

Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market: Analysis and Forecast, 2023-2033

https://marketpublishers.com/r/AA1E6DDDDF4CEN.html

Date: February 2024

Pages: 84

Price: US\$ 2,950.00 (Single User License)

ID: AA1E6DDDDF4CEN

Abstracts

Hard copy option is available on any of the options above at an additional charge of \$500. Please email us at order@marketpublishers.com with your request.

This report will be delivered in 1-5 working days.

Introduction to Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market

The Asia-Pacific position, navigation, and timing (PNT) solution (satellite) market is estimated to reach \$1,410.5 million by 2033 from \$466.1 million in 2023, at a CAGR of 11.71% during the forecast period 2023-2033. In recent times, significant advancements and growth have been observed in the market for position, navigation, and timing (PNT) solutions. The surge in the usage of smartphones, wearable devices, and in-car navigation systems has spurred the need for accurate positioning and navigation capabilities.

Market Introduction

The Asia-Pacific (APAC) region is experiencing substantial growth in the Position, Navigation, and Timing (PNT) solution market. This expansion is driven by the rapid adoption of smartphones, smart wearables, and vehicle navigation systems across various industries. The demand for precise location-based services, including GPS navigation, fleet management, and asset tracking, is propelling market growth. Moreover, the increasing deployment of PNT solutions in sectors such as transportation, logistics, and defense further contribute to market growth. With advancements in satellite navigation technology and the emergence of new applications, the APAC PNT solution market is poised for continuous growth and innovation, offering lucrative opportunities for market players and driving technological



advancements across the region.

advancements across the region.	
Market Segmentation:	
Segmentation 1: by Application	
Navigation	
Positioning	
Precision Timing	
Geo-Location	
Segmentation 2: by End User	
Defense	
Commercial	
Government and Civil	
Segmentation 3: by Component	
Dogmandian a. by Companent	
Satellite	
Ground	
Segmentation 4: by Country (Satellite)	
China	
India	
Japan	



Rest-of-Asia-Pacific

How can this report add value to an organization?

Product/Innovation Strategy: The product segment helps the reader understand the different types of solutions available for deployment and their potential globally. Moreover, the study provides the reader with a detailed understanding of the APAC position, navigation, and timing (PNT) solution by component.

Growth/Marketing Strategy: The APAC position, navigation, and timing (PNT) solution market has seen major development by key players operating in the market, such as contract, collaboration, and joint venture. The favored strategy for the companies has been contracts to strengthen their position in the APAC position, navigation, and timing (PNT) solution market.

Competitive Strategy: Key players in the APAC position, navigation, and timing (PNT) solution market analyzed and profiled in the study involve major APAC position, navigation, and timing (PNT) solution companies providing solutions, respectively. Moreover, a detailed market share analysis of the players operating in the APAC position, navigation, and timing (PNT) solution market has been done to help the reader understand how players stack against each other, presenting a clear market landscape. Additionally, comprehensive competitive strategies such as partnerships, agreements, and collaborations will aid the reader in understanding the untapped revenue pockets in the market.



