

# **Smart Cities Market – Global Industry Size, Share, Trends, Opportunity and Forecast, 2018-2028 By Smart Utilities (Water Management, Waste Management, Energy Management), By Smart Governance (Smart Lighting, Smart Infrastructure, City Surveillance), By Smart Transportation (Intelligent Transportation Systems, Parking Management, Smart Ticketing & Travel Assistance), By Smart Citizens Service (Smart Healthcare, Smart Education, Smart Public Safety, Smart Street Lighting, Others) By Region, By Competition**

<https://marketpublishers.com/r/SBBD53BD7DE1EN.html>

Date: June 2023

Pages: 117

Price: US\$ 4,900.00 (Single User License)

ID: SBBD53BD7DE1EN

## **Abstracts**

The Global Smart Cities Market is anticipated to register a high CAGR during the forecast period.

Smart cities are technologically advanced metropolitan areas that utilize various smart electrical techniques and smart sensors to gather certain data. The knowledge gathered from that data is utilized to manage resources, services, and assets effectively. It is also used to enhance operations throughout the city. To monitor and control traffic and transportation systems, power plants, utilities, water supply networks, waste, criminal investigations, information systems, schools, libraries, hospitals, and other community services, data is processed and analyzed from information gathered from participants, devices, buildings, and assets. Smart cities are those that employ technology effectively in their planning, monitoring, and administration of the city. Data sharing in smart cities extends beyond the boundaries of the city to businesses and residents that stand to

gain from the data's numerous applications. Sharing data across various systems and industries opens up possibilities for better knowledge and financial benefit.

### Advancements in Technologies

Emerging technologies such as AI, ML, cloud data analytics, IoT, and cybersecurity have advanced quickly in recent years. A better connection has been made possible by the increasing usage of these technologies in the context of smart cities, completely transforming the ecosystem. The system may gather data from many sources with the aid of IoT devices and then share it with a central control point by utilizing the cloud. Such cutting-edge technologies are applied in a variety of contexts, including security, privacy, and environmental sustainability, in addition to enhancing the lives of residents. For instance, a Mexican city employs technological improvements to manage connected devices effectively in real-time, using an IoT platform called a control center.

### Advanced Learning & Intelligence responsible for Smart Cities Advancement

Machine learning and artificial intelligence are enabling self-sufficient and futuristic systems, companies, and individuals in smart cities. These technologies gather enormous quantities of data to modernize the systems and parts that power cities and enable them to make wise judgments with minimal human input. Building smart cities require the use of artificial intelligence and machine learning algorithms, which are already essential components of many sectors. The deployment of machine learning-powered, AI-enabled intelligent equipment generates cyber-physical space, which includes smart meters, traffic sensors, medical monitoring systems, industrial control systems, video cameras, and environmental sensors. Machine-generated data aids in predictive analysis and decision-making for the design of smart cities.

### Government Initiatives

Through their legislation and programs aimed at the deployment of smart services as a significant component of their infrastructure, governments throughout the world have been playing a significant role in the smart cities business. As an illustration, the General Services Administration's (GSA) Smart Buildings programs, launched in May 2012, intended to decline the costs and promote smart services with updated federal government buildings that were mostly enabled by linked technology. Similarly to this, the European smart cities sector is anticipated to expand rapidly due to its emphasis on energy and climate goals. As a result, the government is concentrating on the distribution of energy using effective models and policies to move closer to a low-carbon

future. Additionally, governments of many countries, for instance, China, South Korea, UAE, India, Singapore, and Japan, seek the economic growth of their countries. Furthermore, China has planned 500 pilot projects for digital cities, another significant government investment in the area. In addition, Dubai's desire to fulfill the Smart Dubai Plan 2021 aim of becoming a 100% paperless government has accelerated the adoption of smart services in the region, which is fueling the expansion of the smart cities industry.

## Market Segmentation

The Global Smart Cities Market is divided into smart utilities, smart governance, and smart transportation. Based on smart utilities, the market is divided into water management, waste management, and energy management. Based on smart governance, the market is segmented into smart lighting, smart infrastructure, and city surveillance. Based on smart transportation, the market is divided into intelligent transportation systems, parking management, smart ticketing & travel assistance. Based on smart citizens' service, the market is segmented into smart healthcare, smart education, smart public safety, smart street lighting, and others.

