

# Smart Cities Market Analysis Report By Application (Governance, Buildings, Utilities, Transportation, Healthcare, Environmental Solution), By Region, And Segment Forecasts, 2019 - 2025

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## Abstracts

The global smart cities market is expected to reach USD 237.6 billion by 2025, expanding at a CAGR of 18.9% from 2019 to 2025, according to a new study conducted by Grand View Research, Inc. Smart cities encapsulate an overwhelming number and variety of domains and application areas that are enhanced with technological advancements and their effective use to provide services to people. Be it a major tourism hub or a small community striving to become sustainable, smart city solutions have found their way in diverse areas of urban lifestyle. Demand for city solutions is anticipated to be on the rise, owing to a number of factors such as growing urban population and need to better manage limited natural resources and environmental sustainability. Rapid urbanization, aging infrastructure, and adoption of new technology, coupled with need for improved quality of life, are also driving the industry.

The market presents a diverse set of advantages, such as efficient mobility, enhanced buildings and homes, optimum energy utilization, and better administrative services. Growing adoption of novel technologies that complement management of cities of the future is also a major catalyst in industry growth. The market also stands to benefit from initiatives taken by national and regional governments, residents, and local businesses to implement projects and tend toward cities' problems.

The smart cities market encompasses myriad sectors such as healthcare, transport, water, assisted living, security, and energy and their implementation varies from city to city due to technological penetration in a specified region. The high amount of initial financial investments, need for consolidation of different departments and sectors, and

lack of a systemic approach may have a negative impact on industry growth. Yet, the market is anticipated to grow at a rapid rate in the coming years, driven by industries' renewed interest, availability of technology, and all-inclusive participation of industry stakeholders.

Further key findings from the study suggest:

Communication infrastructure and web-based services are anticipated to play a major role in the industry's stride toward global adoption. Inevitable consolidation of services, infrastructure, data, and sensors will help in the creation of truly smart cities of the future

Major hindrances in the adoption and implementation of these technologies include concerns regarding privacy and security of data

Attempts have also been made at developing consortiums to support and standardize the smart city market. However, this has been limited to certain regions and application areas due to lack of a systemic approach

The industry is witnessing different forms of investment scenarios, such as Build Operate Transfer (BOT), Build Operate Manage (BOM), and Build Operate Own (BOO), which are gaining traction as major financial funding measures for smart cities. The BOM model for investment and management is gaining popularity due to ease of operation and a combined control over infrastructure that it offers to interested parties

Key industry participants include ABB Limited; Accenture; Cisco Systems, Inc.; Schneider Electric SE; Siemens AG; IBM Corporation; and Microsoft Corporation. Other prominent players include Hitachi, Ltd.; Honeywell International Inc.; Intel Corporation; Oracle Corporation; and Huawei Technologies Co. Ltd. The industry is marked with growing number of collaborations between governments and companies to develop and implement pilot projects.

## Contents

### **CHAPTER 1 METHODOLOGY AND SCOPE**

- 1.1 Research Methodology
- 1.2 Research Scope and Assumptions
- 1.3 List of Data Sources

### **CHAPTER 2 EXECUTIVE SUMMARY**

- 2.1 Smart Cities Market - Industry Snapshot & Key Buying Criteria, 2016 - 2025
- 2.2 Smart Cities Market, 2016 - 2025

### **CHAPTER 3 SMART CITIES INDUSTRY OUTLOOK**

- 3.1 Market Size and Growth Prospects
- 3.2 Smart Cities - Value Chain Analysis
  - 3.2.1 Vendor landscape
- 3.3 Smart Cities Market Dynamics
  - 3.3.1 Market driver analysis
    - 3.3.1.1 Government initiatives
    - 3.3.1.2 Rapid urbanization and ageing infrastructure
    - 3.3.1.3 Growing focus on environmental sustainability
  - 3.3.2 Market restraint analysis
    - 3.3.2.1 High initial costs
- 3.4 Penetration and Growth Prospect Mapping
- 3.5 Smart Cities - Porter's Five Forces Analysis
- 3.6 Smart Cities - PESTEL Analysis
- 3.7 Smart Cities - Regional Maturity Analysis
  - 3.7.1 Regional Focal Areas

### **CHAPTER 4 SMART CITIES GOVERNANCE & FINANCIAL FUNDING MODEL OUTLOOK**

- 4.1 Smart Cities Governance Models: Global Overview
- 4.2 Smart Cities Funding Models: Global Overview
  - 4.2.1 North America
  - 4.2.2 Europe
  - 4.2.3 Asia Pacific

