

# **Emerging Technologies in Smart Cities: Europe Market 2020-2030 by Technology (IoT, Cloud, AI, Big Data, 5G, Edge Computing), Deployment Mode, Application (Transportation, Utilities, Governance, Home & Building, Citizen Service) and Country**

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## **Abstracts**

Europe emerging technologies in smart cities market accounted for \$105.4 billion in 2019 and will grow by 27.7% annually over 2020-2030 owing to the rising government initiatives, fast development of smart cities, and emerging technological advancements.

Highlighted with 44 tables and 77 figures, this 158-page report “Emerging Technologies in Smart Cities: Europe Market 2020-2030 by Technology (IoT, Cloud, AI, Big Data, 5G, Edge Computing), Deployment Mode, Application (Transportation, Utilities, Governance, Home & Building, Citizen Service) and Country” is based on a holistic research of the entire Europe emerging technologies in smart cities market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2016-2019 and provides forecast from 2020 till 2030 with 2019 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

## Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of Europe market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19. The balanced (most likely) projection is used to quantify Europe emerging technologies in smart cities market in every aspect of the classification from perspectives of Technology, Deployment Mode, Application, and Country.

Based on Technology, the Europe market is segmented into the following sub-markets with annual revenue (\$ bn) for 2019-2030 included in each section.

### Internet of Things (IoT)

Satellite Network

Cellular Network

Radio Frequency Identification

Near Field Communication

Wi-Fi

### Cloud Technology

### Artificial Intelligence (AI)

Deep Machine Learning

Artificial Neural Network

Voice Recognition

Pattern Recognition

Natural Language Processing

Context Aware Processing

Other AI Technologies

Big Data Analytics

5G Technology

High Performance Computing

Edge Computing

Quantum Computing

Other Technologies

Based on Deployment Mode, the Europe market is segmented into the following sub-markets with annual revenue (\$ bn) for 2019-2030 included in each section.

Cloud Based Deployment

On Premises Deployment

Based on Application, the Europe market is segmented into the following sub-markets with annual revenue (\$ bn) for 2019-2030 included in each section.

Smart Transportation

Parking Management

Ticketing & Travel Management

Traffic Management

Passenger Information Management System

Freight Information System

Other Smart Transportation Systems

## Smart Utilities

Energy management

Advanced Metering Infrastructure

Smart Grid

Water Management

Distribution Management

Other Smart Utilities

## Smart Governance

E-Governance Solutions

Smart Public Safety

Law Enforcement

City Planning

Other Governance Services

## Smart Home & Building

Building Automation System

Energy Management Systems

Parking Management System

Emergency Management System

Other Smart Building Systems

#### Smart Citizen Service

Smart Education

Smart Healthcare

Emergency Response System

Video Surveillance System

Assisted Living Solution

Other Citizen Services

#### Smart Mobility

Electric Vehicle Charging

Tunnel Management

Tolling Management

Other Mobility Solutions

#### Other Applications

Geographically, the following national/local markets are fully investigated:

Germany

UK

France

Spain

Italy

Russia

Rest of Europe (further segmented into Belgium, Denmark, Austria, Norway, Sweden, The Netherlands, Poland, Czech Republic, Slovakia, Hungary, and Romania)

For each key country, detailed analysis and data for annual revenue (\$ bn) are available for 2019-2030. The breakdown of key national markets by Technology, Deployment Mode, and Application over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Specifically, potential risks associated with investing in Europe emerging technologies in smart cities market are assayed quantitatively and qualitatively through GMD's Risk Assessment System. According to the risk analysis and evaluation, Critical Success Factors (CSFs) are generated as a guidance to help investors & stockholders identify emerging opportunities, manage and minimize the risks, develop appropriate business models, and make wise strategies and decisions.

Key Players (this may not be a complete list and extra companies can be added upon request):

ABB Ltd.

Accenture Plc

Alphabet Inc.

AT&T

Cisco Systems Inc.

Ericsson

Foxconn Electronics Inc.

Fujitsu Ltd.

General Electric Company

Hitachi

Honeywell

Huawei Technologies

IBM Corporation

INTEL Corporation

LG Electronics Inc.

Microsoft Corp.

Oracle Corp.

Qualcomm Technologies Inc.

Schneider Electric SE

Siemens AG

Toshiba Corporation

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

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  - Hitachi
  - Honeywell
  - Huawei Technologies

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INTEL Corporation  
LG Electronics Inc.  
Microsoft Corp.  
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