

Airport Navigational Aids Market by Technology [ILS, DME, VOR, NDB, Ground-Based Augmentation System (GBAS)/GLS, Visual Landing Aids (VLA), Tactical Air Navigation Systems (TACAN)], Deployment, End User, and Region – Global Forecast to 2031

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Abstracts

The global airport navigational aids market is estimated at USD 3.53 billion in 2026 and is projected to reach USD 4.41 billion by 2031 at a CAGR of 4.5% from 2026 to 2031. The market is expected to grow steadily during the forecast period due to rising investments in airport infrastructure plus air traffic management systems. Airport expansion projects are increasing across many countries, which is supporting demand for advanced navigation solutions. Modernization programs at existing airports are also contributing to market growth. One of the major trends in the market is replacing aging navigation equipment with newer systems to improve aircraft safety. Airports are making efforts to improve performance in low-visibility and adverse weather conditions. Aviation authorities are also investing in technologies that facilitate the management of increasing air traffic volumes.

“By end user, the vertiports & AAM landing facilities segment is projected to grow at the highest CAGR [SC1.1] during the forecast period.”

The segment is gaining momentum due to increasing investments in advanced air mobility (AAM) infrastructure and the development of urban air transportation networks. Growing deployment of eVTOL aircraft is creating demand for dedicated navigation and landing systems at vertiport facilities. Governments, airport operators, and mobility providers are also investing in next-generation aviation infrastructure to support future

air mobility operations.

“By distance measuring equipment (DME), the ILS/VOR associated DME segment is projected to grow [SC2.1]at the highest CAGR during the forecast period.”

The segment is witnessing higher adoption as airports upgrade navigation infrastructure to improve aircraft positioning and approach guidance. DME works with ILS plus very high frequency (VHF) omnidirectional range (VOR) systems to provide more accurate navigation. Growing airport modernization programs, along with the need for reliable navigation solutions, are supporting the growth of this segment.

“The Asia Pacific region captured the largest market share in 2025.”[SC3.1]

The Asia Pacific region held the largest share of the airport navigational aids market in 2025. The region benefits from a large airport network and high aircraft traffic across commercial aviation facilities. Airport operators continue upgrading navigation systems to improve flight safety. Aviation authorities are also investing in airport infrastructure modernization projects. Adoption of advanced navigational aid technologies remains high across the region. These developments are helping maintain strong market demand.

The breakdown of profiles for primary participants in the airport navigational aids market is provided below:

By Company Type: Tier 1 – 35%, Tier 2 – 45%, and Tier 3 – 20%

By Designation: C Level – 35%, Director Level – 25%, and Others – 40%

By Region: North America – 25%, Europe – 15%, Asia Pacific – 45%, Middle East – 10%, and Rest of the World (RoW) – 5%

Research Coverage:

This market study examines the airport navigational aids market across various segments and subsegments. It aims to estimate the market's size and growth potential in different regions. The study also provides a detailed competitive analysis of key market players, including their company profiles, product offerings, recent developments, and strategic market initiatives.

Reasons to buy this report:

The report will assist market leaders and new entrants with estimates of the revenue figures for the overall airport navigational aids market. It will also enable stakeholders to understand the competitive landscape better and gain insights to position their businesses more effectively and develop appropriate go-to-market strategies. Additionally, the report will help stakeholders understand the market dynamics and provide information on key market drivers, restraints, challenges, and opportunities.

The report provides insights into the following pointers:

Market Drivers (increase in low-visibility operations as a quantified demand mechanism for airport navigation aids), restraints (limited capital availability and infrastructure funding constraints at regional airports hampering the growth of airport navigational aids), opportunities (expansion of GNSS-based navigation systems leading to opportunities for growth), challenges (cybersecurity escalation in airport navigational aids and navigation systems)

Market Penetration: Comprehensive information on the airport navigational aids market offered by the top players in the market

Product Development/Innovation: Detailed insights into upcoming technologies, research & development activities, and product launches in the airport navigational aids market

Market Development: Comprehensive information about lucrative markets across varied regions

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the airport navigational aids market

Competitive Assessment: In-depth assessment of market share, growth strategies, products, and manufacturing capabilities of leading players in the airport navigational aids market

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