

Key Driver for 2025 PNT Market Growth: Rising Demand for Autonomous Vehicles Boosts Navigation Solutions

The Business Research Company's Key Driver for 2025 PNT Market Growth: Rising Demand for Autonomous Vehicles Boosts Navigation Solutions

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/EINPresswire.com/ -- [The Business Research Company](#)'s Latest Report Explores Market Driver, Trends, Regional Insights - Market Sizing & Forecasts Through 2034

The Business
Research Company

Position, Navigation, and Timing (PNT) Solution
Global Market Report 2025 – Market Size, Trends, And
Global Forecast 2025-2034

The Global Position, Navigation, And Timing Solutions PNT Market is foreseeing a substantial growth from \$1.39 billion in 2024 to \$1.57 billion in 2025 at a compound annual growth rate

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It will grow to \$2.39 billion in 2029 at a compound annual growth rate (CAGR) of 11.0%.”

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Company*

CAGR of 13.4%. This significant expansion is being propelled by the upward thrust of precision agriculture, autonomous and connected vehicles, inertial navigation systems INS, global positioning system GPS, and multi-constellation systems.

What's Fueling The Growth Of The Position, Navigation, And Timing Solutions PNT Market Going Forward?

As per The Business Research Company's latest report, the PNT market size is expected to strengthen its consistent rise in the near future and achieve a size of \$2.39 billion in 2029 at a compound annual growth rate CAGR of 11.0%. The forecast period sees an augmentation in the impact from next-generation satellite systems, quantum technologies, 5G technology integration, advanced inertial navigation systems, and low earth orbit LEO satellites. The anticipated trend dictators of this period include regulatory developments, robust anti-spoofing and anti-jamming technologies, augmentation systems development, emergence of new navigation technologies, and integration with internet of things IoT.

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What's Driving The Position, Navigation, And Timing Solutions PNT Market Growth?

Keeping up with the turn of trends, the ascension of autonomous vehicles promises to act as a strong catalyst in the growth of the PNT solution market. Autonomous vehicles, also recognized as self-driving or driverless vehicles, perform their necessary functions without any human intervention. Positioning, navigation, and time solutions remain pivotal to the manufacturing of these autonomous cars by providing accurate position data, navigation direction, and time synchronization to secure an effective operation.

What Key Player Strategies Are Driving The Position, Navigation, And Timing Solutions PNT Market?

Dominating the PNT solution market are giants such as Lockheed Martin Corporation, Qualcomm Technologies Inc, General Dynamics Corporation, Northrop Grumman Corporation, Honeywell International, and many more. These major industry players are developing sensor-based technology products, such as Position, Navigation, and Timing PNT boards, to secure their stand in the market. A PNT board is an electrical circuit or module that plays a primary role by combining the three main PNT capabilities: positioning, navigation, and timing.

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How Is The Position, Navigation, And Timing Solutions PNT Market Segmented?

The PNT solution market report identities the market's segments as follows:

- 1 By Type: Precise Point Positioning PPP, Real-Time Kinematic RTK, Precise Point Positioning-Real-Time Kinematic PPP-RTK, Wide-Area Real-Time Kinematics WARTK
- 2 By Component: Satellite, Ground
- 3 By Application: Navigation, Positioning, Precision Timing, Geo-Location
- 4 By End User: Defense, Commercial, Government And Civil

Further broken down to:

- 1 By PPP: Static PPP Solutions, Kinematic PPP Solutions, Networked PPP Solutions
- 2 By RTK: Single-Base RTK Solutions, Network RTK Solutions, RTK For Agriculture And Construction
- 3 By PPP-RTK: Integrated PPP-RTK Solutions, Applications In Autonomous Vehicles, Surveying

And Mapping Applications

What Are The Regional Insights In The Position, Navigation, And Timing Solutions PNT Market?

In 2024, North America took the lead as the largest region in the PNT solution market. In contrast, the forecast period is predicted to experience the highest rate of growth coming from Asia-Pacific. The regions extensively covered in the report span across Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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