## Market Players

Major market players in the Global Smart Cities Market are ABB Limited, AGT International, AVEVA Group plc, Cisco Systems Inc, Honeywell International Inc, International Business Machines Corporation, Itron Inc, Kapsch Group, Huawei Technologies Co Ltd, Microsoft Corporation, Oracle Corporation, Osram GmbH, SAP SE, Schneider Electric SE, Siemens AG, Telensa, and Verizon.

## Report Scope:

In this report, the Global Smart Cities Market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

### Global Smart Cities Market, By Smart Utilities:

Water Management

Waste Management

Energy Management

Global Smart Cities Market, By Smart Governance:

Smart Lighting

Smart Infrastructure

City Surveillance

Global Smart Cities Market, By Smart Transportation:

Intelligent Transportation Systems

Parking Management

Smart Ticketing & Travel Assistance

Global Smart Cities Market, By Smart Citizens Service:

Smart Healthcare

Smart Education

Smart Public Safety

Smart Street Lighting

Others

Global Smart Cities Market, By Region:

Asia-Pacific

North America

Europe

Middle East & Africa

## South America

### Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Smart Cities Market.

### Available Customizations:

With the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

### Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### 1. PRODUCT OVERVIEW

### 2. RESEARCH METHODOLOGY

### 3. IMPACT OF COVID-19 ON THE GLOBAL SMART CITIES MARKET

### 4. EXECUTIVE SUMMARY

### 5. VOICE OF CUSTOMERS

### 6. GLOBAL SMART CITIES MARKET OUTLOOK

#### 6.1. Market Size & Forecast

##### 6.1.1. By Value

#### 6.2. Market Share & Forecast

##### 6.2.1. By Smart Utilities (Water Management, Waste Management and Energy Management)

##### 6.2.2. By Smart Governance (Smart Lighting, Smart Infrastructure, and City Surveillance)

##### 6.2.3. By Smart Transportation (Intelligent Transportation Systems, Parking Management, Smart Ticketing & Travel Assistance)

##### 6.2.4. By Smart Citizens Service (Smart Healthcare, Smart Education, Smart Public Safety, Smart Street Lighting, Others)

##### 6.2.5. By Region

##### 6.2.6. By Company (2022)

### 7. ASIA-PACIFIC SMART CITIES MARKET OUTLOOK

#### 7.1. Market Size & Forecast

##### 7.1.1. By Value

#### 7.2. Market Share & Forecast

##### 7.2.1. By Smart Utilities

##### 7.2.2. By Smart Governance

##### 7.2.3. By Smart Transportation

##### 7.2.4. By Smart Citizens Service

##### 7.2.5. By Country

#### 7.3. Asia-Pacific: Country Analysis

- 7.3.1. China Smart Cities Market Outlook
  - 7.3.1.1. Market Size & Forecast
    - 7.3.1.1.1. By Value
  - 7.3.1.2. Market Share & Forecast
    - 7.3.1.2.1. By Smart Utilities
    - 7.3.1.2.2. By Smart Governance
    - 7.3.1.2.3. By Smart Transportation
    - 7.3.1.2.4. By Smart Citizens Service
- 7.3.2. Japan Smart Cities Market Outlook
  - 7.3.2.1. Market Size & Forecast
    - 7.3.2.1.1. By Value
  - 7.3.2.2. Market Share & Forecast
    - 7.3.2.2.1. By Smart Utilities
    - 7.3.2.2.2. By Smart Governance
    - 7.3.2.2.3. By Smart Transportation
    - 7.3.2.2.4. By Smart Citizens Service
- 7.3.3. India Smart Cities Market Outlook
  - 7.3.3.1. Market Size & Forecast
    - 7.3.3.1.1. By Value
  - 7.3.3.2. Market Share & Forecast
    - 7.3.3.2.1. By Smart Utilities
    - 7.3.3.2.2. By Smart Governance
    - 7.3.3.2.3. By Smart Transportation
    - 7.3.3.2.4. By Smart Citizens Service
- 7.3.4. South Korea Smart Cities Market Outlook
  - 7.3.4.1. Market Size & Forecast
    - 7.3.4.1.1. By Value
  - 7.3.4.2. Market Share & Forecast
    - 7.3.4.2.1. By Smart Utilities
    - 7.3.4.2.2. By Smart Governance
    - 7.3.4.2.3. By Smart Transportation
    - 7.3.4.2.4. By Smart Citizens Service
- 7.3.5. Australia Smart Cities Market Outlook
  - 7.3.5.1. Market Size & Forecast
    - 7.3.5.1.1. By Value
  - 7.3.5.2. Market Share & Forecast
    - 7.3.5.2.1. By Smart Utilities
    - 7.3.5.2.2. By Smart Governance
    - 7.3.5.2.3. By Smart Transportation

