Autonomous Navigation Market By System (Sensing System, Processing System, Software System), By Platform (Airborne, Land, Marine, Space, Weapons), By Application (Commercial, Military, Government): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-07-01 | 392 pages | Allied Market Research

AVAILABLE LICENSES:

- Cloud Access License $3456.00
- Business User License $5769.00
- Enterprise License $10995.00

Report description:

Autonomous navigation system, sometimes described as 'level 5 automation' is the ability of robots and automated systems to map the environment and plan their path, without human assistance. It can be found in drones, robots, cars, boats, and other vehicles. The system not only maintain its own stability as it moves but also can plan its movements. For successful autonomous navigation based on a robot operating system, systems such as inertial navigation, global navigation satellite systems (GNSS), radars, LiDARs, cameras, odometers, barometers, ultrasonic sensors, and infrared sensors are used. At present, rise in level of autonomous navigation in mobile robots, expanding interest in in the improvement of marine autonomous frameworks, and surged utilization of autonomous frameworks on war grounds to collect information through activities related to Intelligence, Surveillance and Reconnaissance (ISR) at real-time, propels the growth of the autonomous navigation market. For instance, in November 2021, Honeywell International Inc. launched two new resilient navigation systems, the Honeywell Compact Inertial Navigation System and Honeywell Radar Velocity System. They were designed for commercial and military applications requiring reliable navigation solutions with low size, weight, and power.

The factors such as increase in demand for sense & avoid system in autonomous system, rise in adoption of autonomous robot in commercial & military applications, and increase in demand for real-time data in military applications supplement the growth of the autonomous navigation market. However, lack of standard infrastructure for operation of autonomous systems in developing countries and privacy & security concerns related to data are the factors expected to hamper the growth of the autonomous navigation market. In addition, increased demand for improved surveillance and proactive government initiatives & support are expected to create ample opportunities for the key players operating in the autonomous navigation market.

The autonomous navigation market is segmented on the basis of system, platform, application, and region. Based on system, the

market is divided into sensing system, processing system, and software system. Based on platform, the market is fragmented into airborne, land, marine, space, and weapons. Based on application, the market is categorized into commercial, military, and government. Region wise, it is studied across North America, Europe, Asia-Pacific, and LAMEA.

The leading players operating in the autonomous navigation market are ABB, ENWAY, Fixposition AG, Furuno, General Dynamics, Honeywell International, Kongsberg Gruppen, L3 Harris Technologies, Moog Inc., NAVENTIK GmbH, Northrop Grumman, Raytheon Technologies, Rh Marine, Rolly Royce, Safran, Thales Group, and Trimble. Key innovators operating in the industry are Blickfeld, ModalAI, Starfish Space, Trustpoint, and Xona Space Systems.

Key Benefits For Stakeholders

-This study presents analytical depiction of the global autonomous navigation market analysis along with current trends and future estimations to depict imminent investment pockets.

-The overall autonomous navigation market opportunity is determined by understanding profitable trends to gain a stronger foothold.

-The report presents information related to the key drivers, restraints, and opportunities of the global autonomous navigation market with a detailed impact analysis.

-The current autonomous navigation market is quantitatively analyzed from 2021 to 2031 to benchmark the financial competency.

-Porter's five forces analysis illustrates the potency of the buyers and suppliers in the industry.

Key Market Segments

By Application

- Commercial
- Military
- Government

By System

- Sensing System
- Processing System
- Software System

By Platform

- Airborne
- Land
- Marine
- Space
- Weapons

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- U.K.
- Germany
- France
- Russia
- Italy
- Spain
- Greece
- Norway
- Rest of Europe
- Asia-Pacific

- China
- Japan
- India
- South Korea
- Australia
- Singapore
- Rest of Asia-Pacific
- LAMEA
- Latin America
- Middle East
- Africa
- Key Market Players
- ABB
- Honeywell International
- Safran
- General Dynamics
- Raytheon Technologies
- Thales Group
- Trimble
- L3 Harris Technologies
- Moog Inc.
- Furuno
- Kongsberg Gruppen
- Northrop Grumman
- Rh Marine

Table of Contents:

