

Unmanned Marine (UMV) and Ground Vehicles (UGV): Market Research Report

https://marketpublishers.com/r/U9870515846EN.html

Date: August 2011

Pages: 518

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

ID: U9870515846EN

Abstracts

This report analyzes the worldwide markets for Unmanned Marine (UMV) and Ground Vehicles (UGV) in US\$ Million by the following major Product Segments: Unmanned Ground Vehicles (UGVs), and Unmanned Marine Vehicles (UMVs).

The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, and Rest of World.

Annual estimates and forecasts are provided for the period 2009 through 2017.

Also, a six-year historic analysis is provided for these markets.

The report profiles 96 companies including many key and niche players such as AB Precision (Poole) Ltd., Accurate Automation Corporation, Allen-Vanguard Corporation, BAE Systems, Bluefin Robotics Corporation, DOK-ING, General Dynamics Corporation, ITT Corporation, iRobot Corporation, Kongsberg Maritime AS, Lockheed Martin Corporation, Maritime Applied Physics Corp., Maritime Robotics, Northrop Grumman, Oregon Iron Works, Inc., QinetiQ North America, Inc., and SeaRobotics Corporation.

Market data and analytics are derived from primary and secondary research.

Company profiles are mostly extracted from URL research and reported select online sources.



Contents

1.INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations
Disclaimers
Data Interpretation & Reporting Level
Quantitative Techniques & Analytics
Product Definition and Scope of Study
Unmanned Ground Vehicles (UGVs)
Unmanned Marine Vehicles (UMVs)

2.INDUSTRY OVERVIEW

UMVs & UGVs: A Quick Market Primer

Market Traits

Growth Prospects Tied to Defense and Military Spending

War in the 21st Century Ushers in the March of the Steel Soldiers

World Military Spending Flies in the Face of Recession

Table 1. Global Military Expenditure (2009): Top 15 Military Spenders in the Year 2009 (includes corresponding Graph/Chart)

Table 2. Global Military Expenditure (2008): Percentage Share of Spending Against GDP by Leading Spenders (includes corresponding Graph/Chart)

Implications for the UMV & UGV Market: An Unequivocal Review

Outlook

Market Dynamics: A Review

Work-Class Unmanned Vehicles: The Next Frontier of Evolution

Table 3. Global Work Class Remotely Operated Vehicle (ROV) Market in the Oil & Gas Industry (2010): Percentage Share Breakdown of Annual Expenditure by Region (includes corresponding Graph/Chart)

Table 4. Global Workclass Remotely Operated Vehicle (ROV) Market (2012P): Breakdown of Number of Units by Region (includes corresponding Graph/Chart)



Technology Developments Invigorates the UMV & UGV Market UMVs: Market Metrics Increased Autonomy & Reduced Complexity to Drive UMV Market Increased Offshore Drilling Activity Bodes Well for the UMV Market

Table 5. Global Offshore Production of Oil & Gas (2012P): Breakdown of Capital Expenditure (Capex) & Operating Expenses (Opex) (in US\$ Billion) by Region (includes corresponding Graph/Chart)

Table 6. World Market for Offshore Drilling (2012): Percentage Share Breakdown of Capital Expenditure (Capex) & Operating Expenses (Opex) by Segment - Shallow Water & Deep Water

Deepwater Applications Drive AUV Deployments Worldwide Underwater Oil and Gas Exploration: A Key Revenue Spinning End-Use Key Statistical Findings

Table 7. World Automated Underwater Vehicles (AUV) Market (2010): Percentage Share Breakdown of Units in Use by Sector (includes corresponding Graph/Chart)

Table 8. World Automated Underwater Vehicles (AUV) Market (2010): Percentage Share Breakdown of Units in Use by Size (includes corresponding Graph/Chart)

UGVs: Market Metrics
Military Applications to Spur Growth of UGVs
Medium & Large UGVs to Witness Strong Demand
Future of UGVs Contingent On Federal Funding Programs
UGVs in City Fighting: A Future End-Use Application to Drive Growth
War in Middle East Spurs Demand for EODs

