS MARKET,  
BY REGION, 2019–2022 (USD MILLION)

TABLE 37 PROFESSIONAL AERIAL ROBOTS: ROW SERVICE ROBOTICS MARKET,  
BY REGION, 2023–2028 (USD MILLION)

### 7.2.2 CONSUMER DRONES

7.2.2.1 Rising use of consumer drones by individuals for entertainment

TABLE 38 PERSONAL & DOMESTIC AERIAL ROBOTS: SERVICE ROBOTICS  
MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 39 PERSONAL & DOMESTIC AERIAL ROBOTS: SERVICE ROBOTICS  
MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 40 PERSONAL & DOMESTIC AERIAL ROBOTS: NORTH AMERICA SERVICE  
ROBOTICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 41 PERSONAL & DOMESTIC AERIAL ROBOTS: NORTH AMERICA SERVICE  
ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 42 PERSONAL & DOMESTIC AERIAL ROBOTS: EUROPE SERVICE  
ROBOTICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 43 PERSONAL & DOMESTIC AERIAL ROBOTS: EUROPE SERVICE  
ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 44 PERSONAL & DOMESTIC AERIAL ROBOTS: ASIA PACIFIC SERVICE  
ROBOTICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 45 PERSONAL & DOMESTIC AERIAL ROBOTS: ASIA PACIFIC SERVICE  
ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 46 PERSONAL & DOMESTIC AERIAL ROBOTS: ROW SERVICE ROBOTICS  
MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 47 PERSONAL & DOMESTIC AERIAL ROBOTS: ROW SERVICE ROBOTICS  
MARKET, BY REGION, 2023–2028 (USD MILLION)

### 7.3 GROUND

TABLE 48 GROUND ROBOTS: SERVICE ROBOTICS MARKET, BY TYPE, 2019–2022  
(USD MILLION)

TABLE 49 GROUND ROBOTS: SERVICE ROBOTICS MARKET, BY TYPE, 2023–2028  
(USD MILLION)

TABLE 50 GROUND ROBOTS: SERVICE ROBOTICS MARKET, BY COMPONENT,

2019–2022 (USD MILLION)

TABLE 51 GROUND ROBOTS: SERVICE ROBOTICS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 52 GROUND ROBOTS: SERVICE ROBOTICS MARKET, BY HARDWARE, 2019–2022 (USD MILLION)

TABLE 53 GROUND ROBOTS: SERVICE ROBOTICS MARKET, BY HARDWARE, 2023–2028 (USD MILLION)

TABLE 54 GROUND ROBOTS: SERVICE ROBOTICS MARKET, BY ROBOT TYPE, 2019–2022 (USD MILLION)

TABLE 55 GROUND ROBOTS: SERVICE ROBOTICS MARKET, BY ROBOT TYPE, 2023–2028 (USD MILLION)

TABLE 56 GROUND ROBOTS: SERVICE ROBOTICS MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 57 GROUND ROBOTS: SERVICE ROBOTICS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 58 GROUND ROBOTS: NORTH AMERICA SERVICE ROBOTICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 59 GROUND ROBOTS: NORTH AMERICA SERVICE ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 60 GROUND ROBOTS: EUROPE SERVICE ROBOTICS MARKET, 2019–2022 (USD MILLION)

TABLE 61 GROUND ROBOTS: EUROPE SERVICE ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 62 GROUND ROBOTS: ASIA PACIFIC SERVICE ROBOTICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 63 GROUND ROBOTS: ASIA PACIFIC SERVICE ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 64 GROUND ROBOTS: ROW SERVICE ROBOTICS MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 65 GROUND ROBOTS: ROW SERVICE ROBOTICS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 66 PERSONAL & DOMESTIC GROUND ROBOTS: SERVICE ROBOTICS MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 67 PERSONAL & DOMESTIC GROUND ROBOTS: SERVICE ROBOTICS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 68 PERSONAL & DOMESTIC GROUND ROBOTS: NORTH AMERICA SERVICE ROBOTICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 69 PERSONAL & DOMESTIC GROUND ROBOTS: NORTH AMERICA SERVICE ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 70 PERSONAL & DOMESTIC GROUND ROBOTS: EUROPE SERVICE ROBOTICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 71 PERSONAL & DOMESTIC GROUND ROBOTS: EUROPE SERVICE ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 72 PERSONAL & DOMESTIC GROUND ROBOTS: ASIA PACIFIC SERVICE ROBOTICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 73 PERSONAL & DOMESTIC GROUND ROBOTS: ASIA PACIFIC SERVICE ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 74 PERSONAL & DOMESTIC GROUND ROBOTS: ROW SERVICE ROBOTICS MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 75 PERSONAL & DOMESTIC GROUND ROBOTS: ROW SERVICE ROBOTICS MARKET, BY REGION, 2023–2028 (USD MILLION)

