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Asia Pacific Inertial Sensors for Land Defense Market Forecast to 2030 - Regional Analysis - by Technology (FOG, MEMS, and Others) and Application (Stabilization Missile Systems, Stabilization Turret-Cannon Systems, Land Navigation Including Land Survey, Missile GGM-SSM, Stabilization Active Protection System, Stabilization of Optronics System, and Others)

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Abstracts

The Asia Pacific inertial sensors for land defense system market was valued at US$ 202.60 million in 2022 and is expected to reach US$ 289.57 million by 2030; it is estimated to record a CAGR of 4.6% from 2022 to 2030.

Rise in Government Initiatives Boost Asia Pacific Inertial Sensors for Land Defense System Market

Unmanned vehicles, including unmanned ground vehicles (UGVs), unmanned aerial vehicles (UAVs), and unmanned underwater vehicles (UUVs), have become essential in defense operations due to their ability to reduce risks to human personnel, enhance situational awareness, and increase operational capabilities. Recognizing the potential of unmanned vehicles, governments of several countries across the globe are actively taking measures to incorporate them into their defense strategies. With funding from DARPA, Honeywell has made significant progress in the development of these sensors. Recent findings from Honeywell labs have demonstrated that the new sensors exhibit significantly higher levels of accuracy compared to Honeywell's current tactical-grade product, the HG1930 inertial measurement unit (IMU), which was widely deployed with

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over 150,000 units in use. This breakthrough in sensor technology holds great promise for enhancing navigation capabilities in various industries, including both commercial and defense sectors. The remarkable accuracy achieved by these sensors compared to their predecessors holds great promise for improving land defense systems and various other industries that rely on precise motion sensing, which is further boosting the inertial sensors for land defense system market growth.

Asia Pacific Inertial Sensors for Land Defense System Market Overview

The market in Asia Pacific is segmented into Australia, China, India, Japan, South Korea, and the Rest of Asia Pacific. The region is experiencing substantial growth in the inertial sensors for the land defense system market. Asia Pacific (Asia Pacific) is home to some of the world's most powerful militaries, with several countries investing heavily in their land defense capabilities. Militaries across Asia Pacific are investing in modern weapons systems, such as long-range missiles, precision-guided munitions, cyberwarfare capabilities, and other military projects. For instance, in July 2020, India earmarked US$ 5.2 billion to design and develop military equipment. The Ministry of Defence announced that the approved proposals involved acquisitions worth US$ 4.1 billion from domestic defense industry firms. Additionally, in December 2023, the U.S. military announced the deployment of intermediate-range ground-based missiles in the Indo-Pacific in 2024, establishing its first arsenal in the region since the end of the Cold War to enhance deterrence against China.

Foreign countries have increased regional tensions and border disputes, which are prompting countries in Asia Pacific to invest heavily in modernizing their land defense capabilities. This includes the adoption of advanced technologies such as drones, unmanned ground vehicles (UGVs), and precision-guided munitions, all of which rely heavily on inertial sensors for navigation and guidance. Militaries across Asia Pacific are increasingly emphasizing precision and efficiency in their operations. Inertial sensors play a crucial role in enabling accurate targeting, platform stabilization, and real-time situational awareness, leading to a higher chance of mission success with minimal collateral damage. Therefore, the market for inertial sensors in land defense systems in Asia Pacific is expected to witness significant growth in the coming years. Increased demand for advanced defense technologies, coupled with continuous advancements in sensor technology and increasing investment, will drive the market expansion.

Asia Pacific Inertial Sensors for Land Defense System Market Revenue and Forecast to 2030 (US$ Million)

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Asia Pacific Inertial Sensors for Land Defense System Market Segmentation

The Asia Pacific inertial sensors for land defense system market is categorized into technology, application, and country.

Based on technology, the Asia Pacific inertial sensors for land defense system market is categorized into FOG, MEMS, and others. The FOG segment held the largest market share in 2022.

In terms of application, the Asia Pacific inertial sensors for land defense system market is segmented into stabilization missile systems, stabilization turret/ cannon systems, land navigation including land survey, missile GGM/ SSM, stabilization active protection systems, stabilization of optronic systems, and others. The stabilization missile systems segment held the largest market share in 2022.

By country, the Asia Pacific inertial sensors for land defense system market is segmented into Australia, China, India, Japan, South Korea, New Zealand, and the Rest of Asia Pacific. China dominated the Asia Pacific Inertial Sensors for Land Defense System Market share in 2022.

Collins Aerospace, Advanced Navigation Pty Ltd, Honeywell International Inc, Aeron Systems Pvt Ltd, Northrop Grumman Corp, SBG Systems SAS, Thales SA, Emcore Corp, and Exail SAS are some of the leading companies operating in the Asia Pacific inertial sensors for land defense system market.

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