

# **Unattended Ground Sensors (UGS) Market by Sensor Type (Seismic, Acoustic, Magnetic, and Infrared), Deployment (Hand-Emplaced, and Air-Delivered), End-User (Security, and Critical Infrastructure), and Region - Global Forecast to 2022**

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## **Abstracts**

“The unattended ground sensors market is projected to grow at a CAGR of 4.71% from 2017 to 2022”

The unattended ground sensors market is projected to grow from USD 363.8 million in 2017 to USD 457.9 million by 2022, at a CAGR of 4.71% from 2017 to 2022. The changing nature of warfare and rise in the terrorism, geopolitical issues, and insurgencies across countries in the world are key factors driving the growth of the unattended ground sensors market. However, operational issues such as false alarms and power management are projected to hinder the market growth. In addition, susceptibility of sensor networks to cyber-attacks acts as a key challenge to the growth of the market. On the other hand, factors such as the need for enhanced situational awareness, advances in Digital Signal Processing (DSP) and wireless sensor networks, and rise in incidences of border trespassing coupled with the upgrade of the existing border security infrastructure offer key growth opportunities to manufacturers of unattended ground sensors.

“The infrared segment is expected to grow at a high rate from 2017 to 2022”

Infrared sensors are designed to alert users regarding an intruder’s presence through transmission of an infrared light beam across the zone. An infrared sensor measures the heat being emitted as well as notices the motion of the object. It also detects the electromagnetic radiated energy generated by sources that produce temperatures

below that of visible light. These sensors basically measure the change in thermal radiation. The image obtained through these sensors is vital in identifying the significance of threat in military as well as commercial applications and so these are currently widely adopted. Hence, the infrared segment is expected to grow at a high rate during the forecast period.

“Security is estimated to lead the unattended ground sensors market”

The security segment covers both the military as well as the public security. The unattended ground sensors were initially used in military sector and later was adopted in the critical infrastructure sector. Owing to the increasing instances of border trespassing in regions such as North America and Asia Pacific, the security segment is estimated to lead the unattended ground sensors market.

“North America is the largest market for unattended ground sensors”

North America is currently the largest market for unattended ground sensors, followed by Europe and Asia Pacific. The growth in North America is primarily driven by the US and Canada. The major application areas of unattended ground sensors in the US is border protection. Both, the US and Canada are technologically superior countries, with a huge potential to invest in UGS sensors, wireless sensor network, and related equipment, which, in turn, will drive the unattended ground sensors market in the North American region.

Breakdown of Primaries:

In-depth interviews were conducted with various key industry participants, subject matter experts, C-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information, as well as to assess market prospects. The distribution of primary interviews is as follows:

By Company Type: Tier 1 - 30%, Tier 2 - 35%, and Tier 3 - 35%

By Designation: C-Level - 32%, D-Level - 38%, Engineer-Level - 30%

By Region: Asia Pacific - 27%, Europe - 18%, North America - 46%, Rest of the World - 9%

The tier of the companies has been defined on the basis of their total revenue, as of 2015: Tier 1 = %%% USD 1 billion, Tier 2 = From USD 100 million to USD 1 billion, and Tier 3 = %%% USD 100 million

#### Research Coverage:

The research report categorizes the unattended ground sensors market on the basis of sensor type (Seismic, Acoustic, Magnetic, and Infrared), deployment (hand-emplaced and air-delivered), and end-user (security and critical infrastructure). The security segmented is further classified into military & public security. The critical infrastructure segment is further segmented into utilities and industrial & commercial facilities. These segments and subsegments were mapped across major regions, namely, North America, Europe, Asia Pacific, and Rest of the World.

#### Reasons to buy the report:

From an insight perspective, this research report has focused on various levels of analysis, such as, industry analysis (industry trends), market ranking of top players, and company profiles, which together comprises and discuss the basic views on the competitive landscape; emerging and high-growth segments of the unattended ground sensors market; high-growth regions; and market drivers, restraints, and opportunities.

