

Smart Cities Market by Focus Area, Smart Transportation, Smart Buildings, Smart Utilities, Smart Citizen Services (Public Safety, Smart Healthcare, Smart Education, Smart Street Lighting, and E-Governance) and Region - Global Forecast to 2028

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Abstracts

The smart cities market is estimated to be USD 549.1 billion to USD 1,114.4 billion at a CAGR of 15.2% from 2023 to 2028. The proliferation of high-speed internet connectivity and mobile devices facilitates the adoption of smart city technologies and enables seamless communication between various systems and devices.

By smart utility solution, distribution management registers higher CAGR during the forecast period.

Adopting efficient demand response management (DRM) systems heavily influences utility distribution management in the utilities sector. These DRM systems empower utilities to effectively implement Demand Response (DR) programs across various commercial, industrial, and residential sectors. The surge in smart grid implementations is pivotal in driving utility industry advancements. This surge has led to the widespread integration of advanced metering infrastructure meters, improved customer utility management systems, transmission and distribution infrastructure automation, and greater incorporation of renewable energy sources. As a result, the smart grid rollout emerges as a key driver propelling growth within the utilities sector.

Additionally, the advent of automated Demand Response (DR) systems has further bolstered market expansion. The allure of cost-effective solutions such as Software-as-a-Service (SaaS) and the adoption of cloud-based DRM deployment models present significant growth opportunities for the market. These factors collectively contribute to

the upward trajectory of the distribution management segment within the smart cities market.

“By smart building solution, security and emergency management to account for largest market share in the smart cities market during the forecast period.”

In urban environments, unforeseen events such as natural disasters, terrorist threats, and criminal activities pose significant challenges. To mitigate the impact of these emergencies, cities require robust emergency management systems capable of swift and efficient response protocols. Within this context, effective security infrastructure management plays a crucial role in overseeing the security operations of various facilities. Advanced computerized emergency management systems have emerged as invaluable tools for authorities and administrators navigating emergencies. These systems are designed to seamlessly coordinate every aspect of the emergency response process, from initial incident logging to disseminating vital information to relevant personnel. By providing real-time updates on the nature and scale of emergencies, these solutions enable authorities to mount rapid and targeted responses, minimizing potential damages and ensuring public safety.

Key global players in this domain, such as Schneider Electric and ABB, are at the forefront of developing innovative solutions tailored to the evolving needs of modern urban environments. Through their expertise and technological advancements, these vendors contribute significantly to enhancing the resilience and security of cities worldwide.

‘Asia Pacific will register the highest growth rate during the forecast period.’

The Asia Pacific region is set to undergo significant growth opportunities in the coming years, with countries like India, China, Japan, Australia, and New Zealand expected to experience high growth rates. Asia Pacific is propelled by significant technological strides witnessed throughout the region. China, notably, stands poised to lead the charge in adopting smart city solutions. Factors such as a burgeoning population and ongoing developments in infrastructure and technology form the bedrock of this market's expansion in the region. The smart city landscape has evolved markedly, with cutting-edge innovations like robotics and big data analytics gaining prominence. The Asia Pacific has recently facilitated collaborative endeavors centered around low-carbon models and IoT-driven smart city frameworks, garnering invaluable insights that promise knowledge-sharing among member economies. The overarching commitment of the region towards advancing smart city initiatives presents a fertile ground for providers to

capitalize on the burgeoning market opportunities.

Breakdown of primaries

The study contains insights from various industry experts, from solution vendors to Tier 1 companies. The break-up of the primaries is as follows:

By Company Type: Tier 1 – 62%, Tier 2 – 23%, and Tier 3 – 15%

By Designation: C-level –38%, D-level – 30%, and Others – 32%

By Region: North America – 40%, Europe – 15%, Asia Pacific – 35%, Middle East & Africa- 5%, Latin America-5%

The major players in the smart cities market are Cisco (US), IBM (US), Siemens (Germany), Microsoft (US), Hitachi (Japan), Schneider Electric (France), Huawei (China), Intel (US), NEC (Japan), ABB (Switzerland), Ericsson (Sweden), Oracle (US), Fujitsu (Japan), Honeywell (US), Accenture (Ireland), Vodafone (UK), AWS (US), Thales (France), Signify (Netherlands), Kapsch (Austria), Motorola (US), GE (US), Google (US), TCS (India), AT&T (US), Nokia (Finland), Samsung (South Korea), SAP (Germany), TomTom (Netherlands), AppyWay (UK), Ketos (US), Gaia (India), TaKaDu (Israel), FlamencoTech (India), XENIUS (India), Bright Cities (Brazil), Maydtech (Mexico), Zencity (Israel), Itron (US), and IXDen (Israel). These players have adopted various growth strategies, such as partnerships, agreements and collaborations, new product launches, product enhancements, and acquisitions to expand their footprint in the smart cities market.

Research Coverage

The study covers the smart cities market size across different segments. It aims to estimate the market size and the growth potential across different segments, including focus areas, smart transportation, smart building, smart utility, smart citizen service, and region. The study includes an in-depth competitive analysis of the leading market players, their company profiles, key observations related to product and business offerings, recent developments, and market strategies.

Key Benefits of Buying the Report

The report will help the market leaders/new entrants with information on the closest approximations of the global smart cities market's revenue numbers and subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. Moreover, the report will provide insights for stakeholders to understand the market's pulse and provide them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (artificial intelligence and machine learning to accelerate development of smart cities, growing urbanization to drive adoption of smart city solutions, need for efficient management and utilization of resources, demand for fast and efficient transport, public safety concerns to accelerate smart city adoption), restraints (privacy and security concerns, high cost of implementation), opportunities (advancements in AI, cloud, IoT, and analytics technologies, rise of 5G, use of drones to enforce compliance during pandemics) and challenges (crafting Future-Ready Smart Cities for Sustainable Urban Living, Absence of appropriate infrastructure in emerging economies, Lack of knowledge among people about smart cities, Disruption in logistics and supply chains) influencing the growth of the smart cities market. Product Development/Innovation: Detailed insights on upcoming technologies, research and development activities, and new product and service launches in the smart cities market. Market Development: Comprehensive information about lucrative markets – the report analyses the smart cities market across various regions. Market Diversification: Exhaustive information about new products and services, untapped geographies, recent developments, and investments in the smart cities market. Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like Cisco (US), IBM (US), Siemens (Germany), Microsoft (US), Hitachi (Japan), Schneider Electric (France), Huawei (China), Intel (US), NEC (Japan), ABB (Switzerland), Ericsson (Sweden), Oracle (US), Fujitsu (Japan), Honeywell (US), Accenture (Ireland), Vodafone (UK), AWS (US), Thales (France), Signify (Netherlands), Kapsch (Austria), Motorola (US), GE (US), Google (US), TCS (India), AT&T (US), Nokia (Finland), Samsung (South Korea), SAP (Germany), TomTom (Netherlands), AppyWay (UK), Ketos (US), Gaia (India), TaKaDu (Israel), FlamencoTech (India), XENIUS (India), Bright Cities (Brazil), Maydtech (Mexico), Zencity (Israel), Itron (US), and IXDen (Israel).

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11.4.7.1 Government's Smart Cities Plan to improve investment performance and enhance sustainability

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11.4.8.1 Rapid urbanization and need for digital technologies to provide smart infrastructure and services

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*Details on Business Overview, Products/Solutions/Services offered, Recent Developments, MnM View might not be captured in case of unlisted companies.

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