#### 7.3.1 AUTOMATED GUIDED VEHICLES (AGVS)

TABLE 76 LIST OF COMPANIES PROVIDING AGVS

TABLE 77 AGVS: SERVICE ROBOTICS MARKET, BY VEHICLE TYPE, 2019–2022 (USD MILLION)

TABLE 78 AGVS: SERVICE ROBOTICS MARKET, BY VEHICLE TYPE, 2023–2028 (USD MILLION)

##### 7.3.1.1 Tow vehicles

7.3.1.1.1 Growing adoption of tow vehicles to move high loads using multiple trailers

##### 7.3.1.2 Unit load carriers

7.3.1.2.1 Increasing use of unit load carriers to move standard pallets, drums, carts, racks, rolls, and custom containers

##### 7.3.1.3 Pallet trucks

7.3.1.3.1 Growing use of pallet trucks to move palletized loads along predetermined route

##### 7.3.1.4 Forklift trucks

7.3.1.4.1 High benefits of forklift trucks—easy tracking of goods, just-in-time picking, and fewer operator hours

##### 7.3.1.5 Assembly line vehicles

7.3.1.5.1 Rising implementation of assembly line AGVs at production plants to increase efficiency

##### 7.3.1.6 Disinfection robots

7.3.1.6.1 Increased adoption of disinfection robots in healthcare domain

##### 7.3.1.7 Other

#### 7.3.2 CLEANING ROBOTS

TABLE 79 CLEANING ROBOTS: SERVICE ROBOTICS MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 80 CLEANING ROBOTS: SERVICE ROBOTICS MARKET, BY TYPE,



**2023–2028 (USD MILLION)****7.3.2.1 Vacuuming robots**

7.3.2.1.1 Rising demand for vacuuming robots attributed to adjustable suction power, scheduling mechanism, voice recognition, and smart navigation features

**TABLE 81 LIST OF COMPANIES OFFERING VACUUMING ROBOTS****7.3.2.2 Lawnmowers**

7.3.2.2.1 Integration of robotic lawnmowers with voice command, AI, and GPS on-board systems

**TABLE 82 LIST OF COMPANIES OFFERING LAWNMOWERS****7.3.2.3 Pool-cleaning robots**

7.3.2.3.1 Growing use of pool cleaning robots attributed to less operational costs

**TABLE 83 LIST OF COMPANIES OFFERING POOL-CLEANING ROBOTS****7.3.2.4 Window- and gutter-cleaning robots**

7.3.2.4.1 Rising demand for window-cleaning robots in developed countries due to presence of high-rise buildings

**TABLE 84 LIST OF COMPANIES OFFERING WINDOW- AND GUTTER-CLEANING ROBOTS****7.3.3 AGRICULTURAL ROBOTS****TABLE 85 LIST OF COMPANIES OFFERING AGRICULTURAL ROBOTS****TABLE 86 AGRICULTURAL ROBOTS: SERVICE ROBOTICS MARKET, BY ROBOT TYPE, 2019–2022 (USD MILLION)****TABLE 87 AGRICULTURAL ROBOTS: SERVICE ROBOTICS MARKET, BY ROBOT TYPE, 2023–2028 (USD MILLION)****7.3.3.1 Milking robots**

