

# IoT in Smart Infrastructure, Cities, and Buildings: Market Analysis and Forecasts 2017 - 2022

<https://marketpublishers.com/r/IDCB62847CFEN.html>

Date: April 2017

Pages: 98

Price: US\$ 1,995.00 (Single User License)

ID: IDCB62847CFEN

## Abstracts

Internet of Things (IoT) technologies are anticipated to make a substantial impact upon physical infrastructure, cities, and buildings. Improving the operational effectiveness and efficiency, safeguarding assets, and establishing new value-added services are the fundamental goals of establishing Smart Infrastructure, Cities, and Buildings. Intelligent use of IoT technologies will be the key to continuous improvements in the areas of process automation. The use of Big Data and Analytics tools will be key to transforming data captured into actionable information.

This research evaluates applications, services, solutions, and market outlook associated with IoT technologies to establish and maintain Smart Infrastructure, Cities, and Buildings. The report includes an assessment of the key services required such as sensor networks, IoT platforms, and digital security. The report includes detailed forecasts for the period 2017 to 2022. All purchases of Mind Commerce reports includes time with an expert analyst who will help you link key findings in the report to the business issues you're addressing. This needs to be used within three months of purchasing the report.

Target Audience:

IoT Companies

Big Data companies

Global infrastructure suppliers

Communications component providers

Cloud services and datacenter companies

Smartgrid and energy management companies

Local, State, and Federal government organizations

## Contents

### **1 INTRODUCTION**

- 1.1 Target Audience
- 1.2 Companies in Report

### **2 EXECUTIVE SUMMARY**

### **3 OVERVIEW**

- 3.1 Why Smart and Why IoT
- 3.2 Smart Infrastructure, Cities, and Buildings
  - 3.2.1 Smart Infrastructure
  - 3.2.2 Smart Transportation
- 3.3 Automation and Data from Smart Assets to Drive Need for Devices
- 3.4 Smart Infrastructure, Cities, and Buildings IoT Applications
  - 3.4.1 Smart City Applications
    - 3.4.1.1 Growth of Devices in Smart Cities 2017 – 2022
  - 3.4.2 Smart Home Applications
    - 3.4.2.1 Growth of Devices in Smart Homes 2017 – 2022
  - 3.4.3 Smart Building / Office
    - 3.4.3.1 Smart Building Components
    - 3.4.3.2 Global Connected Devices in Smart Buildings 2017 – 2022
  - 3.4.4 Smart Factories
    - 3.4.4.1 Global Connected Devices in Smart Factories 2017 – 2022
  - 3.4.5 Smart Industries
    - 3.4.5.1 Smart Utilities
    - 3.4.5.2 Smart Tracking
    - 3.4.5.3 Smart Instrumentation in Oil and Gas Industry
    - 3.4.5.4 Smart Healthcare
    - 3.4.5.5 Devices Connected in Smart Industries
- 3.5 Connected Devices by Region 2017 – 2022

### **4 IOT OPPORTUNITIES IN SMART INFRASTRUCTURE, CITIES, AND BUILDINGS**

- 4.1 Business and Consumer need for Optimal User Experience
  - 4.1.1 Lightweight and Smart Sensors
  - 4.1.2 Agile, Ready-to-Deploy, Cloud-based IoT Platforms

