

## Smart Cities Market by Application (Smart Utilities, Smart Transportation, Water Management, Waste Management, Smart Healthcare, Smart Lighting, Smart Education), Component (Hardware, Software, and Services), and Geography - Global Forecast to 2027

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## Abstracts

Smart Cities Market by Application (Smart Utilities, Smart Transportation, Water Management, Waste Management, Smart Healthcare, Smart Lighting, Smart Education), Component (Hardware, Software, and Services), and Geography- Global Forecast To 2027

The smart cities market is expected to grow at a CAGR of 22.9% from 2019 to reach \$545.7 billion by 2027.

The global smart cities market is expected to witness significant growth in the upcoming years due to growing government initiatives for overpopulation and urbanization management and growing requirement of resource management for sustainable development. Moreover, the factors such as rise in adoption of IoT and its market application, 5G connectivity, and increasing adoption of connected vehicles & autonomous drones further support the growth of the smart cities market.

The overall smart cities market is primarily segmented by application (smart transportation, smart utilities, smart education, smart healthcare, smart public safety, governance, smart lighting solutions, and smart building), component (hardware, software, and services), and by geography.

Based on the component, the hardware segment commanded the largest share of the overall smart cities market. However, the services segment is anticipated to grow with



the highest growth rate in the overall smart cities market during the forecast period. The high growth of smart city services is attributed to the consistent growth in the processes such as installation, maintenance, and up-keeping of smart city hardware and software in the coming years.

Based on the application, smart education market is slated to grow at the fastest CAGR during the forecast period. This is attributed to the proliferation of connected devices in education sector, adoption of e-learning solutions, growing use of artificial intelligence, and adoption of machine learning. Moreover, growing emphasis on e-learning and digital technologies such as learning management systems is also further expected to support the fastest growth of the smart education sector in the coming years.

An in-depth analysis of the geographic scenario of the market provides detailed qualitative and quantitative insights about the five regions including North America, Europe, Asia Pacific, Latin America, and the Middle East and Africa. In 2019, North America commanded the largest share of the global smart cities market, followed by Europe, Asia-Pacific, Latin America, and the Middle East & Africa. The large share of this region is mainly attributed to the fast-developing advanced communication infrastructure, stringent measures for public safety and data privacy, growing focus on reducing carbon footprints using innovative ICT technologies, and prioritizing the development of smart cities by many local and national government authorities. Furthermore, the government initiatives for overpopulation and urbanization management have boosted the overall smart cities market in the region.

Some of the key players operating in the global smart cities market are CISCO Systems Inc. (U.S.), Huawei Technologies (China), IBM Corporation (U.S.), ATOS SE (France), Foxconn Electronics, Inc. (Taiwan), Robert Bosch GmbH (Germany), General Electric Company (U.S.), SIEMENS AG (Germany), L&T Infotech (India), Cognizant (U.S.), Capgemini (France), Schneider Electric SE (France), INTEL Corporation (U.S.), Qualcomm Technologies, Inc. (U.S.), and Fujitsu Ltd. (Japan), among others.

Scope of the Report:

Smart Cities Market, by Application

Smart Transportation

Parking Management



#### **Ticketing & Travel Management**

Traffic Management

Passenger information management system

Freight information system

**Smart Utilities** 

Energy management

**Smart Meters** 

Meter Data Management

**PV Monitoring** 

Smart Grid

**Power electronics** 

**Energy Storage** 

Water Management

Waste Management

**Distribution Management** 

**Smart Education** 

Smart Healthcare

**Connected Healthcare Solutions** 

Telemedicine

Smart Public Safety



Surveillance

**Command & Control Solutions** 

#### Smart Governance

**E-Governance Solutions** 

**Emergency Management** 

Law Enforcement

City Planning

**Smart Lighting Solutions** 

Smart Building

Lighting Control Systems

**Energy Management Systems** 

Facility Management Systems

Smart Cities Market, by Component

Hardware

Software

Services

Smart Cities Market, by Geography

North America



U.S.

Canada

Europe

U.K.

Germany

France

Italy

Spain

Rest of Europe

Asia-Pacific

China

India

Japan

Singapore

Rest of Asia-Pacific

Latin America

Middle East & Africa



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