#### The report provides insights on the following pointers:

**Market Penetration:** Comprehensive information on products and integrated solutions and services offered by top players in the global unattended ground sensors market

**Product Development/Innovation:** Detailed insights on upcoming technologies, research & development activities, and new product launches in the unattended ground sensors market

**Market Development:** Comprehensive information about lucrative emerging markets- the report analyzes the markets for unattended ground sensors across regions

**Market Diversification:** Exhaustive information about new products, untapped regions, recent developments, and investments in the global unattended ground sensors market

**Competitive Assessment:** In depth analysis of all the key players, strategies, products, and manufacturing capabilities of the leading players in the global unattended ground sensors market

**Market Sizing:** Market size for the financial year 2015-2016 and projection of the market size from 2017 to 2022

## Contents

### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
  - 1.3.1 MARKETS COVERED
  - 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 MARKET STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
  - 2.1.1 SECONDARY DATA
    - 2.1.1.1 Secondary sources
  - 2.1.2 PRIMARY DATA
    - 2.1.2.1 Primary sources
    - 2.1.2.2 Breakdown of primaries
- 2.2 SUPPLY-SIDE & DEMAND-SIDE INDICATORS
  - 2.2.1 INTRODUCTION
  - 2.2.2 DEMAND-SIDE INDICATORS
    - 2.2.2.1 Increase in defense spending
  - 2.2.3 SUPPLY-SIDE INDICATORS
    - 2.2.3.1 Technological advancements in sensors
- 2.3 MARKET SIZE ESTIMATION
  - 2.3.1 BOTTOM-UP APPROACH
  - 2.3.2 TOP-DOWN APPROACH
- 2.4 MARKET BREAKDOWN & DATA TRIANGULATION
- 2.5 RESEARCH ASSUMPTIONS