3.PRODUCT OVERVIEW

Unmanned Ground Vehicles (UGVs): Definition & Overview Teleoperated UGV
Autonomous UGV
Man PorTable Systems
Unmanned Marine Vehicles (UMVs): Definition & Overview



Unmanned Surface Vehicles

USV Developments in the Past: Down the Timeline

USA

Japan

Canada

Israel

Portugal

France

Germany

Recent and Future USV Capabilities

Unmanned Underwater Vehicles

Remotely Operated Vehicles

Autonomous Underwater Vehicles

4.PRODUCT INNOVATIONS/INTRODUCTIONS

Saab Seaeye Introduces Panther XT Plus ROV

Sperre Unveils Novel H-ROV

Hawkes Remotes Launches New Range of ROVs

Global Marine Develops ROV for Offshore Wind Farm Operations

Schilling Robotics and Bourbon Subsea Services Develop ROV Design

Lockheed Martin to Adapt SMSS Robotic Vehicle for UK Forces

Stratom Inc. Launches Warrior Tool and Payload Accessory Kit ™

ECA Group to Introduce Inspection ROV

AGEOTEC Introduces Ageotec Perseo GT ROV

Saab Seaeye Unveils Two ROVs

Triton Group Holdings to Introduce ROV

Boeing and iRobot Launch SUGV

Chemring Introduces VISOR Mini-HMDS Ground Penetrating Radar Mine Detection

System

Raytheon Introduces Multi-Dimensional Mobility Robot

5.RECENT INDUSTRY ACTIVITY

Marport Deep Sea Technologies Spins Off Underwater Robotics Division

Reef Subsea Purchases EXS Subsea

iRobot Corporation Acquires Contract for Supply of Small UGVs

RE2 Licenses Small Robot Toolkit Technology to Remotec

Northrop Grumman and BAE Systems Include iRobot in GCV Team



iRobot Receives Order for Robot Intelligence Software from US Army

RE2 Receives Phase II SBIR RDK Project from US Army

Boeing and iRobot Receive New Order for SUGVs from US Army

Fugro Acquires Riise Underwater Engineering AS

Teledyne Benthos Acquires Hafmynd

ECA Group Takes Over Triton Imaging

iRobot Corporation Bags Two Contracts from Naval Oceanographic Office

Augusta Systems Acquires Contract from US Naval Air Systems Command

iRobot Corporation and The Boeing Company Bag Contract from US Air Force

iRobot Corporation Wins Contract with Naval Sea Systems Command

Perry Slingsby Systems Limited Bags Contract from JOGMEC

AlumiFuel Power Signs UUV Contract with US Navy

Schilling Robotics Acquires UHDTM ROVs Order from TS Marine

Seatrax Singapore AP Signs Contract with Sub- Atlantic Asia Pacific

SMD Bags Contract from i-Tech

Hydroid to Supply REMUS 100 AUVs to Florida Atlantic University

Carnegie Mellon University and NREC Establish Carnegie Robotics

Bolduc Technology Group and Boeing Jointly Produce UGV Conversion Kits

RE2 Enters into R&D Contract with Robotics Technology Consortium to Develop CE2

RE2 to Design MIMIC System for US Army's TARDEC

Sub-Atlantic Ltd Procures Orders for Multiple ROVs

Hydroid Inc. and Bluefin Robotics Bag UUV contracts

Tidewater Acquires Aquanos Enabler

Integrated Subsea Services Acquires Submec

DOF Subsea Norway Bags Contract from Statoil

G-NIUS Unmanned Ground Systems Wins Contract from Israeli Defense Forces

Mermaid Offshore Services Inks Agreement with Aquanos

Israel Aerospace and Elbit Systems Win Joint Contract

Subsea 7 Bags Contract from Industrial Perforadora de Campeche

OceanServer Technology Bags Contract from University of Zagreb

Hallin Marine Secures Contract for ROV Services

Lewek Shipping Bags Contract from PSS to Offer Triton XLXs

C & C Technologies Bags Contract with Petrobras

Subsea Americas Bags Contract from Technip