- 4.2.4 Latin America
- 4.2.5 Middle East & Africa

## **CHAPTER 5 SMART CITIES APPLICATION OUTLOOK**

- 5.1 Smart Cities Market Share By Application, 2018 & 2025
- 5.2 Smart Governance
  - 5.2.1 Smart governance market, 2016 - 2025
- 5.3 Smart Building
  - 5.3.1 Smart building market, 2016 - 2025
- 5.4 Environmental Solution
  - 5.4.1 Environmental solution market, 2016 - 2025
- 5.5 Smart Utilities
  - 5.5.1 Smart utilities are market, 2016 - 2025
- 5.6 Smart Transportation
  - 5.6.1 Smart transportation market, 2016 - 2025
- 5.7 Smart Healthcare
  - 5.7.1 Smart healthcare market, 2016 - 2025

## **CHAPTER 6 SMART CITIES REGIONAL OUTLOOK**

- 6.1 Smart Cities Market Share By Region, 2018 & 2025
- 6.2 North America
  - 6.2.1 North America smart cities market, 2016 - 2025
  - 6.2.2 North America smart cities market, by application, 2016 - 2025
  - 6.2.3 U.S.
    - 6.2.3.1 U.S. smart cities market, by application, 2016 - 2025
  - 6.2.4 Canada
    - 6.2.4.1 Canada smart cities market, by application, 2016 - 2025
- 6.3 Europe
  - 6.3.1 Europe smart cities market, 2016 - 2025
  - 6.3.2 Europe smart cities market, by application, 2016 - 2025
  - 6.3.3 U.K.
    - 6.3.3.1 U.K. smart cities market, by application, 2016 - 2025
  - 6.3.4 Germany
    - 6.3.4.1 Germany smart cities market, by application, 2016 - 2025
  - 6.3.5 Nordic Region
    - 6.3.5.1 Nordic Region smart cities market, by application, 2016 - 2025
  - 6.3.6 Eastern Europe

6.3.6.1 Eastern Europe smart cities market, by application, 2016 - 2025

## 6.4 Asia Pacific

6.4.1 Asia Pacific smart cities market, 2016 - 2025

6.4.2 Asia Pacific smart cities market, by application, 2016 - 2025

### 6.4.3 China

6.4.3.1 China smart cities market, by application, 2016 - 2025

### 6.4.4 India

6.4.4.1 India smart cities market, by application, 2016 - 2025

### 6.4.5 Japan

6.4.5.1 Japan smart cities market, by application, 2016 - 2025

### 6.4.6 Australia

6.4.6.1 Australia smart cities market, by application, 2016 - 2025

### 6.4.7 ASEAN

6.4.7.1 ASEAN smart cities market, by application, 2016 - 2025

## 6.5 South America

6.5.1 South America smart cities market, 2016 - 2025

6.5.2 South America smart cities market, by application, 2016 - 2025

### 6.2.3 Brazil

6.2.3.1 Brazil smart cities market, by application, 2016 - 2025

### 6.2.4 Mexico

6.2.4.1 Mexico smart cities market, by application, 2016 - 2025

## 6.6 MEA

6.6.1 MEA smart cities market, 2016 - 2025

6.6.2 MEA MEA smart cities market, by application, 2016 - 2025

## **CHAPTER 7 COMPETITIVE LANDSCAPE**

### 7.1 ABB Limited

7.1.1 Company overview

7.1.2 Financial performance

7.1.3 Product benchmarking

7.1.4 Strategic initiatives

### 7.2 General Electric Company

7.2.1 Company overview

7.2.2 Financial performance

7.2.3 Product benchmarking

7.2.4 Strategic initiatives

### 7.3 Honeywell International Inc.

7.3.1 Company overview

- 7.3.2 Financial performance
- 7.3.3 Product benchmarking
- 7.3.4 Strategic initiatives
- 7.4 IBM Corporation
  - 7.4.1 Company overview
  - 7.4.2 Financial performance
  - 7.4.3 Product benchmarking
  - 7.4.4 Strategic initiatives
- 7.5 Cisco Systems Inc.
  - 7.5.1 Company overview
  - 7.5.2 Financial performance
  - 7.5.3 Product benchmarking
  - 7.5.4 Strategic initiatives
- 7.6 Huawei Technologies Co. Ltd.
  - 7.6.1 Company overview
  - 7.6.2 Financial performance
  - 7.6.3 Product benchmarking
  - 7.6.4 Strategic initiatives
- 7.7 Microsoft Corporation
  - 7.7.1 Company overview
  - 7.7.2 Financial performance
  - 7.7.3 Product benchmarking
  - 7.7.4 Strategic initiatives
- 7.8 Schneider Electric SE
  - 7.8.1 Company overview
  - 7.8.2 Financial performance
  - 7.8.3 Product benchmarking
  - 7.8.4 Strategic initiatives
- 7.9 Siemens AG
  - 7.9.1 Company overview
  - 7.9.2 Financial performance
  - 7.9.3 Product benchmarking
  - 7.9.4 Strategic initiatives