7.3.5.2.4. By Smart Citizens Service

## **8. NORTH AMERICA SMART CITIES MARKET OUTLOOK**

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Smart Utilities

8.2.2. By Smart Governance

8.2.3. By Smart Transportation

8.2.4. By Smart Citizens Service

8.2.5. By Country

8.3. North America: Country Analysis

8.3.1. United States Smart Cities Market Outlook

8.3.1.1. Market Size & Forecast

8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

8.3.1.2.1. By Smart Utilities

8.3.1.2.2. By Smart Governance

8.3.1.2.3. By Smart Transportation

8.3.1.2.4. By Smart Citizens Service

8.3.2. Canada Smart Cities Market Outlook

8.3.2.1. Market Size & Forecast

8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

8.3.2.2.1. By Smart Utilities

8.3.2.2.2. By Smart Governance

8.3.2.2.3. By Smart Transportation

8.3.2.2.4. By Smart Citizens Service

8.3.3. Mexico Smart Cities Market Outlook

8.3.3.1. Market Size & Forecast

8.3.3.1.1. By Value

8.3.3.2. Market Share & Forecast

8.3.3.2.1. By Smart Utilities

8.3.3.2.2. By Smart Governance

8.3.3.2.3. By Smart Transportation

8.3.3.2.4. By Smart Citizens Service

## **9. EUROPE SMART CITIES MARKET OUTLOOK**



- 9.1. Market Size & Forecast
  - 9.1.1. By Value
- 9.2. Market Share & Forecast
  - 9.2.1. By Smart Utilities
  - 9.2.2. By Smart Governance
  - 9.2.3. By Smart Transportation
  - 9.2.4. By Smart Citizens Service
  - 9.2.5. By Country
- 9.3. Europe: Country Analysis
  - 9.3.1. Germany Smart Cities Market Outlook
    - 9.3.1.1. Market Size & Forecast
      - 9.3.1.1.1. By Value
    - 9.3.1.2. Market Share & Forecast
      - 9.3.1.2.1. By Smart Utilities
      - 9.3.1.2.2. By Smart Governance
      - 9.3.1.2.3. By Smart Transportation
      - 9.3.1.2.4. By Smart Citizens Service
  - 9.3.2. United Kingdom Smart Cities Market Outlook
    - 9.3.2.1. Market Size & Forecast
      - 9.3.2.1.1. By Value
    - 9.3.2.2. Market Share & Forecast
      - 9.3.2.2.1. By Smart Utilities
      - 9.3.2.2.2. By Smart Governance
      - 9.3.2.2.3. By Smart Transportation
      - 9.3.2.2.4. By Smart Citizens Service
  - 9.3.3. France Smart Cities Market Outlook
    - 9.3.3.1. Market Size & Forecast
      - 9.3.3.1.1. By Value
    - 9.3.3.2. Market Share & Forecast
      - 9.3.3.2.1. By Smart Utilities
      - 9.3.3.2.2. By Smart Governance
      - 9.3.3.2.3. By Smart Transportation
      - 9.3.3.2.4. By Smart Citizens Service
  - 9.3.4. Spain Smart Cities Market Outlook
    - 9.3.4.1. Market Size & Forecast
      - 9.3.4.1.1. By Value
    - 9.3.4.2. Market Share & Forecast
      - 9.3.4.2.1. By Smart Utilities