Hallin Marine Signs Contract with Oil and Gas Company

Curtiss-Wright Bags Contract for Supply of Computer Processing Modules

Marport Bags Contract to Provide SQX-1 AUV

Sistac Sistemas Selects PSS to Offer First Workclass ROV System

Northrop Grumman Launches UK Facility for Unmanned Ground Vehicles



Oshkosh Defense and TARDEC Sign CRADA

Kairos Autonomi Commences Online Sale of UGV Support Products

DRDO to Supply Robots to the Indian Army

RE2 Receives Phase I SBIR to Study Robotic Door Opening Technologies

FMC Technologies to Acquire 45% of Schilling Robotics for US\$116 million

iRobot Purchases Nekton Research LLC

Teledyne Completes Acquisition of Webb Research

Hydroid LLC Acquired by Kongsberg Maritime

Lockheed Martin Acquires PercepTek

C-Innovation Inks Contract with Heerema Marine Contractors

Estonia to Purchase Two REMUS 100 Unmanned Underwater Vehicles

ST Marine Snaps Up ROV Conversion Contract

GSP Titan Inks Contract with Perry Slingsby and Sub- Atlantic for New-Build

Undertaking

Perry Slingsby Systems Seals New Deal with Technip

Protonex Bags Contract to Display Advanced Unmanned Ground Vehicle Capabilities

6.FOCUS ON SELECT PLAYERS

AB Precision (Poole) Ltd. (UK)

Accurate Automation Corporation (USA)

Allen-Vanguard Corporation (Canada)

BAE Systems (UK)

Bluefin Robotics Corporation (USA)

DOK-ING (Croatia)

General Dynamics Corporation (USA)

ITT Corporation (USA)

iRobot Corporation (USA)

Kongsberg Maritime AS (Norway)

Lockheed Martin Corporation (USA)

Maritime Applied Physics Corp (USA)

Maritime Robotics (Norway)

Northrop Grumman (UK)

Oregon Iron Works, Inc. (USA)

QinetiQ North America, Inc. (USA)

SeaRobotics Corporation (USA)

7.GLOBAL MARKET PERSPECTIVE



Unmanned Marine Vehicles (UMVs)

Table 9. World Recent Past, Current & Future Analysis for Unmanned Marine Vehicles by Geographic Region – US, Canada, Japan, Europe, Asia-Pacific, and Rest of World Markets Independently Analyzed with Annual Sales in US\$ Million for Years 2009 through 2017 (includes corresponding Graph/Chart)

Table 10. World Historic Review for Unmanned Marine Vehicles by Geographic Region – US, Canada, Japan, Europe, Asia-Pacific, and Rest of World Markets Independently Analyzed with Annual Sales in US\$ Million for Years 2003 through 2008 (includes corresponding Graph/Chart)

Table 11. World 15-Year Perspective for Unmanned Marine Vehicles by Geographic Region – Percentage Breakdown of Annual Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific, and Rest of World Markets for Years 2003, 2010 and 2017 (includes corresponding Graph/Chart)

Unmanned Ground Vehicles (UGVs)

Table 12. World Recent Past, Current & Future Analysis for Unmanned Ground Vehicles by Geographic Region – US, Canada, Japan, Europe, Asia-Pacific, and Rest of World Markets Independently Analyzed with Annual Sales in US\$ Million for Years 2009 through 2017 (includes corresponding Graph/Chart)

Table 13. World Historic Review for Unmanned Ground Vehicles by Geographic Region – US, Canada, Japan, Europe, Asia-Pacific, and Rest of World Markets Independently Analyzed with Annual Sales in US\$ Million for Years 2003 through 2008 (includes corresponding Graph/Chart)

Table 14. World 15-Year Perspective for Unmanned Ground Vehicles by Geographic Region – Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific, and Rest of World Markets for Years 2003, 2010 and 2017 (includes corresponding Graph/Chart)

