North America Slam Technology Market Forecast 2022-2030

Market Report | 2022-09-01 | 167 pages | Inkwood Research

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Report description:

KEY FINDINGS
The North America SLAM technology market is expected to register a CAGR of 39.31% during the forecast period, 2022-2030. One of the primary factors driving the demand for SLAM technology across commercial end-users is the growing need for industrial and logistics robots in different industries.
MARKET INSIGHTS
The United States and Canada are assessed for the North America SLAM technology market growth analysis. In Canada, there have been technological advancements in SLAM technology, given a large number of end-user companies. GeoSLAM, AI Incorporated, and Clearpath Robotics Inc are among the companies engaged in SLAM technology in Canada. Also, AI Incorporated launched autonomous refuse robots that integrate the SLAM technology with other technologies to aid in garbage collection.
The North America SLAM technology market segmentation includes type, mapping, and application. The type segment includes Extended Kalman Filter (EKF), graph-based SLAM, FastSLAM, and other types. FastSLAM is an algorithm wherein the full posterior distribution of the robot position, and its close-by landmark locations are analyzed repeatedly. It is considered accurate for mapping large environments. In addition, it is considered one of the efficient algorithms for mobile devices to enable autonomous navigation. Such factors constitute the North America SLAM technology market.
COMPETITIVE INSIGHTS
Some of the leading firms in the market include Google Llc, Intel Corporation, Amazon Robotics Llc, etc.
Our report offerings include:
- Explore key findings of the overall market
- Strategic breakdown of market dynamics (Drivers, Restraints, Opportunities, Challenges)
- Market forecasts for a minimum of 9 years, along with 3 years of historical data for all segments, sub-segments, and regions
- Market Segmentation caters to a thorough assessment of key segments with their market estimations
- Geographical Analysis: Assessments of the mentioned regions and country-level segments with their market share
- Key analytics: Porter's Five Forces Analysis, Vendor Landscape, Opportunity Matrix, Key Buying Criteria, etc.
- The competitive landscape is the theoretical explanation of the key companies based on factors, market share, etc.
- Company profiling: A detailed company overview, product/services offered, SCOT analysis, and recent strategic developments

Table of Contents:

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