AUTONOMOUS ROBOTS RAISE OPERATIONAL EFFICIENCIES

This study is a comprehensive, in-depth analysis of the Autonomous Mobile Robotics (AMR) market, including market size and segmentation, market forecast, industry structure, and supplier market shares and profiles.

Once assailed as difficult to implement and marginally effective in improving manufacturing processes, robots are now hailed for their reliability.

The artificial intelligence forming the underlying basis of autonomous mobility has existed for decades, but the tipping point in the market has been a combination of factors, including: the rapid decline in sensors used for navigation, low cost of computing technology, and the increasing reliance of the military on unmanned vehicles.

With the technology still in its nascency, the current market for AMR represents only a small fraction of its potential. Current activity is mostly concentrated in warehousing and distribution, but there are many industries and applications which are entering the early adopter phase.

The viability of AMR for the industrial market has been catalyzed by the success of Kiva Solutions and iRobot. The commercial success of AMRs from these companies has transformed the sector from novelty and curiosity status to a technology to be taken seriously.

For more information, please visit us at www.arcweb.com/res/study.

STRATEGIC ISSUES

Today, a majority of the leading suppliers specialize in meeting the needs of specific industry application requirements. Due to the largely unmet range of potential applications of the technology, the competitive landscape of the market will change dramatically, offering opportunities for both suppliers and for end users.

- How can suppliers transition R&D projects into commercial success?
- How can AMRs contribute to gains in manufacturing operational efficiency?
- How have safety regulations impacted the industry?
- For which niche applications do AMRs offer the greatest competitive advantage?

STUDY CONTENTS

EXECUTIVE SUMMARY
Major, Regional, and Industry Trends
Strategies for Success

SCOPE
MARKET SHARES LIST OF FIGURES
Market Shares of the Leading Suppliers
Market Shares by Region
North America
Europe, Middle East, Africa
Asia
Latin America
Market Shares by Revenue Category
Hardware
Software
Services
Market Shares by Vehicle Type
Amphibious
Outdoor Terrain
Indoor Navigation
Market Shares by Hardware Subsystem
Mechanical Platform
Navigation System & Sensors

MARKET FORECAST LIST OF FIGURES
Total Autonomous Mobile Robotics Business
Shipments by Region
Shipments by Revenue Category
Shipments by Vehicle Type
Shipments by Hardware Subsystem

Suppliers for 43 of the major suppliers servicing this market are included. Each reviews the company’s business, products, and services as it applies to this market.