7.3.3.1.1 Commercialization of milking robots as voluntary milking systems

**7.3.3.2 Automated harvesting systems**

7.3.3.2.1 Rising automation of agricultural harvesting equipment

**7.3.4 SURGICAL ROBOTS****TABLE 88 LIST OF COMPANIES OFFERING SURGICAL ROBOTS****7.3.4.1 Laparoscopy robotic systems**

7.3.4.1.1 Higher stability than human hand, reduced number of incisions, and better visual magnification

**7.3.4.2 Orthopedic robotic systems**

7.3.4.2.1 Increasing number of orthopedic surgeries with rising prevalence of obesity and aging population

**7.3.4.3 Neurosurgical robotic systems**

7.3.4.3.1 Developments in robotic neurosurgeries

**7.3.5 ENTERTAINMENT AND LEISURE ROBOTS****TABLE 89 LIST OF COMPANIES OFFERING ENTERTAINMENT AND LEISURE**



## ROBOTS

TABLE 90 ENTERTAINMENT & LEISURE ROBOTS: SERVICE ROBOTICS MARKET, BY ROBOT TYPE, 2019–2022 (USD MILLION)

TABLE 91 ENTERTAINMENT & LEISURE ROBOTS: SERVICE ROBOTICS MARKET, BY ROBOT TYPE, 2023–2028 (USD MILLION)

### 7.3.5.1 Toy robots

7.3.5.1.1 Growing use of toy robots for entertainment and educational purposes

### 7.3.5.2 Hobby systems

7.3.5.2.1 Increasing use of hobby systems in sports

## 7.3.6 INSPECTION ROBOTS

7.3.6.1 Increased adoption of inspection robots in conditions hazardous for humans

TABLE 92 LIST OF COMPANIES OFFERING INSPECTION ROBOTS

## 7.3.7 HUMANOID ROBOTS

7.3.7.1 Introduction of advanced features in humanoid robots and growing use of humanoids as educational robots

TABLE 93 LIST OF COMPANIES OFFERING HUMANOID ROBOTS

TABLE 94 HUMANOID ROBOTS: SERVICE ROBOTICS MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 95 HUMANOID ROBOTS: SERVICE ROBOTICS MARKET, BY TYPE, 2023–2028 (USD MILLION)

## 7.3.8 POWERED EXOSKELETONS

7.3.8.1 Rising applications of powered exoskeletons in industrial, medical, military, and construction verticals

TABLE 96 LIST OF COMPANIES OFFERING POWERED EXOSKELETONS

## 7.3.9 TELEPRESENCE ROBOTS

7.3.9.1 Increasing deployment of telepresence robots in healthcare and corporate sectors

TABLE 97 LIST OF COMPANIES OFFERING TELEPRESENCE ROBOTS

TABLE 98 TELEPRESENCE ROBOTS: SERVICE ROBOTICS MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 99 TELEPRESENCE ROBOTS: SERVICE ROBOTICS MARKET, BY TYPE, 2023–2028 (USD MILLION)

## 7.3.10 OTHERS

## 7.4 MARINE

TABLE 100 MARINE ROBOTS: SERVICE ROBOTICS MARKET, BY ROBOT TYPE, 2019–2022 (USD MILLION)

TABLE 101 MARINE ROBOTS: SERVICE ROBOTICS MARKET, BY ROBOT TYPE, 2023–2028 (USD MILLION)

TABLE 102 MARINE ROBOTS: SERVICE ROBOTICS MARKET, BY TYPE, 2019–2022

(USD MILLION)

TABLE 103 MARINE ROBOTS: SERVICE ROBOTICS MARKET, BY TYPE, 2023–2028

(USD MILLION)

TABLE 104 MARINE ROBOTS: SERVICE ROBOTICS MARKET, BY COMPONENT, 2019–2022 (USD MILLION)

TABLE 105 MARINE ROBOTS: SERVICE ROBOTICS MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 106 MARINE ROBOTS: SERVICE ROBOTICS MARKET, BY HARDWARE, 2019–2022 (USD MILLION)

TABLE 107 MARINE ROBOTS: SERVICE ROBOTICS MARKET, BY HARDWARE, 2023–2028 (USD MILLION)