## List Of Tables

### LIST OF TABLES

- TABLE 1 Smart cities market - Industry snapshot & key buying criteria, 2016 - 2025
- TABLE 2 Smart cities market, 2016 - 2025 (USD Million)
- TABLE 3 Smart cities market, by region, 2016 - 2025 (USD Million)
- TABLE 4 Smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 5 Vendor landscape
- TABLE 6 Smart cities-Key market driver impact
- TABLE 7 Smart cities-Key market restraint impact
- TABLE 8 Smart cities application market, 2016 - 2025 (USD Million)
- TABLE 9 Smart cities application market, by region, 2016 - 2025 (USD Million)
- TABLE 10 Smart governance market, 2016 - 2025 (USD Million)
- TABLE 11 Smart governance market, by region, 2016 - 2025 (USD Million)
- TABLE 12 Smart building market, 2016 - 2025 (USD Million)
- TABLE 13 Smart building market, by region, 2016 - 2025 (USD Million)
- TABLE 14 Environmental solution market, 2016 - 2025 (USD Million)
- TABLE 15 Environmental solution market, by region, 2016 - 2025 (USD Million)
- TABLE 16 Smart utilities market, 2016 - 2025 (USD Million)
- TABLE 17 Smart utilities market, by region, 2016 - 2025 (USD Million)
- TABLE 18 Smart transportation market, 2016 - 2025 (USD Million)
- TABLE 19 Smart transportation market, by region, 2016 - 2025 (USD Million)
- TABLE 20 Smart healthcare market, 2016 - 2025 (USD Million)
- TABLE 21 Smart healthcare market, by region, 2016 - 2025 (USD Million)
- TABLE 22 North America smart cities market, 2016 - 2025 (USD Million)
- TABLE 23 North America smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 24 U.S. smart cities market, 2016 - 2025 (USD Million)
- TABLE 25 U.S. smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 26 Canada smart cities market, 2016 - 2025 (USD Million)
- TABLE 27 Canada smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 28 Europe smart cities market, 2016 - 2025 (USD Million)
- TABLE 29 Europe smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 30 U.K. smart cities market, 2016 - 2025 (USD Million)
- TABLE 31 U.K. smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 32 Germany smart cities market, 2016 - 2025 (USD Million)
- TABLE 33 Germany smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 34 Nordic Region smart cities market, 2016 - 2025 (USD Million)
- TABLE 35 Nordic Region smart cities market, by application, 2016 - 2025 (USD Million)



- TABLE 36 Eastern Europe smart cities market, 2016 - 2025 (USD Million)
- TABLE 37 Eastern Europe smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 38 Asia Pacific smart cities market, 2016 - 2025 (USD Million)
- TABLE 39 Asia Pacific smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 40 China smart cities market, 2016 - 2025 (USD Million)
- TABLE 41 China smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 42 Japan smart cities market, 2016 - 2025 (USD Million)
- TABLE 43 Japan smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 44 India smart cities market, 2016 - 2025 (USD Million)
- TABLE 45 India smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 46 Australia smart cities market, 2016 - 2025 (USD Million)
- TABLE 47 Australia smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 48 ASEAN smart cities market, 2016 - 2025 (USD Million)
- TABLE 49 ASEAN smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 50 Latin America smart cities market, 2016 - 2025 (USD Million)
- TABLE 51 Latin America smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 52 Brazil smart cities market, 2016 - 2025 (USD Million)
- TABLE 53 Brazil smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 54 Mexico smart cities market, 2016 - 2025 (USD Million)
- TABLE 55 Mexico smart cities market, by application, 2016 - 2025 (USD Million)
- TABLE 56 MEA smart cities market, 2016 - 2025 (USD Million)
- TABLE 57 MEA smart cities market, by application, 2016 - 2025 (USD Million)



## List Of Figures

### LIST OF FIGURES

- FIG. 1 Market segmentation and scope
- FIG. 2 Global smart cities market, 2016 - 2025 (USD Million)
- FIG. 3 Smart cities - Value chain analysis
- FIG. 4 Smart cities market dynamics
- FIG. 5 Growing urban population, (in Million)
- FIG. 6 Sustainable investments across regions (USD Million)
- FIG. 7 IoT investments across domains (USD Million)
- FIG. 8 Smart cities - Company ranking analysis, 2016
- FIG. 9 Key opportunities prioritized
- FIG. 10 Smart cities market - Porter's five forces analysis
- FIG. 11 Smart cities market - PESTEL analysis
- FIG. 12 Smart cities market, by governance and funding model, 2018 & 2025
- FIG. 13 Smart cities market, by application, 2018 & 2025
- FIG. 14 Smart cities market, by region, 2018 & 2025
- FIG. 15 Regional market place - Key takeaways
- FIG. 16 North America smart cities market - Key takeaways
- FIG. 17 Europe smart cities market - Key takeaways
- FIG. 18 Asia Pacific smart cities market - Key takeaways
- FIG. 19 Latin America smart cities market - Key takeaways
- FIG. 20 MEA smart cities market - Key takeaways

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