- 9.3.4.2.2. By Smart Governance
- 9.3.4.2.3. By Smart Transportation
- 9.3.4.2.4. By Smart Citizens Service
- 9.3.5. Italy Smart Cities Market Outlook
  - 9.3.5.1. Market Size & Forecast
    - 9.3.5.1.1. By Value
  - 9.3.5.2. Market Share & Forecast
    - 9.3.5.2.1. By Smart Utilities
    - 9.3.5.2.2. By Smart Governance
    - 9.3.5.2.3. By Smart Transportation
    - 9.3.5.2.4. By Smart Citizens Service

## **10. MIDDLE EAST & AFRICA SMART CITIES MARKET OUTLOOK**

- 10.1. Market Size & Forecast
  - 10.1.1. By Value
- 10.2. Market Share & Forecast
  - 10.2.1. By Smart Utilities
  - 10.2.2. By Smart Governance
  - 10.2.3. By Smart Transportation
  - 10.2.4. By Smart Citizens Service
  - 10.2.5. By Country
- 10.3. Middle East & Africa: Country Analysis
  - 10.3.1. Saudi Arabia Smart Cities Market Outlook
    - 10.3.1.1. Market Size & Forecast
      - 10.3.1.1.1. By Value
    - 10.3.1.2. Market Share & Forecast
      - 10.3.1.2.1. By Smart Utilities
      - 10.3.1.2.2. By Smart Governance
      - 10.3.1.2.3. By Smart Transportation
      - 10.3.1.2.4. By Smart Citizens Service
  - 10.3.2. UAE Smart Cities Market Outlook
    - 10.3.2.1. Market Size & Forecast
      - 10.3.2.1.1. By Value
    - 10.3.2.2. Market Share & Forecast
      - 10.3.2.2.1. By Smart Utilities
      - 10.3.2.2.2. By Smart Governance
      - 10.3.2.2.3. By Smart Transportation
      - 10.3.2.2.4. By Smart Citizens Service