TABLE 108 MARINE ROBOTS: SERVICE ROBOTICS MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 109 MARINE ROBOTS: SERVICE ROBOTICS MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 110 MARINE ROBOTS: NORTH AMERICA SERVICE ROBOTICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 111 MARINE ROBOTS: NORTH AMERICA SERVICE ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 112 MARINE ROBOTS: EUROPE SERVICE ROBOTICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 113 MARINE ROBOTS: EUROPE SERVICE ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 114 MARINE ROBOTS: ASIA PACIFIC SERVICE ROBOTICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 115 MARINE ROBOTS: ASIA PACIFIC SERVICE ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 116 MARINE ROBOTS: ROW SERVICE ROBOTICS MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 117 MARINE ROBOTS: ROW SERVICE ROBOTICS MARKET, BY REGION, 2023–2028 (USD MILLION)

#### 7.4.1 UNMANNED SURFACE VEHICLES (USVS)

7.4.1.1 Rising use of unmanned surface vehicles (USVs) in defense, oceanography, surveillance, and search and rescue operations

TABLE 118 USVS: SERVICE ROBOTICS MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 119 USVS: SERVICE ROBOTICS MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 120 LIST OF COMPANIES OFFERING USVS

## 7.4.2 AUTONOMOUS UNDERWATER VEHICLES (AUVS)

7.4.2.1 Deployment of autonomous underwater vehicles (AUVs) to collect oceanographic and geologic information

TABLE 121 AUVS: SERVICE ROBOTICS MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 122 AUVS: SERVICE ROBOTICS MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 123 LIST OF COMPANIES OFFERING AUVS

## 7.4.3 REMOTELY OPERATED VEHICLES (ROVS)

7.4.3.1 Increasing adoption of remotely operated vehicles (ROVs) in oil and gas explorations, pipeline inspections, and vessel hull inspections

TABLE 124 ROVS: SERVICE ROBOTICS MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 125 ROVS: SERVICE ROBOTICS MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 126 LIST OF COMPANIES OFFERING ROVS

## 8 SERVICE ROBOTICS MARKET, BY TYPE

### 8.1 INTRODUCTION

FIGURE 35 PERSONAL & DOMESTIC SEGMENT TO REGISTER HIGHER CAGR DURING FORECAST PERIOD

TABLE 127 SERVICE ROBOTICS MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 128 SERVICE ROBOTICS MARKET, BY TYPE, 2023–2028 (USD MILLION)

### 8.2 PROFESSIONAL

8.2.1 RISING ADOPTION OF AI-BASED HUMANOID ROBOTS IN RETAIL, EDUCATION, AND HOSPITALITY INDUSTRIES

TABLE 129 PROFESSIONAL ROBOTS: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 130 PROFESSIONAL ROBOTS: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

### 8.3 PERSONAL AND DOMESTIC

8.3.1 DEVELOPMENTS IN PERSONAL ASSISTANCE AND ELDERLY CARE ROBOTS

TABLE 131 PERSONAL & DOMESTIC ROBOTS: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 132 PERSONAL & DOMESTIC ROBOTS: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

## 9 SERVICE ROBOTICS MARKET, BY APPLICATION

### 9.1 INTRODUCTION

FIGURE 36 RESEARCH AND SPACE EXPLORATION SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

TABLE 133 SERVICE ROBOTICS MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 134 SERVICE ROBOTICS MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

### 9.2 DOMESTIC

TABLE 135 DOMESTIC: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 136 DOMESTIC: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

#### 9.2.1 FLOOR CLEANING

9.2.1.1 Development of floor cleaning robots equipped with Wi-Fi connectivity, HEPA filter, real-time floor mapping, and automated recharging and waste disposal features

#### 9.2.2 LAWN MOWING

9.2.2.1 Incorporation of rain sensors, self-docking capability, and proximity sensors into lawnmowing robots

#### 9.2.3 POOL CLEANING

9.2.3.1 Integration of laser sensors into pool-cleaning robots to detect walls and obstacles

#### 9.2.4 OTHERS

### 9.3 MEDICAL

TABLE 137 MEDICAL: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 138 MEDICAL: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

#### 9.3.1 SURGERY ASSISTANCE

9.3.1.1 Growing preference for surgery assistance by robots to perform minimally invasive surgeries in less time

#### 9.3.2 HANDICAP ASSISTANCE

9.3.2.1 Inclusion of handicap assistive robots in various insurance policies

#### 9.3.3 OTHERS

### 9.4 FIELD

TABLE 139 FIELD: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 140 FIELD: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028

