

Urban Planning Software and Services Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 – 2034

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Abstracts

The Global Urban Planning Software And Services Market was valued at USD 161.3 billion in 2024 and is projected to grow at a CAGR of 6.5% from 2025 to 2034, driven by the increasing adoption of smart city initiatives worldwide. As urbanization accelerates, cities are under immense pressure to optimize land use, manage resources efficiently, and enhance sustainability. Urban planning software is becoming a critical tool for handling complex datasets, streamlining decision-making, and ensuring long-term urban resilience. Governments and urban planners are investing heavily in technology-driven solutions that integrate artificial intelligence (AI), the Internet of Things (IoT), and big data analytics to manage infrastructure, public services, and environmental concerns more effectively.

These tools allow city administrators to simulate real-world scenarios, mitigate risks, and create more livable urban environments. The growing emphasis on carbon neutrality, smart mobility, and green infrastructure is further fueling the demand for advanced urban planning solutions. Additionally, increasing regulatory support for sustainable urbanization and the integration of Geographic Information Systems (GIS) in urban planning processes are enhancing the overall efficiency of city development projects. With a rising global focus on intelligent city management, urban planning software is poised to become indispensable in shaping the future of modern urban landscapes.

The market is primarily divided into software and services. In 2024, the software segment held a dominant 65% market share and is projected to generate USD 150 billion by 2034. The demand for urban planning software is accelerating due to the increasing reliance on 3D modeling, GIS integration, and real-time analytics. These

advanced tools provide a dynamic visualization of urban spaces, enabling planners to assess spatial relationships, optimize infrastructure development, and allocate resources more efficiently. By simulating urban growth patterns, disaster response scenarios, and environmental impacts, these software solutions enhance precision in urban development strategies.

Government agencies, urban planners, architects, real estate developers, and utility providers are the key end-users of urban planning software and services. In 2024, government agencies accounted for a substantial 31% market share. With urban areas undergoing rapid transformation, authorities are prioritizing smart city strategies to enhance resource efficiency, sustainability, and overall livability. IoT-powered urban planning tools integrated with robust analytics are proving essential in tackling challenges such as traffic congestion, waste management, and energy consumption. By deploying AI-driven systems, governments can monitor urban growth patterns, assess infrastructure needs, and implement real-time policy interventions. Public-sector investments in smart grids, intelligent transportation networks, and automated urban planning frameworks are significantly contributing to market expansion.

North America held a leading 35% market share in 2024, with the United States playing a key role in driving regional growth. The country's focus on reducing carbon emissions, advancing sustainability, and fostering intelligent urban environments has led to increased adoption of urban planning solutions. Advanced software tools are facilitating the development of energy-efficient buildings, optimized waste management systems, and sustainable transportation models. The integration of AI, IoT, and big data analytics is further strengthening the ability of city planners to design smarter, more resilient urban infrastructures. As cities across the region intensify efforts to meet sustainability targets and improve quality of life, the demand for innovative urban planning solutions is expected to surge in the coming years.

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