CHAPTER 1:INTRODUCTION
1.1.Report description
1.2.Key market segments
1.3.Key benefits to the stakeholders
1.4.Research Methodology
1.4.1.Secondary research
1.4.2.Primary research
1.4.3.Analyst tools and models
CHAPTER 2:EXECUTIVE SUMMARY
2.1.Key findings of the study
2.2.CXO Perspective
CHAPTER 3:MARKET OVERVIEW
3.1.Market definition and scope
3.2.Key findings
3.2.1.Top investment pockets
3.3.Porter's five forces analysis
3.4.Top player positioning
3.5.Market dynamics
3.5.1.Drivers
3.5.2.Restraints

3.5.3.Opportunities
3.6.COVID-19 Impact Analysis on the market
CHAPTER 4: AUTONOMOUS NAVIGATION MARKET, BY SYSTEM
4.1 Overview
4.1.1 Market size and forecast
4.2 Sensing System
4.2.1 Key market trends, growth factors and opportunities
4.2.2 Market size and forecast, by region
4.2.3 Market analysis by country
4.3 Processing System
4.3.1 Key market trends, growth factors and opportunities
4.3.2 Market size and forecast, by region
4.3.3 Market analysis by country
4.4 Software System
4.4.1 Key market trends, growth factors and opportunities
4.4.2 Market size and forecast, by region
4.4.3 Market analysis by country
CHAPTER 5: AUTONOMOUS NAVIGATION MARKET, BY PLATFORM
5.1 Overview
5.1.1 Market size and forecast
5.2 Airborne
5.2.1 Key market trends, growth factors and opportunities
5.2.2 Market size and forecast, by region
5.2.3 Market analysis by country
5.3 Land
5.3.1 Key market trends, growth factors and opportunities
5.3.2 Market size and forecast, by region
5.3.3 Market analysis by country
5.4 Marine
5.4.1 Key market trends, growth factors and opportunities
5.4.2 Market size and forecast, by region
5.4.3 Market analysis by country
5.5 Space
5.5.1 Key market trends, growth factors and opportunities
5.5.2 Market size and forecast, by region
5.5.3 Market analysis by country
5.6 Weapons
5.6.1 Key market trends, growth factors and opportunities
5.6.2 Market size and forecast, by region
5.6.3 Market analysis by country
CHAPTER 6: AUTONOMOUS NAVIGATION MARKET, BY APPLICATION
6.1 Overview
6.1.1 Market size and forecast
6.2 Commercial
6.2.1 Key market trends, growth factors and opportunities
6.2.2 Market size and forecast, by region
6.2.3 Market analysis by country

6.3 Military
6.3.1 Key market trends, growth factors and opportunities
6.3.2 Market size and forecast, by region
6.3.3 Market analysis by country
6.4 Government
6.4.1 Key market trends, growth factors and opportunities
6.4.2 Market size and forecast, by region
6.4.3 Market analysis by country
CHAPTER 7: AUTONOMOUS NAVIGATION MARKET, BY REGION
7.1 Overview
7.1.1 Market size and forecast
7.2 North America
7.2.1 Key trends and opportunities
7.2.2 North America Market size and forecast, by System
7.2.3 North America Market size and forecast, by Platform
7.2.4 North America Market size and forecast, by Application
7.2.5 North America Market size and forecast, by country
7.2.5.1 U.S.
7.2.5.1.1 Market size and forecast, by System
7.2.5.1.2 Market size and forecast, by Platform
7.2.5.1.3 Market size and forecast, by Application
7.2.5.2 Canada
7.2.5.2.1 Market size and forecast, by System
7.2.5.2.2 Market size and forecast, by Platform
7.2.5.2.3 Market size and forecast, by Application
7.2.5.3 Mexico
7.2.5.3.1 Market size and forecast, by System
7.2.5.3.2 Market size and forecast, by Platform
7.2.5.3.3 Market size and forecast, by Application
7.3 Europe
7.3.1 Key trends and opportunities
7.3.2 Europe Market size and forecast, by System
7.3.3 Europe Market size and forecast, by Platform
7.3.4 Europe Market size and forecast, by Application
7.3.5 Europe Market size and forecast, by country
7.3.5.1 U.K.
7.3.5.1.1 Market size and forecast, by System
7.3.5.1.2 Market size and forecast, by Platform
7.3.5.1.3 Market size and forecast, by Application
7.3.5.2 Germany
7.3.5.2.1 Market size and forecast, by System
7.3.5.2.2 Market size and forecast, by Platform
7.3.5.2.3 Market size and forecast, by Application
7.3.5.3 France
7.3.5.3.1 Market size and forecast, by System
7.3.5.3.2 Market size and forecast, by Platform
7.3.5.3.3 Market size and forecast, by Application