(USD MILLION)

#### 9.4.1 HARVEST MANAGEMENT

9.4.1.1 Use of harvest management robots to tackle labor shortage and high wage issues

#### 9.4.2 FIELD FARMING

9.4.2.1 Use of field farming robots to maintain crops without requirement for driving vehicles in large fields

9.4.2.1.1 Crop monitoring

9.4.2.1.2 Plant scouting

9.4.2.1.3 Crop scouting

#### 9.4.3 DAIRY & LIVESTOCK MANAGEMENT

9.4.3.1 Growing preference for drones and milking robots in dairy and livestock management

#### 9.4.4 OTHERS

### 9.5 DEFENSE, RESCUE, AND SECURITY

TABLE 141 DEFENSE, RESCUE, AND SECURITY: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 142 DEFENSE, RESCUE, AND SECURITY: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

#### 9.5.1 DEMINING

9.5.1.1 Use of demining robots to improve personnel safety

#### 9.5.2 FIREFIGHTING AND BOMB DISPOSAL

9.5.2.1 Rising adoption of firefighting robots to handle fires from closer distances

#### 9.5.3 BORDER SECURITY & SURVEILLANCE

9.5.3.1 Rising geopolitical instabilities and territorial conflicts worldwide

#### 9.5.4 OTHERS

### 9.6 ENTERTAINMENT, EDUCATION, AND PERSONAL

TABLE 143 ENTERTAINMENT, EDUCATION, AND PERSONAL: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 144 ENTERTAINMENT, EDUCATION, AND PERSONAL: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

#### 9.6.1 ENTERTAINMENT

9.6.1.1 Use of entertainment robots to entertain guests during events

#### 9.6.2 EDUCATION

9.6.2.1 Use of educational robots to experiment with robotics technology without requirement for professional expertise in robotics

#### 9.6.3 COMPANIONSHIP AND ELDERLY ASSISTANCE

9.6.3.1 Growing use of assistance robots with increasing geriatric population worldwide

## 9.7 PUBLIC RELATIONS

### 9.7.1 USE OF ROBOTS FOR ROOM SERVICE, SECURITY AND LAW ENFORCEMENT, AND MOBILE GUIDANCE

TABLE 145 PUBLIC RELATIONS: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 146 PUBLIC RELATIONS: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

## 9.8 INSPECTION AND MAINTENANCE

TABLE 147 INSPECTION AND MAINTENANCE: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 148 INSPECTION AND MAINTENANCE: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

### 9.8.1 PIPE/PIPELINE INSPECTION

9.8.1.1 Use of pipeline inspection robots to measure thickness and diameter of pipes and welding pipes during maintenance

### 9.8.2 POWER PLANT INSPECTION

9.8.2.1 Use of robots to detect and reduce power leakage from turbines, generators, pressure lines, and boilers

### 9.8.3 INSPECTION OF ENERGIZED TRANSMISSION LINES

9.8.3.1 Use of service robots to conduct regular power line inspections

### 9.8.4 OTHERS

## 9.9 LOGISTICS

TABLE 149 LOGISTICS: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 150 LOGISTICS: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

### 9.9.1 WAREHOUSE AUTOMATION

9.9.1.1 Use of automated guided vehicles (AGVs) in warehouses for just-in-time delivery of raw materials, computerized control of received assembled parts, and tracking of shipped articles

### 9.9.2 LAST-MILE DELIVERY

9.9.2.1 Use of robots for low-cost last-mile deliveries

## 9.10 CONSTRUCTION AND DEMOLITION

### 9.10.1 INCREASED USE OF CONSTRUCTION AND DEMOLITION ROBOTS TO REDUCE LABOR COSTS AND INCREASE RETURNS ON INVESTMENT

TABLE 151 CONSTRUCTION AND DEMOLITION: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 152 CONSTRUCTION AND DEMOLITION: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)



## 9.11 MARINE

TABLE 153 MARINE: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 154 MARINE: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