### 10.3.3. South Africa Smart Cities Market Outlook

#### 10.3.3.1. Market Size & Forecast

##### 10.3.3.1.1. By Value

#### 10.3.3.2. Market Share & Forecast

##### 10.3.3.2.1. By Smart Utilities

##### 10.3.3.2.2. By Smart Governance

##### 10.3.3.2.3. By Smart Transportation

##### 10.3.3.2.4. By Smart Citizens Service

## 11. SOUTH AMERICA SMART CITIES MARKET OUTLOOK

### 11.1. Market Size & Forecast

#### 11.1.1. By Value

### 11.2. Market Share & Forecast

#### 11.2.1. By Smart Utilities

#### 11.2.2. By Smart Governance

#### 11.2.3. By Smart Transportation

#### 11.2.4. By Smart Citizens Service

#### 11.2.5. By Country

### 11.3. South America: Country Analysis

#### 11.3.1. Brazil Smart Cities Market Outlook

##### 11.3.1.1. Market Size & Forecast

##### 11.3.1.1.1. By Value

##### 11.3.1.2. Market Share & Forecast

##### 11.3.1.2.1. By Smart Utilities

##### 11.3.1.2.2. By Smart Governance

##### 11.3.1.2.3. By Smart Transportation

##### 11.3.1.2.4. By Smart Citizens Service

#### 11.3.2. Argentina Smart Cities Market Outlook

##### 11.3.2.1. Market Size & Forecast

##### 11.3.2.1.1. By Value

##### 11.3.2.2. Market Share & Forecast

##### 11.3.2.2.1. By Smart Utilities

##### 11.3.2.2.2. By Smart Governance

##### 11.3.2.2.3. By Smart Transportation

##### 11.3.2.2.4. By Smart Citizens Service

#### 11.3.3. Colombia Smart Cities Market Outlook

##### 11.3.3.1. Market Size & Forecast

##### 11.3.3.1.1. By Value

### 11.3.3.2. Market Share & Forecast

#### 11.3.3.2.1. By Smart Utilities

#### 11.3.3.2.2. By Smart Governance

#### 11.3.3.2.3. By Smart Transportation

#### 11.3.3.2.4. By Smart Citizens Service

## **12. MARKET DYNAMICS**

### 12.1. Drivers

### 12.2. Challenges

## **13. MARKET TRENDS & DEVELOPMENTS**

## **14. POLICY & REGULATORY LANDSCAPE**

## **15. COMPANY PROFILES (TOP 10)**

### 15.1. ABB Limited

#### 15.1.1. Business Overview

#### 15.1.2. Key Revenue and Financials (If Available)

#### 15.1.3. Recent Developments

#### 15.1.4. Key Personnel

#### 15.1.5. Key Product/Services

### 15.2. AGT International

#### 15.2.1. Business Overview

#### 15.2.2. Key Revenue and Financials (If Available)

#### 15.2.3. Recent Developments

#### 15.2.4. Key Personnel

#### 15.2.5. Key Product/Services

### 15.3. AVEVA Group Plc

#### 15.3.1. Business Overview

#### 15.3.2. Key Revenue and Financials (If Available)

#### 15.3.3. Recent Developments

#### 15.3.4. Key Personnel

#### 15.3.5. Key Product/Service

### 15.4. Cisco Systems Inc

#### 15.4.1. Business Overview

#### 15.4.2. Key Revenue and Financials (If Available)

#### 15.4.3. Recent Developments

- 15.4.4. Key Personnel
- 15.4.5. Key Product/Service
- 15.5. Honeywell International Inc
  - 15.5.1. Business Overview
  - 15.5.2. Key Revenue and Financials (If Available)
  - 15.5.3. Recent Developments
  - 15.5.4. Key Personnel
  - 15.5.5. Key Product/Services
- 15.6. International Business Machines Corporation
  - 15.6.1. Business Overview
  - 15.6.2. Key Revenue and Financials (If Available)
  - 15.6.3. Recent Developments
  - 15.6.4. Key Personnel
  - 15.6.5. Key Product/Services
- 15.7. Itron Inc
  - 15.7.1. Business Overview
  - 15.7.2. Key Revenue and Financials (If Available)
  - 15.7.3. Recent Developments
  - 15.7.4. Key Personnel
  - 15.7.5. Key Product/Services
- 15.8. KAPSCH Group
  - 15.8.1. Business Overview
  - 15.8.2. Key Revenue and Financials (If Available)
  - 15.8.3. Recent Developments
  - 15.8.4. Key Personnel
  - 15.8.5. Key Product/Services
- 15.9. Huawei Technologies Co Ltd
  - 15.9.1. Business Overview
  - 15.9.2. Key Revenue and Financials (If Available)
  - 15.9.3. Recent Developments
  - 15.9.4. Key Personnel
  - 15.9.5. Key Product/Services
- 15.10. Microsoft Corporation
  - 15.10.1. Business Overview
  - 15.10.2. Key Revenue and Financials (If Available)
  - 15.10.3. Recent Developments
  - 15.10.4. Key Personnel
  - 15.10.5. Key Product/Services
- 15.11. Oracle Corporation

- 15.11.1. Business Overview
- 15.11.2. Key Revenue and Financials (If Available)
- 15.11.3. Recent Developments
- 15.11.4. Key Personnel
- 15.11.5. Key Product/Services
- 15.12. Osram Gmbh
  - 15.12.1. Business Overview
  - 15.12.2. Key Revenue and Financials (If Available)
  - 15.12.3. Recent Developments
  - 15.12.4. Key Personnel
  - 15.12.5. Key Product/Services
- 15.13. SAP SE
  - 15.13.1. Business Overview
  - 15.13.2. Key Revenue and Financials (If Available)
  - 15.13.3. Recent Developments
  - 15.13.4. Key Personnel
  - 15.13.5. Key Product/Services
- 15.14. Schneider Electric SE
  - 15.14.1. Business Overview
  - 15.14.2. Key Revenue and Financials (If Available)
  - 15.14.3. Recent Developments
  - 15.14.4. Key Personnel
  - 15.14.5. Key Product/Services
- 15.15. Siemens AG
  - 15.15.1. Business Overview
  - 15.15.2. Key Revenue and Financials (If Available)
  - 15.15.3. Recent Developments
  - 15.15.4. Key Personnel
  - 15.15.5. Key Product/Services

## **16. STRATEGIC RECOMMENDATIONS**

## **17. ABOUT US & DISCLAIMER**

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