### 3 EXECUTIVE SUMMARY

### 4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN THE UNATTENDED GROUND SENSORS MARKET

4.2 ASIA PACIFIC UNATTENDED GROUND SENSORS MARKET, BY SENSOR TYPE AND COUNTRY

4.3 UNATTENDED GROUND SENSORS MARKET, BY DEPLOYMENT

4.4 UNATTENDED GROUND SENSORS MARKET, BY REGION

4.5 UNATTENDED GROUND SENSORS MARKET, BY END USER

## **5 MARKET OVERVIEW**

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Changing nature of warfare

5.2.1.2 Terrorism, geopolitical issues, and rising insurgencies in nations

5.2.2 RESTRAINTS

5.2.2.1 Operational issues associated with UGS

5.2.3 OPPORTUNITIES

5.2.3.1 Growing need for enhanced situational awareness

5.2.3.2 Rising incidences of border trespassing

5.2.4 CHALLENGES

5.2.4.1 Susceptibility of sensor networks to cyberattacks

## **6 INDUSTRY TRENDS**

6.1 INTRODUCTION

6.2 UGS & FUTURE COMBAT SYSTEMS

6.2.1 TACTICAL-UNATTENDED GROUND SENSORS (T-UGS)

6.2.2 URBAN-UNATTENDED GROUND SENSORS (U-UGS)

6.2.3 DISSOLUTION OF FCS

6.3 RELEVANT TECHNOLOGY TRENDS

6.3.1 UGS DESIGN WITH HIGH-DENSITY FPGA

6.3.2 CONVERGENCE OF CYBER OPERATIONS AND ELECTRONIC WARFARE ON THE BATTLEFIELD

6.3.3 PLUG-AND-PLAY UGS

6.3.4 UGS ALGORITHM

6.4 PORTER'S FIVE FORCES ANALYSIS

6.4.1 THREAT OF NEW ENTRANTS

6.4.1.1 Requirement of huge investment

6.4.1.2 Policy, regulatory, and legal obstacles

6.4.1.3 Information shared with suppliers and manufacturers is highly sensitive

## 6.4.2 THREAT OF SUBSTITUTES

6.4.2.1 Unavailability of substitutes

## 6.4.3 BARGAINING POWER OF SUPPLIERS

6.4.3.1 High switching cost

6.4.3.2 Requirement of customized components and parts

## 6.4.4 BARGAINING POWER OF BUYERS

6.4.4.1 High level of product differentiation

6.4.4.2 High switching cost

6.4.4.3 Difficulty in switching suppliers

## 6.4.5 INTENSITY OF COMPETITIVE RIVALRY

6.4.5.1 Limited number of firms

## 6.5 INNOVATIONS & PATENT REGISTRATIONS

## 7 UNATTENDED GROUND SENSORS MARKET, BY SENSOR TYPE

### 7.1 INTRODUCTION

### 7.2 SEISMIC

### 7.3 ACOUSTIC

### 7.4 MAGNETIC

### 7.5 INFRARED

## 8 UNATTENDED GROUND SENSORS MARKET, BY DEPLOYMENT

### 8.1 INTRODUCTION

### 8.2 AIR-DELIVERED

### 8.3 HAND-EMPLACED

## 9 UNATTENDED GROUND SENSORS MARKET, BY END USER

### 9.1 INTRODUCTION

### 9.2 SECURITY

9.2.1 MILITARY

9.2.2 PUBLIC SECURITY

### 9.3 CRITICAL INFRASTRUCTURE

9.3.1 UTILITIES

9.3.2 INDUSTRIAL & COMMERCIAL FACILITIES

## 10 UNATTENDED GROUND SENSORS MARKET, BY REGION

## 10.1 INTRODUCTION

## 10.2 NORTH AMERICA

### 10.2.1 US

### 10.2.2 CANADA

### 10.2.3 MEXICO

## 10.3 EUROPE

### 10.3.1 RUSSIA

### 10.3.2 UK

### 10.3.3 FRANCE

### 10.3.4 GERMANY

### 10.3.5 REST OF EUROPE

## 10.4 ASIA PACIFIC

### 10.4.1 CHINA

### 10.4.2 INDIA

### 10.4.3 JAPAN

### 10.4.4 REST OF ASIA PACIFIC

## 10.5 REST OF THE WORLD (ROW)

## 11 COMPANY PROFILES

(Overview, Products and Services, Financials, Strategy & Development)\*

### 11.1 MARKET RANK ANALYSIS, 2016

### 11.2 TEXTRON

### 11.3 NORTHROP GRUMMAN

### 11.4 THALES

### 11.5 LOCKHEED MARTIN

### 11.6 RAYTHEON

### 11.7 ELBIT SYSTEMS

### 11.8 LEONARDO

### 11.9 APPLIED RESEARCH ASSOCIATES (ARA)

### 11.10 HARRIS CORPORATION

### 11.11 L3 TECHNOLOGIES

### 11.12 DOMO TACTICAL COMMUNICATIONS (DTC)

### 11.13 MCQ

\*Details on Overview, Products and Services, Financials, Strategy & Development might not be Captured in case of Unlisted Companies

## 12 APPENDIX



12.1 INSIGHTS OF INDUSTRY EXPERTS

12.2 DISCUSSION GUIDE

12.3 KNOWLEDGE STORE: MARKETSDANDMARKETS' SUBSCRIPTION PORTAL

12.4 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

12.5 AVAILABLE CUSTOMIZATIONS

12.6 RELATED REPORTS

12.7 AUTHOR DETAILS

## List Of Tables

### LIST OF TABLES

TABLE 1 LIST OF ONGOING GEOPOLITICAL ISSUES AND CONFLICTS

TABLE 2 INNOVATIONS & PATENT REGISTRATIONS

TABLE 3 UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 4 SEISMIC: UNATTENDED GROUND SENSORS MARKET SIZE, BY REGION, 2015?2022 (USD MILLION)

TABLE 5 SEISMIC: UNATTENDED GROUND SENSORS MARKET SIZE, BY END USER, 2015?2022 (USD MILLION)

TABLE 6 ACOUSTIC: UNATTENDED GROUND SENSORS MARKET SIZE, BY REGION, 2015?2022 (USD MILLION)

TABLE 7 ACOUSTIC: UNATTENDED GROUND SENSORS MARKET SIZE, BY END USER, 2015?2022 (USD MILLION)