8.THE UNITED STATES

A. MARKET ANALYSIS



Outlook

Market Overview

Table 15. Unmanned Maritime Systems Market in the United States (2013F): Breakdown of Department of Defense (DoD) Budget in (US\$ Million) by Area of Expenditure (includes corresponding Graph/Chart)

Table 16. Unmanned Ground Vehicle Market in the United States (2013F): Breakdown of Department of Defense (DoD) Budget in (US\$ Million) by Area of Expenditure (includes corresponding Graph/Chart)

US Navy: The Largest End-User of USVs

Table 17. US Unmanned Maritime Systems Market (2013F): Percentage Share Breakdown of Annual Spending Forecast by Segment

Market Share Findings

Table 18. Unmanned Ground Vehicles (UGV) Market in the United States (2010): Percentage Market Share Breakdown of Leading Manufacturers (includes corresponding Graph/Chart)

Table 19. Unmanned Surface Vehicles (USV) Market in the United States (2010): Percentage Market Share Breakdown of Leading Manufacturers (includes corresponding Graph/Chart)

Table 20. Unmanned Undersea Vehicle (UUV) Market in the United States (2010): Percentage Market Share Breakdown of Leading Manufacturers (includes corresponding Graph/Chart)

B. MARKET ANALYTICS

Table 21. US Recent Past, Current & Future Analysis for Unmanned Marine Vehicles



Analyzed with Annual Sales in US\$ Million for Years 2009 through 2017 (includes corresponding Graph/Chart)

Table 22. US Historic Review for Unmanned Marine Vehicles Analyzed with Annual Sales in US\$ Million for Years 2003 through 2008 (includes corresponding Graph/Chart)

Table 23. US Recent Past, Current & Future Analysis for Unmanned Ground Vehicles Analyzed with Annual Sales in US\$ Million for Years 2009 through 2017 (includes corresponding Graph/Chart)

Table 24. US Historic Review for Unmanned Ground Vehicles Analyzed with Annual Sales in US\$ Million for Years 2003 through 2008 (includes corresponding Graph/Chart)

9.CANADA

A. MARKET ANALYSIS

Outlook

Robust Research Efforts Underway in Canada

B. MARKET ANALYTICS

Table 25. Canadian Recent Past, Current & Future Analysis for Unmanned Marine Vehicles Analyzed with Annual Sales in US\$ Million for Years 2009 through 2017 (includes corresponding Graph/Chart)

Table 26. Canadian Historic Review for Unmanned Marine Vehicles Analyzed with Annual Sales in US\$ Million for Years 2003 through 2008 (includes corresponding Graph/Chart)

Table 27. Canadian Recent Past, Current & Future Analysis for Unmanned Ground Vehicles Analyzed with Annual Sales in US\$ Million for Years 2009 through 2017 (includes corresponding Graph/Chart)

Table 28. Canadian Historic Review for Unmanned Ground Vehicles Analyzed with Annual Sales in US\$ Million for Years 2003 through 2008 (includes corresponding Graph/Chart)



10.JAPAN

A. MARKET ANALYSIS

Outlook Market Overview

B. MARKET ANALYTICS

Table 29. Japan Recent Past, Current & Future Analysis for Unmanned Marine Vehicles Analyzed with Annual Sales in US\$ Million for Years 2009 through 2017 (includes corresponding Graph/Chart)

Table 30. Japan Historic Review for Unmanned Marine Vehicles Analyzed with Annual Sales in US\$ Million for Years 2003 through 2008 (includes corresponding Graph/Chart)

Table 31. Japan Recent Past, Current & Future Analysis for Unmanned Ground Vehicles Analyzed with Annual Sales in US\$ Million for Years 2009 through 2017 (includes corresponding Graph/Chart)

Table 32. Japan Historic Review for Unmanned Ground Vehicles Analyzed with Annual Sales in US\$ Million for Years 2003 through 2008 (includes corresponding Graph/Chart)

11.EUROPE

A. MARKET ANALYSIS

Market Overview
Focus On Select Regional Markets
France

Germany

Outlook

Russia

B. MARKET ANALYTICS

Table 33. European Recent Past, Current & Future Analysis for Unmanned Marine



Vehicles by Country – France, Germany, Italy, UK, Spain and Rest of Europe Markets Independently Analyzed with Annual Sales in US\$ Million for Years 2009 through 2017 (includes corresponding Graph/Chart)