7.3.5.4 Russia
7.3.5.4.1 Market size and forecast, by System
7.3.5.4.2 Market size and forecast, by Platform
7.3.5.4.3 Market size and forecast, by Application
7.3.5.5 Italy
7.3.5.5.1 Market size and forecast, by System
7.3.5.5.2 Market size and forecast, by Platform
7.3.5.5.3 Market size and forecast, by Application
7.3.5.6 Spain
7.3.5.6.1 Market size and forecast, by System
7.3.5.6.2 Market size and forecast, by Platform
7.3.5.6.3 Market size and forecast, by Application
7.3.5.7 Greece
7.3.5.7.1 Market size and forecast, by System
7.3.5.7.2 Market size and forecast, by Platform
7.3.5.7.3 Market size and forecast, by Application
7.3.5.8 Norway
7.3.5.8.1 Market size and forecast, by System
7.3.5.8.2 Market size and forecast, by Platform
7.3.5.8.3 Market size and forecast, by Application
7.3.5.9 Rest of Europe
7.3.5.9.1 Market size and forecast, by System
7.3.5.9.2 Market size and forecast, by Platform
7.3.5.9.3 Market size and forecast, by Application
7.4 Asia-Pacific
7.4.1 Key trends and opportunities
7.4.2 Asia-Pacific Market size and forecast, by System
7.4.3 Asia-Pacific Market size and forecast, by Platform
7.4.4 Asia-Pacific Market size and forecast, by Application
7.4.5 Asia-Pacific Market size and forecast, by country
7.4.5.1 China
7.4.5.1.1 Market size and forecast, by System
7.4.5.1.2 Market size and forecast, by Platform
7.4.5.1.3 Market size and forecast, by Application
7.4.5.2 Japan
7.4.5.2.1 Market size and forecast, by System
7.4.5.2.2 Market size and forecast, by Platform
7.4.5.2.3 Market size and forecast, by Application
7.4.5.3 India
7.4.5.3.1 Market size and forecast, by System
7.4.5.3.2 Market size and forecast, by Platform
7.4.5.3.3 Market size and forecast, by Application
7.4.5.4 South Korea
7.4.5.4.1 Market size and forecast, by System
7.4.5.4.2 Market size and forecast, by Platform
7.4.5.4.3 Market size and forecast, by Application
7.4.5.5 Australia

7.4.5.5.1 Market size and forecast, by System
7.4.5.5.2 Market size and forecast, by Platform
7.4.5.5.3 Market size and forecast, by Application
7.4.5.6 Singapore
7.4.5.6.1 Market size and forecast, by System
7.4.5.6.2 Market size and forecast, by Platform
7.4.5.6.3 Market size and forecast, by Application
7.4.5.7 Rest of Asia-Pacific
7.4.5.7.1 Market size and forecast, by System
7.4.5.7.2 Market size and forecast, by Platform
7.4.5.7.3 Market size and forecast, by Application
7.5 LAMEA
7.5.1 Key trends and opportunities
7.5.2 LAMEA Market size and forecast, by System
7.5.3 LAMEA Market size and forecast, by Platform
7.5.4 LAMEA Market size and forecast, by Application
7.5.5 LAMEA Market size and forecast, by country
7.5.5.1 Latin America
7.5.5.1.1 Market size and forecast, by System
7.5.5.1.2 Market size and forecast, by Platform
7.5.5.1.3 Market size and forecast, by Application
7.5.5.2 Middle East
7.5.5.2.1 Market size and forecast, by System
7.5.5.2.2 Market size and forecast, by Platform
7.5.5.2.3 Market size and forecast, by Application
7.5.5.3 Africa
7.5.5.3.1 Market size and forecast, by System
7.5.5.3.2 Market size and forecast, by Platform
7.5.5.3.3 Market size and forecast, by Application
CHAPTER 8: COMPANY LANDSCAPE
8.1. Introduction
8.2. Top winning strategies
8.3. Product Mapping of Top 10 Player
8.4. Competitive Dashboard
8.5. Competitive Heatmap
8.6. Key developments
CHAPTER 9: COMPANY PROFILES
9.1 ABB
9.1.1 Company overview
9.1.2 Company snapshot
9.1.3 Operating business segments
9.1.4 Product portfolio
9.1.5 Business performance
9.1.6 Key strategic moves and developments
9.2 Honeywell International
9.2.1 Company overview
9.2.2 Company snapshot