TABLE 8 MAGNETIC: UNATTENDED GROUND SENSORS MARKET SIZE, BY REGION, 2015?2022 (USD MILLION)

TABLE 9 MAGNETIC: UNATTENDED GROUND SENSORS MARKET SIZE, BY END USER, 2015?2022 (USD MILLION)

TABLE 10 INFRARED: UNATTENDED GROUND SENSORS MARKET SIZE, BY REGION, 2015?2022 (USD MILLION)

TABLE 11 INFRARED: UNATTENDED GROUND SENSORS MARKET SIZE, BY END USER, 2015?2022 (USD MILLION)

TABLE 12 UNATTENDED GROUND SENSORS MARKET SIZE, BY DEPLOYMENT, 2015-2022 (USD MILLION)

TABLE 13 AIR DELIVERED: UNATTENDED GROUND SENSORS MARKET SIZE, BY REGION, 2015?2022 (USD MILLION)

TABLE 14 HAND EMPLACED: UNATTENDED GROUND SENSORS MARKET SIZE, BY REGION, 2015?2022 (USD MILLION)

TABLE 15 UNATTENDED GROUND SENSORS MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

TABLE 16 SECURITY: UNATTENDED GROUND SENSORS MARKET SIZE, BY REGION, 2015?2022 (USD MILLION)

TABLE 17 SECURITY: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015?2022 (USD MILLION)

TABLE 18 SECURITY: UNATTENDED GROUND SENSORS MARKET SIZE, BY APPLICATION, 2015?2022 (USD MILLION)

TABLE 19 MILITARY: UNATTENDED GROUND SENSORS MARKET SIZE, BY

REGION, 2015?2022 (USD MILLION)

TABLE 20 PUBLIC SECURITY: UNATTENDED GROUND SENSORS MARKET SIZE, BY REGION, 2015?2022 (USD MILLION)

TABLE 21 CRITICAL INFRASTRUCTURE: UNATTENDED GROUND SENSORS MARKET SIZE, BY REGION, 2015?2022 (USD MILLION)

TABLE 22 CRITICAL INFRASTRUCTURE: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015?2022 (USD MILLION)

TABLE 23 CRITICAL INFRASTRUCTURE: UNATTENDED GROUND SENSORS MARKET SIZE, BY APPLICATION, 2015?2022 (USD MILLION)

TABLE 24 UTILITIES: UNATTENDED GROUND SENSORS MARKET SIZE, BY REGION, 2015?2022 (USD MILLION)

TABLE 25 INDUSTRIAL & COMMERCIAL FACILITIES: UNATTENDED GROUND SENSORS MARKET SIZE, BY REGION, 2015?2022 (USD MILLION)

TABLE 26 UNATTENDED GROUND SENSORS MARKET SIZE, BY REGION, 2015-2022 (USD MILLION)

TABLE 27 NORTH AMERICA: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 28 NORTH AMERICA: UNATTENDED GROUND SENSORS MARKET SIZE, BY DEPLOYMENT, 2015?2022 (USD MILLION)

TABLE 29 NORTH AMERICA: UNATTENDED GROUND SENSORS MARKET SIZE, BY END USER, 2015?2022 (USD MILLION)

TABLE 30 NORTH AMERICA: UNATTENDED GROUND SENSORS MARKET SIZE, BY SECURITY APPLICATION, 2015?2022 (USD MILLION)

TABLE 31 NORTH AMERICA: UNATTENDED GROUND SENSORS MARKET SIZE, BY CRITICAL INFRASTRUCTURE APPLICATION, 2015?2022 (USD MILLION)

TABLE 32 NORTH AMERICA UNATTENDED GROUND SENSORS MARKET SIZE, BY COUNTRY, 2015-2022 (USD MILLION)

TABLE 33 US: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 34 CANADA: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 35 MEXICO: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015?2022 (USD MILLION)

TABLE 36 EUROPE: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015?2022 (USD MILLION)

TABLE 37 EUROPE: UNATTENDED GROUND SENSORS MARKET SIZE, BY DEPLOYMENT, 2015?2022 (USD MILLION)