Table 34. European Historic Review for Unmanned Marine Vehicles by Country – France, Germany, Italy, UK, Spain and Rest of Europe Markets Independently Analyzed with Annual Sales in US\$ Million for Years 2003 through 2008 (includes corresponding Graph/Chart)

Table 35. European 15-Year Perspective for Unmanned Marine Vehicles by Country – Percentage Breakdown of Annual Dollar Sales for France, Germany, Italy, UK, Spain and Rest of Europe Markets for Years 2003, 2010 and 2017 (includes corresponding Graph/Chart)

Table 36. European Recent Past, Current & Future Analysis for Unmanned Ground Vehicles by Country – France, Germany, Italy, UK, Spain and Rest of Europe Markets Independently Analyzed with Annual Sales in US\$ Million for Years 2009 through 2017 (includes corresponding Graph/Chart)

Table 37. European Historic Review for Unmanned Ground Vehicles by Country – France, Germany, Italy, UK, Spain and Rest of Europe Markets Independently Analyzed with Annual Sales in US\$ Million for Years 2003 through 2008 (includes corresponding Graph/Chart)

Table 38. European 15-Year Perspective for Unmanned Ground Vehicles by Country – Percentage Breakdown of Dollar Sales for France, Germany, Italy, UK, Spain and Rest of Europe Markets for Years 2003, 2010 and 2017 (includes corresponding Graph/Chart)

12.ASIA-PACIFIC

A. MARKET ANALYSIS

Outlook
Focus on China

B. MARKET ANALYTICS



Table 39. Asia Pacific Recent Past, Current & Future Analysis for Unmanned Marine Vehicles Analyzed with Annual Sales in US\$ Million for Years 2009 through 2017 (includes corresponding Graph/Chart)

Table 40. Asia Pacific Historic Review for Unmanned Marine Vehicles Analyzed with Annual Sales in US\$ Million for Years 2003 through 2008 (includes corresponding Graph/Chart)

Table 41. Asia Pacific Recent Past, Current & Future Analysis for Unmanned Ground Vehicles Analyzed with Annual Sales in US\$ Million for Years 2009 through 2017 (includes corresponding Graph/Chart)

Table 42. Asia Pacific Historic Review for Unmanned Ground Vehicles Analyzed with Annual Sales in US\$ Million for Years 2003 through 2008 (includes corresponding Graph/Chart)

13.REST OF WORLD

A. MARKET ANALYSIS

Outlook

Brazil

Israel

B. MARKET ANALYTICS

Table 43. Rest of the World Recent Past, Current & Future Analysis for Unmanned Marine Vehicles Analyzed with Annual Sales in US\$ Million for Years 2009 through 2017 (includes corresponding Graph/Chart)

Table 44. Rest of the World Historic Review for Unmanned Marine Vehicles Analyzed with Annual Sales in US\$ Million for Years 2003 through 2008 (includes corresponding Graph/Chart)

Table 45. Rest of the World Recent Past, Current & Future Analysis for Unmanned Ground Vehicles Analyzed with Annual Sales in US\$ Million for Years 2009 through 2017 (includes corresponding Graph/Chart)



Table 46. Rest of the World Historic Review for Unmanned Ground Vehicles Analyzed with Annual Sales in US\$ Million for Years 2003 through 2008 (includes corresponding Graph/Chart)

COMPETITIVE LANDSCAPE

Total Companies Profiled: 96 (including Divisions/Subsidiaries - 108)

Region/CountryPlayers

The United States

Canada

Europe

France

Germany

The United Kingdom

Italy

Rest of Europe

Asia-Pacific (Excluding Japan)

Middle East



I would like to order

Product name: Unmanned Marine (UMV) and Ground Vehicles (UGV): Market Research Report

Product link: https://marketpublishers.com/r/U9870515846EN.html

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

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/U9870515846EN.html