### 9.11.1 OCEANOGRAPHY

9.11.1.1 Increasing use of AUVs to study marine life and ecosystem

### 9.11.2 ENVIRONMENTAL PROTECTION AND MONITORING

9.11.2.1 Rising adoption of robots in wastewater purification and study of remote volcanoes

### 9.11.3 ARCHAEOLOGICAL EXPLORATION

9.11.3.1 Growing use of robots in archaeological exploration of hazardous sites

### 9.11.4 OTHERS

## 9.12 RESEARCH AND SPACE EXPLORATION

### 9.12.1 INCREASED DEMAND FOR SPACE EXPLORATION ROBOTS

TABLE 155 RESEARCH AND SPACE EXPLORATION: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 156 RESEARCH AND SPACE EXPLORATION: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

## 10 SERVICE ROBOTICS MARKET, BY REGION

### 10.1 INTRODUCTION

FIGURE 37 ASIA PACIFIC SERVICE ROBOTICS MARKET TO GROW AT SIGNIFICANT RATE DURING FORECAST PERIOD

TABLE 157 SERVICE ROBOTICS MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 158 SERVICE ROBOTICS MARKET, BY REGION, 2023–2028 (USD MILLION)

### 10.2 NORTH AMERICA

TABLE 159 LIST OF SERVICE ROBOTICS COMPANIES IN NORTH AMERICA

FIGURE 38 NORTH AMERICA: SNAPSHOT OF SERVICE ROBOTICS MARKET

TABLE 160 NORTH AMERICA: SERVICE ROBOTICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 161 NORTH AMERICA: SERVICE ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 162 NORTH AMERICA: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 163 NORTH AMERICA: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

TABLE 164 NORTH AMERICA: SERVICE ROBOTICS MARKET, BY TYPE, 2019–2022



(USD MILLION)

TABLE 165 NORTH AMERICA: SERVICE ROBOTICS MARKET, BY TYPE, 2023–2028

(USD MILLION)

TABLE 166 US: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022

(USD MILLION)

TABLE 167 US: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028

(USD MILLION)

TABLE 168 CANADA: SERVICE ROBOTICS MARKET, BY ENVIRONMENT,  
2019–2022 (USD MILLION)

TABLE 169 CANADA: SERVICE ROBOTICS MARKET, BY ENVIRONMENT,  
2023–2028 (USD MILLION)

TABLE 170 MEXICO: SERVICE ROBOTICS MARKET, BY ENVIRONMENT,  
2019–2022 (USD MILLION)

TABLE 171 MEXICO: SERVICE ROBOTICS MARKET, BY ENVIRONMENT,  
2023–2028 (USD MILLION)

#### 10.2.1 US

10.2.1.1 Growing aging population

#### 10.2.2 CANADA

10.2.2.1 Development of innovative service robots by start-ups

#### 10.2.3 MEXICO

10.2.3.1 Rising use of commercial drones in agricultural applications

### 10.3 EUROPE

TABLE 172 LIST OF SERVICE ROBOTICS COMPANIES IN EUROPE

FIGURE 39 EUROPE: SNAPSHOT OF SERVICE ROBOTICS MARKET

TABLE 173 EUROPE: SERVICE ROBOTICS MARKET, BY COUNTRY, 2019–2022  
(USD MILLION)

TABLE 174 EUROPE: SERVICE ROBOTICS MARKET, BY COUNTRY, 2023–2028  
(USD MILLION)

TABLE 175 EUROPE: SERVICE ROBOTICS MARKET, BY ENVIRONMENT,  
2019–2022 (USD MILLION)

TABLE 176 EUROPE: SERVICE ROBOTICS MARKET, BY ENVIRONMENT,  
2023–2028 (USD MILLION)

TABLE 177 EUROPE: SERVICE ROBOTICS MARKET, BY TYPE, 2019–2022 (USD  
MILLION)

TABLE 178 EUROPE: SERVICE ROBOTICS MARKET, BY TYPE, 2023–2028 (USD  
MILLION)

TABLE 179 UK: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022  
(USD MILLION)

TABLE 180 UK: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028

(USD MILLION)

TABLE 181 GERMANY: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 182 GERMANY: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

TABLE 183 FRANCE: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 184 FRANCE: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