- 4.1.3 Responsive and Collaborative Applications
- 4.1.4 Responding Security Frameworks
- 4.2 Solution Developments for Smart Infrastructure, Cities, and Buildings
- 4.3 Development of Lightweight Smart Sensors
  - 4.3.1 Development of Smart Sensors 2017 – 2022
  - 4.3.2 B+B Networks Wireless Sensing Platform
  - 4.3.3 Bosch MEMS Sensors
  - 4.3.4 Digi's Xbee Real-time Sensors
- 4.4 Development of Hardware and Software IoT Platforms
  - 4.4.1 Hardware and Software IoT Platforms 2017 – 2022
  - 4.4.2 IoT Hardware Platforms
    - 4.4.2.1 ARM mBED IoT Device Platform
    - 4.4.2.2 Echelon's IzoT Platform
  - 4.4.3 IoT Software Platforms
    - 4.4.3.1 Aeris Cloud based Platform for Building Applications
    - 4.4.3.2 AT&T M2M Application Platform
    - 4.4.3.3 Ayla Cloud based Enterprise Grade Platform
    - 4.4.3.4 Development Platform by IIC
    - 4.4.3.5 Jasper Control Venter Platform
    - 4.4.3.6 MachineShop API based Platform
    - 4.4.3.7 Wind River VXworx
- 4.5 An Emerging Range of IoT Applications
  - 4.5.1 Smart Infrastructure, Cities, and Building IoT Applications 2017 – 2022
- 4.6 Development of New Interoperable Protocols
  - 4.6.1 Insteon
  - 4.6.2 Thread
  - 4.6.3 Zigbee
  - 4.6.4 Z-Wave Alliance
- 4.7 Security Needs for Devices Connected
  - 4.7.1 Solutions to Secure Mobile Device and Mobile Applications
  - 4.7.2 IoT Security Solutions 2017 – 2022
  - 4.7.3 ARM TrustZone Technology
  - 4.7.4 Cisco Security Solutions for IoT
  - 4.7.5 Intel Security Group (McAfee)
  - 4.7.6 Symantec End- to-End Security Solution

## List Of Figures

### LIST OF FIGURES

- Figure 1: Smart Infrastructure, Cities, and Building Objectives
- Figure 2: Smart Infrastructure Ecosystem and Vendor/Service Providers
- Figure 3: Global Connected Devices 2017 - 2022
- Figure 4: Connected Devices by Industry Segment 2017 - 2022
- Figure 5: Smart Infrastructure Segments
- Figure 6: Connected Devices in Smart Cities 2017 - 2022
- Figure 7: Connected Devices in Smart Homes 2017 - 2022
- Figure 8: Connected Devices in Smart Buildings 2017 - 2022
- Figure 9: Connected Devices in Smart Factories 2017 - 2022
- Figure 10: Connected Devices in Smart Industries 2017 - 2022
- Figure 11: Connected Devices in Smart Industries by Region 2017 - 2022
- Figure 12: Revenue by Solution Segment 2017 – 2022
- Figure 13: Smart Sensors 2017 – 2022
- Figure 14: Hardware and Software IoT Platforms 2017 – 2022
- Figure 15: IoT Platform Functionality
- Figure 16: Smart Infrastructure, Cities, and Building IoT 2017 – 2022
- Figure 17: Security Solutions 2017 – 2022

## List Of Tables

### LIST OF TABLES

- Table 1: Global Connected Devices 2017 - 2022
- Table 2: Connected Devices by Industry Segment 2017 - 2022
- Table 3: Connected Devices in Smart Cities 2017 - 2022
- Table 4: Connected Devices in Smart Homes 2017 - 2022
- Table 5: Connected Devices in Smart Buildings 2017 - 2022
- Table 6: Connected Devices in Smart Factories 2017 - 2022
- Table 7: Connected Devices in Smart Industries 2017 - 2022
- Table 8: Connected Devices in Smart Industries by Region 2017 - 2022
- Table 9: Revenue by Solution Segment 2017 – 2022
- Table 10: Smart Sensors 2017 – 2022
- Table 11: Hardware and Software IoT Platforms 2017 – 2022
- Table 12: Smart Infrastructure, Cities, and Building IoT Apps 2017 – 2022
- Table 13: Security Solutions 2017 – 2022

## I would like to order

Product name: IoT in Smart Infrastructure, Cities, and Buildings: Market Analysis and Forecasts 2017 - 2022

Product link: <https://marketpublishers.com/r/IDCB62847CFEN.html>

Price: US\$ 1,995.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/IDCB62847CFEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