Contents

Executive Summary Scope of the Study

1 MARKET

- 1.1 Industry Outlook
 - 1.1.1 Position, Navigation, and Timing (PNT) Solution Market: Overview
 - 1.1.2 Current and Emerging Technological Trends
 - 1.1.2.1 GPS Augmentation Systems
 - 1.1.2.2 Growing Use of Multi- GNSS Dead-Reckoning and RTK
 - 1.1.2.3 Rising Use of Cloud-Based PNT Services and Machine Learning
 - 1.1.2.4 Quantum-Based PNT Technologies
- 1.1.2.5 5G Broadcast Technology for Resilient Position, Navigation, and Timing (PNT) Systems
 - 1.1.3 On-Going and Upcoming Programs
 - 1.1.3.1 Korean Positioning System (KPS)
- 1.1.3.1.1 Need for International Assistance in Meeting the Requirements of the KPS Project
 - 1.1.3.2 Navigation Innovation and Support Program (NavISP)
 - 1.1.3.3 Southern Positioning Augmentation Network (SouthPAN)
 - 1.1.3.4 Robust Optical Clock Network (ROCkN)
 - 1.1.3.5 Blackjack Program
 - 1.1.3.6 URANO
 - 1.1.3.7 Military GPS User Equipment Increment 2 Miniature Serial Interface Program
 - 1.1.3.8 H2020 Program
 - 1.1.4 Start-Up and Investment Landscape
- 1.1.5 Growth of Satellite Constellations: A Growth Factor for Satellite-based PNT Services
 - 1.1.6 Growth of Ground-as-a-Service: A Growth Factor for PNT Solution Market
 - 1.1.7 Use-cases for Position, Navigation, and Timing (PNT) Solution
 - 1.1.7.1 Terrestrial Radio Frequency (RF) Network
 - 1.1.7.2 Optical Position, Navigation, and Timing (OPNT)
 - 1.1.7.3 Terrestrial vs. Space-Based PNT Solution
 - 1.1.8 Supply Chain Analysis
- 1.2 Business Dynamics
- 1.2.1 Business Drivers
- 1.2.1.1 Growth of the Autonomous Vehicles Market



- 1.2.1.2 Deployment of New Low Earth Orbit (LEO) Navigation Satellites
- 1.2.2 Business Challenges
 - 1.2.2.1 GPS Jamming and Spoofing Attacks
- 1.2.3 Business Strategies
 - 1.2.3.1 New Product Launch
- 1.2.4 Corporate Strategies
 - 1.2.4.1 Partnerships, Collaborations, Agreements, Contracts, and Others
 - 1.2.4.2 Mergers and Acquisitions
- 1.2.5 Business Opportunities
 - 1.2.5.1 Emergence of Terrestrial-Based PNT Solutions

2 REGION

- 2.1 Position, Navigation, and Timing (PNT) Solution Market (by Region)
- 2.2 Asia-Pacific
 - 2.2.1 Markets
 - 2.2.1.1 Key Manufacturers and Suppliers in Asia-Pacific
 - 2.2.1.2 Business Drivers
 - 2.2.1.3 Business Challenges
 - 2.2.2 Application
- 2.2.2.1 Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market (by End User, Satellite), Value Data
 - 2.2.3 Product
- 2.2.3.1 Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market (by Component), Value Data
 - 2.2.4 Services
- 2.2.4.1 Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market-GNSS Correction Services (by Type), Value Data
 - 2.2.5 Asia-Pacific (by Country)
 - 2.2.5.1 China
 - 2.2.5.1.1 Markets
 - 2.2.5.1.1.1 Key Manufacturers and Suppliers in China
 - 2.2.5.1.2 Application
- 2.2.5.1.2.1 China Position, Navigation, and Timing (PNT) Solution Market (by End User, Satellite), Value Data
 - 2.2.5.2 India
 - 2.2.5.2.1 Markets
 - 2.2.5.2.1.1 Key Manufacturers and Suppliers in India
 - 2.2.5.2.2 Application



- 2.2.5.2.2.1 India Position, Navigation, and Timing (PNT) Solution Market (by End User, Satellite), Value Data
 - 2.2.5.3 Japan
 - 2.2.5.3.1 Markets
 - 2.2.5.3.1.1 Key Manufacturers and Suppliers in Japan
 - 2.2.5.3.2 Application
- 2.2.5.3.2.1 Japan Position, Navigation, and Timing (PNT) Solution Market (by End User, Satellite), Value Data
 - 2.2.5.4 Rest-of-Asia-Pacific
 - 2.2.5.4.1 Markets
 - 2.2.5.4.1.1 Key Manufacturers and Suppliers in Rest-of-Asia-Pacific
 - 2.2.5.4.2 Application
- 2.2.5.4.2.1 Rest-of-Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market (by End User, Satellite), Value Data