9.2.3 Operating business segments
9.2.4 Product portfolio
9.2.5 Business performance
9.2.6 Key strategic moves and developments
9.3 Safran
9.3.1 Company overview
9.3.2 Company snapshot
9.3.3 Operating business segments
9.3.4 Product portfolio
9.3.5 Business performance
9.3.6 Key strategic moves and developments
9.4 General Dynamics
9.4.1 Company overview
9.4.2 Company snapshot
9.4.3 Operating business segments
9.4.4 Product portfolio
9.4.5 Business performance
9.4.6 Key strategic moves and developments
9.5 Raytheon Technologies
9.5.1 Company overview
9.5.2 Company snapshot
9.5.3 Operating business segments
9.5.4 Product portfolio
9.5.5 Business performance
9.5.6 Key strategic moves and developments
9.6 Thales Group
9.6.1 Company overview
9.6.2 Company snapshot
9.6.3 Operating business segments
9.6.4 Product portfolio
9.6.5 Business performance
9.6.6 Key strategic moves and developments
9.7 Trimble
9.7.1 Company overview
9.7.2 Company snapshot
9.7.3 Operating business segments
9.7.4 Product portfolio
9.7.5 Business performance
9.7.6 Key strategic moves and developments
9.8 L3 Harris Technologies
9.8.1 Company overview
9.8.2 Company snapshot
9.8.3 Operating business segments
9.8.4 Product portfolio
9.8.5 Business performance
9.8.6 Key strategic moves and developments
9.9 Moog Inc.

9.9.1 Company overview
9.9.2 Company snapshot
9.9.3 Operating business segments
9.9.4 Product portfolio
9.9.5 Business performance
9.9.6 Key strategic moves and developments
9.10 Furuno
9.10.1 Company overview
9.10.2 Company snapshot
9.10.3 Operating business segments
9.10.4 Product portfolio
9.10.5 Business performance
9.10.6 Key strategic moves and developments
9.11 Kongsberg Gruppen
9.11.1 Company overview
9.11.2 Company snapshot
9.11.3 Operating business segments
9.11.4 Product portfolio
9.11.5 Business performance
9.11.6 Key strategic moves and developments
9.12 Northrop Grumman
9.12.1 Company overview
9.12.2 Company snapshot
9.12.3 Operating business segments
9.12.4 Product portfolio
9.12.5 Business performance
9.12.6 Key strategic moves and developments
9.13 Rh Marine
9.13.1 Company overview
9.13.2 Company snapshot
9.13.3 Operating business segments
9.13.4 Product portfolio
9.13.5 Business performance
9.13.6 Key strategic moves and developments

Autonomous Navigation Market By System (Sensing System, Processing System, Software System), By Platform (Airborne, Land, Marine, Space, Weapons), By Application (Commercial, Military, Government): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-07-01 | 392 pages | Allied Market Research

To place an Order with Scotts International:

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

ORDER FORM:

Select license	License	Price
	Cloud Access License	$3456.00
	Business User License	$5769.00
	Enterprise License	$10995.00
	VAT	
	Total	

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

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

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	
Address*		City*	
Zip Code*		Country*	

Date	2026-02-09
Signature	