TABLE 185 REST OF EUROPE: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 186 REST OF EUROPE: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

#### 10.3.1 GERMANY

10.3.1.1 Expanding food & beverage, retail, and postal industries

#### 10.3.2 FRANCE

10.3.2.1 Rising aging population and surging demand for assistive robots

#### 10.3.3 UK

10.3.3.1 Government-led funding for development of assistive robots

#### 10.3.4 REST OF EUROPE

### 10.4 ASIA PACIFIC

TABLE 187 LIST OF SERVICE ROBOTICS COMPANIES IN ASIA PACIFIC

FIGURE 40 ASIA PACIFIC: SERVICE ROBOTICS MARKET SNAPSHOT

TABLE 188 ASIA PACIFIC: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 189 ASIA PACIFIC: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

TABLE 190 ASIA PACIFIC: SERVICE ROBOTICS MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 191 ASIA PACIFIC: SERVICE ROBOTICS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 192 ASIA PACIFIC: SERVICE ROBOTICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 193 ASIA PACIFIC: SERVICE ROBOTICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

#### 10.4.1 CHINA

10.4.1.1 Growing demand for personal and domestic robots

TABLE 194 CHINA: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 195 CHINA: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

10.4.2 SOUTH KOREA

10.4.2.1 Implementation of service robotics for public relations applications

TABLE 196 SOUTH KOREA: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 197 SOUTH KOREA: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

10.4.3 JAPAN

10.4.3.1 Support from government and corporate sectors to increase adoption of service robots

TABLE 198 JAPAN: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 199 JAPAN: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

10.4.4 INDIA

10.4.4.1 Increasing research and space exploration activities

TABLE 200 INDIA: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 201 INDIA: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

10.4.5 REST OF ASIA PACIFIC

TABLE 202 REST OF ASIA PACIFIC: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 203 REST OF ASIA PACIFIC: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

10.5 ROW

TABLE 204 LIST OF SERVICE ROBOTICS COMPANIES IN ROW

TABLE 205 ROW: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 206 ROW: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

TABLE 207 ROW: SERVICE ROBOTICS MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 208 ROW: SERVICE ROBOTICS MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 209 ROW: SERVICE ROBOTICS MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 210 ROW: SERVICE ROBOTICS MARKET, BY REGION, 2023–2028 (USD

MILLION)

#### 10.5.1 MIDDLE EAST & AFRICA

10.5.1.1 Rising use of drones in field applications

TABLE 211 MIDDLE EAST & AFRICA: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 212 MIDDLE EAST & AFRICA: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

#### 10.5.2 SOUTH AMERICA

10.5.2.1 Growing demand for robots in healthcare sector

TABLE 213 SOUTH AMERICA: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2019–2022 (USD MILLION)

TABLE 214 SOUTH AMERICA: SERVICE ROBOTICS MARKET, BY ENVIRONMENT, 2023–2028 (USD MILLION)