3 MARKET - COMPETITIVE BENCHMARKING & COMPANY PROFILES

3.1 Market Share Analysis

4 RESEARCH METHODOLOGY

4.1 Factors for Data Prediction and Modeling



List Of Figures

LIST OF FIGURES

Figure 1: Asia-Pacific Position, Navigation, and Timing (PNT) Solution (Satellite) Market, \$Billion, 2022-2033

Figure 2: Asia-Pacific Position, Navigation, and Timing (PNT) Solution (Ground) Market, \$Billion, 2022-2033

Figure 3: Asia-Pacific Position, Navigation, and Timing (PNT) Solution (GNSS Correction Services) Market, \$Billion, 2022-2033

Figure 4: Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market (by Application, Satellite), \$Million, 2023 and 2033

Figure 5: Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market (by End User, Satellite), \$Billion, 2023 and 2033

Figure 6: Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market (by End User, Ground), \$Billion, 2023 and 2033

Figure 7: Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market (by Component), \$Billion, 2023 and 2033

Figure 8: Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market-GNSS Correction Services (by Type), \$Million, 2023 and 2033

Figure 9: Position, Navigation, and Timing (PNT) Solution Market (by Region, Service), \$Million, 2033

Figure 10: Supply Chain Analysis of the Position, Navigation, and Timing (PNT) Solution Market

Figure 11: Position, Navigation, and Timing (PNT) Solution Market, Business Dynamics

Figure 12: Share of Key Business Strategies and Developments, January 2020-June 2023

Figure 13: Position, Navigation, and Timing (PNT) Solution Market: Market Share Analysis, 2022

Figure 14: Research Methodology

Figure 15: Top-Down and Bottom-Up Approach

Figure 16: Assumptions and Limitations



List Of Tables

LIST OF TABLES

- Table 1: Start-Up and Investment Landscape
- Table 2: Features of Global Satellite-Based Navigation Systems (GNSS) Constellations
- Table 3: New Product Launches, Developments, and Others, January 2020-May 2023
- Table 4: Partnerships, Collaborations, Agreements, Contracts and Others, January
- 2020- May 2023
- Table 5: Position, Navigation, and Timing (PNT) Solution Market (by Region, Satellite),
- \$Million, 2022-2033
- Table 6: Position, Navigation, and Timing (PNT) Solution Market (by Region, Ground),
- \$Billion, 2022-2033
- Table 7: Position, Navigation, and Timing (PNT) Solution Market (by Region, GNSS
- Correction Services), \$Million, 2022-2033
- Table 8: Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market (by End
- User, Satellite), \$Million, 2022-2033
- Table 9: Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market (by End
- User, Ground), \$Billion, 2022-2033
- Table 10: Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market (by
- Component), \$Billion, 2022-2033
- Table 11: Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market- GNSS
- Correction Services (by Type), \$Million, 2022-2033
- Table 12: China Position, Navigation, and Timing (PNT) Solution Market (by End User,
- Satellite), \$Million, 2022-2033
- Table 13: China Position, Navigation, and Timing (PNT) Solution Market (by End User,
- Ground), \$Billion, 2022-2033
- Table 14: India Position, Navigation, and Timing (PNT) Solution Market (by End User,
- Satellite), \$Million, 2022-2033
- Table 15: India Position, Navigation, and Timing (PNT) Solution Market (by End User,
- Ground), \$Billion, 2022-2033
- Table 16: Japan Position, Navigation, and Timing (PNT) Solution Market (by End User,
- Satellite), \$Million, 2022-2033
- Table 17: Japan Position, Navigation, and Timing (PNT) Solution Market (by End User,
- Ground), \$Million, 2022-2033
- Table 18: Rest-of-Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market
- (by End User, Satellite), \$Million, 2022-2033
- Table 19: Rest-of-Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market
- (by End User, Ground), \$Billion, 2022-2033



I would like to order

Product name: Asia-Pacific Position, Navigation, and Timing (PNT) Solution Market: Analysis and

Forecast, 2023-2033

Product link: https://marketpublishers.com/r/AA1E6DDDDF4CEN.html

Price: US\$ 2,950.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

Payment

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/AA1E6DDDDF4CEN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