TABLE 38 EUROPE: UNATTENDED GROUND SENSORS MARKET SIZE, BY END USER, 2015?2022 (USD MILLION)

TABLE 39 EUROPE: UNATTENDED GROUND SENSORS MARKET SIZE, BY SECURITY APPLICATION, 2015-2022 (USD MILLION)

TABLE 40 EUROPE: UNATTENDED GROUND SENSORS MARKET SIZE, BY CRITICAL INFRASTRUCTURE APPLICATION, 2015-2022 (USD MILLION)

TABLE 41 EUROPE: UNATTENDED GROUND SENSORS MARKET SIZE, BY COUNTRY, 2015-2022 (USD MILLION)

TABLE 42 RUSSIA: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 43 UK: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 44 FRANCE: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 45 GERMANY: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 46 REST OF EUROPE: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 47 ASIA PACIFIC: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 48 ASIA PACIFIC: UNATTENDED GROUND SENSORS MARKET SIZE, BY DEPLOYMENT, 2015-2022 (USD MILLION)

TABLE 49 ASIA PACIFIC: UNATTENDED GROUND SENSORS MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

TABLE 50 ASIA PACIFIC: UNATTENDED GROUND SENSORS MARKET SIZE, BY SECURITY APPLICATION, 2015-2022 (USD MILLION)

TABLE 51 ASIA PACIFIC: UNATTENDED GROUND SENSORS MARKET SIZE, BY CRITICAL INFRASTRUCTURE APPLICATION, 2015-2022 (USD MILLION)

TABLE 52 ASIA PACIFIC: UNATTENDED GROUND SENSORS MARKET SIZE, BY COUNTRY, 2015-2022 (USD MILLION)

TABLE 53 CHINA: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 54 INDIA: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 55 JAPAN: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 56 REST OF ASIA PACIFIC: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 57 REST OF THE WORLD: UNATTENDED GROUND SENSORS MARKET SIZE, BY SENSOR TYPE, 2015-2022 (USD MILLION)

TABLE 58 REST OF THE WORLD: UNATTENDED GROUND SENSORS MARKET

SIZE, BY DEPLOYMENT, 2015-2022 (USD MILLION)

TABLE 59 REST OF THE WORLD: UNATTENDED GROUND SENSORS MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

TABLE 60 REST OF THE WORLD: UNATTENDED GROUND SENSORS MARKET SIZE, BY SECURITY APPLICATION, 2015-2022 (USD MILLION)

TABLE 61 REST OF THE WORLD: UNATTENDED GROUND SENSORS MARKET SIZE, BY CRITICAL INFRASTRUCTURE APPLICATION, 2015-2022 (USD MILLION)

TABLE 62 REST OF THE WORLD: UNATTENDED GROUND SENSORS MARKET SIZE, BY REGION, 2015-2022 (USD MILLION)