## 11 COMPETITIVE LANDSCAPE

### 11.1 INTRODUCTION

### 11.2 KEY STRATEGIES ADOPTED BY MAJOR MARKET PLAYERS/MARKET EVALUATION FRAMEWORK

TABLE 215 OVERVIEW OF STRATEGIES DEPLOYED BY KEY PLAYERS IN SERVICE ROBOTICS MARKET

### 11.3 MARKET SHARE ANALYSIS, 2021

TABLE 216 SERVICE ROBOTICS MARKET: DEGREE OF COMPETITION, 2021

### 11.4 FIVE-YEAR COMPANY REVENUE ANALYSIS

FIGURE 41 FIVE-YEAR REVENUE ANALYSIS OF TOP THREE PLAYERS IN SERVICE ROBOTICS MARKET, 2017–2021

### 11.5 KEY COMPANY EVALUATION QUADRANT, 2022

#### 11.5.1 STARS

#### 11.5.2 EMERGING LEADERS

#### 11.5.3 PERVASIVE PLAYERS

#### 11.5.4 PARTICIPANTS

FIGURE 42 SERVICE ROBOTICS MARKET: KEY COMPANY EVALUATION QUADRANT, 2022

#### 11.5.5 COMPETITIVE BENCHMARKING OF COMPANIES

TABLE 217 COMPANY FOOTPRINT

TABLE 218 COMPANY ENVIRONMENT FOOTPRINT

TABLE 219 COMPANY TYPE FOOTPRINT

TABLE 220 COMPANY REGIONAL FOOTPRINT

### 11.6 START-UPS/SMES EVALUATION QUADRANT, 2022

11.6.1 PROGRESSIVE COMPANIES

11.6.2 RESPONSIVE COMPANIES

11.6.3 DYNAMIC COMPANIES

11.6.4 STARTING BLOCKS

FIGURE 43 START-UPS/SMES EVALUATION QUADRANT, 2022

11.7 COMPETITIVE SCENARIOS AND TRENDS

11.7.1 PRODUCT LAUNCHES

TABLE 221 SERVICE ROBOTICS MARKET: PRODUCT LAUNCHES, 2020–2022

11.7.2 DEALS

TABLE 222 SERVICE ROBOTICS MARKET: DEALS, 2020–2022

## **12 COMPANY PROFILES**

12.1 KEY PLAYERS

(Business overview, Products/Services/Solutions offered, Recent Developments, MNM view)\*

12.1.1 IROBOT

TABLE 223 IROBOT: COMPANY OVERVIEW

FIGURE 44 IROBOT: COMPANY SNAPSHOT

12.1.2 INTUITIVE SURGICAL

TABLE 224 INTUITIVE SURGICAL: COMPANY OVERVIEW

FIGURE 45 INTUITIVE SURGICAL: COMPANY SNAPSHOT

12.1.3 SAMSUNG ELECTRONICS CO., LTD.

TABLE 225 SAMSUNG ELECTRONICS: COMPANY OVERVIEW

FIGURE 46 SAMSUNG ELECTRONICS: COMPANY SNAPSHOT

12.1.4 DAIFUKU

TABLE 226 DAIFUKU: COMPANY OVERVIEW

FIGURE 47 DAIFUKU: COMPANY SNAPSHOT

12.1.5 JD.COM, INC.

TABLE 227 JD.COM: COMPANY OVERVIEW

FIGURE 48 JD.COM: COMPANY SNAPSHOT

12.1.6 DJI

TABLE 228 DJI: COMPANY OVERVIEW

12.1.7 KONGSBERG MARITIME

TABLE 229 KONGSBERG MARITIME: COMPANY OVERVIEW

FIGURE 49 KONGSBERG MARITIME: COMPANY SNAPSHOT

12.1.8 NORTHROP GRUMMAN

TABLE 230 NORTHROP GRUMMAN: COMPANY OVERVIEW

FIGURE 50 NORTHROP GRUMMAN: COMPANY SNAPSHOT

### 12.1.9 SOFTBANK ROBOTICS GROUP

#### TABLE 231 SOFTBANK ROBOTICS GROUP: COMPANY OVERVIEW

### 12.1.10 DELAVAL

#### TABLE 232 DELAVAL: COMPANY OVERVIEW

## 12.2 OTHER PLAYERS

### 12.2.1 KUKA AG

### 12.2.2 STRYKER CORPORATION

### 12.2.3 PARROT SA

### 12.2.4 GENERAL ELECTRIC

### 12.2.5 LG ELECTRONICS

### 12.2.6 HARVEST CROO

### 12.2.7 STARSHIP TECHNOLOGIES

### 12.2.8 3DR

### 12.2.9 LELY

### 12.2.10 DILIGENT ROBOTICS

### 12.2.11 AMP ROBOTICS

### 12.2.12 UVD ROBOTS (BY BLUE OCEAN ROBOTICS)

### 12.2.13 XAG CO., LTD.

### 12.2.14 EXYN TECHNOLOGIES

### 12.2.15 ROBOTIS CO., LTD.

\*Details on Business overview, Products/Services/Solutions offered, Recent Developments, MNM view might not be captured in case of unlisted companies.

## 13 APPENDIX

### 13.1 DISCUSSION GUIDE

### 13.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

### 13.3 CUSTOMIZATION OPTIONS

### 13.4 RELATED REPORTS

### 13.5 AUTHOR DETAILS

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