## List Of Figures

### LIST OF FIGURES

- FIGURE 1 UNATTENDED GROUND SENSORS MARKET SEGMENTATION
- FIGURE 2 REGIONAL SCOPE
- FIGURE 3 RESEARCH PROCESS FLOW
- FIGURE 4 RESEARCH DESIGN
- FIGURE 5 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION
- FIGURE 6 GLOBAL DISTRIBUTION OF MILITARY EXPENDITURE, 2016
- FIGURE 7 MILITARY EXPENDITURE IN ASIA & OCEANIA, 2006-2016 (USD BILLION)
- FIGURE 8 BOTTOM-UP APPROACH
- FIGURE 9 TOP-DOWN APPROACH
- FIGURE 10 DATA TRIANGULATION
- FIGURE 11 UNATTENDED GROUND SENSORS MARKET, BY SENSOR TYPE, 2017 & 2022 (USD MILLION)
- FIGURE 12 UNATTENDED GROUND SENSORS MARKET, BY END USER, 2017 & 2022 (USD MILLION)
- FIGURE 13 UNATTENDED GROUND SENSORS MARKET, BY DEPLOYMENT, 2017 & 2022 (USD MILLION)
- FIGURE 14 UNATTENDED GROUND SENSORS MARKET, BY REGION
- FIGURE 15 THE CHANGING NATURE OF WARFARE IS EXPECTED TO DRIVE THE GROWTH OF THE UNATTENDED GROUND SENSORS MARKET FROM 2017 TO 2022
- FIGURE 16 THE SEISMIC SENSOR TYPE SEGMENT IS ESTIMATED TO ACCOUNT FOR THE LARGEST SHARE OF THE ASIA PACIFIC UNATTENDED GROUND SENSORS MARKET IN 2017
- FIGURE 17 THE HAND-EMPLACED DEPLOYMENT SEGMENT IS PROJECTED TO GROW AT A HIGHER CAGR AS COMPARED TO AIR-DELIVERED DEPLOYMENT SEGMENT FROM 2017 TO 2022
- FIGURE 18 THE UNATTENDED GROUND SENSORS MARKET IN CHINA IS PROJECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD
- FIGURE 19 THE SECURITY END USER SEGMENT IS PROJECTED TO LEAD THE UNATTENDED GROUND SENSORS MARKET FROM 2017 TO 2022
- FIGURE 20 UNATTENDED GROUND SENSORS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES AND CHALLENGES
- FIGURE 21 US DEPARTMENT OF DEFENSE – PROPOSED RDT&E BUDGET, 2017

- FIGURE 22 TOTAL ILLEGAL ALIEN APPREHENSIONS IN THE US (2010–2016)
- FIGURE 23 CBP & ICE ANNUAL BUDGETS (2006–2016)
- FIGURE 24 UGS TECHNOLOGY TRENDS
- FIGURE 25 PORTER'S FIVE FORCES ANALYSIS
- FIGURE 26 UNATTENDED GROUND SENSORS MARKET, BY SENSOR TYPE, 2017 & 2022 (USD MILLION)
- FIGURE 27 UNATTENDED GROUND SENSORS MARKET, BY DEPLOYMENT, 2017 & 2022
- FIGURE 28 UNATTENDED GROUND SENSORS MARKET, BY END USER, 2017 & 2022 (USD MILLION)
- FIGURE 29 UNATTENDED GROUND SENSORS MARKET: REGIONAL SNAPSHOT (2017)
- FIGURE 30 NORTH AMERICA UNATTENDED GROUND SENSORS MARKET SNAPSHOT
- FIGURE 31 EUROPE UNATTENDED GROUND SENSORS MARKET SNAPSHOT
- FIGURE 32 ASIA PACIFIC UNATTENDED GROUND SENSORS MARKET SNAPSHOT
- FIGURE 33 REVENUE & PRODUCT-BASED RANK ANALYSIS OF TOP PLAYERS IN THE UNATTENDED GROUND SENSORS MARKET
- FIGURE 34 TEXTRON SYSTEMS CORPORATION: COMPANY SNAPSHOT
- FIGURE 35 TEXTRON: SWOT ANALYSIS
- FIGURE 36 NORTHROP GRUMMAN: COMPANY SNAPSHOT
- FIGURE 37 NORTHROP GRUMMAN: SWOT ANALYSIS
- FIGURE 38 THALES: COMPANY SNAPSHOT
- FIGURE 39 THALES: SWOT ANALYSIS
- FIGURE 40 LOCKHEED MARTIN: COMPANY SNAPSHOT
- FIGURE 41 LOCKHEED MARTIN: SWOT ANALYSIS
- FIGURE 42 RAYTHEON: COMPANY SNAPSHOT
- FIGURE 43 RAYTHEON COMPANY: SWOT ANALYSIS
- FIGURE 44 ELBIT SYSTEMS: COMPANY SNAPSHOT
- FIGURE 45 ELBIT SYSTEMS: SWOT ANALYSIS
- FIGURE 46 LEONARDO: COMPANY SNAPSHOT
- FIGURE 47 HARRIS CORPORATION: COMPANY SNAPSHOT
- FIGURE 48 HARRIS CORPORATION: SWOT ANALYSIS
- FIGURE 49 L3 TECHNOLOGIES: COMPANY SNAPSHOT

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