

# SMART CITY IOT TRENDS

Smart Cities technologies can help power more efficient, greener, and more livable cities. The insights from Smart City devices can optimize city operations and generate significant cost savings, but challenges remain integrating with the in-place municipal systems that could benefit most. As city governments continue to increase investments into IOT technologies, Smart City decision makers should focus on solutions that emphasize local, real-time data analysis, and interoperability to maximize impact, as well as uncovering hidden insights by using Machine Learning.

## IOT SPEND OF SMART CITIES

**\$52B**

SPENT ON TECHNOLOGY IN 2016 BY US CITIES.

\*Center for Digital Government

**0.7%**

OF CITY IT BUDGETS WERE SPENT ON IOT TECHNOLOGIES IN 2005.

**4.1%**

OF CITY IT BUDGETS WERE SPENT ON IOT TECHNOLOGIES IN 2015.

\*CNBC

Globally, Smart City IOT technologies will increase

by **\$97 billion**

between 2015 - 2019. This will make up the bulk of government investment in IOT technologies, dwarfing the amount of money spent on other government IOT use cases like military drones and robots.

\*BI Intelligence

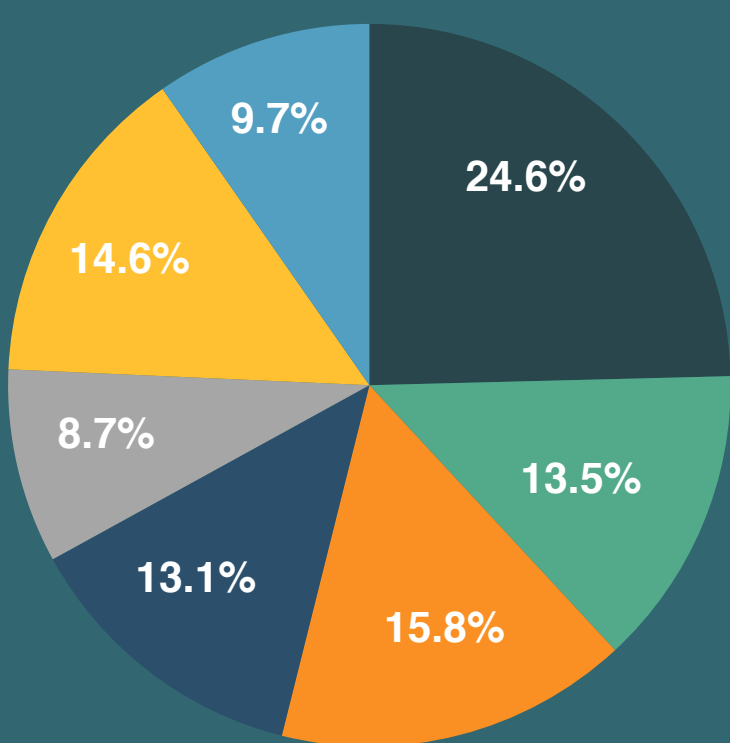
**3X Industry Growth**

By 2023, global income from smart technologies will have **tripled** from 2013, increasing from \$8.8 billion to **\$27.5 billion.**

\*Navigant Research

## IOT IN SMART CITIES

### SMART CITY USE CASES BY SEGMENT



- Smart Governance & Education
- Smart Security
- Smart Energy
- Smart Infrastructure
- Smart Mobility
- Smart Healthcare
- Smart Buildings

\*Frost & Sullivan

**1.4B**

CONNECTED THINGS DEPLOYED IN 2017 TO ACHIEVE SUSTAINABILITY AND CLIMATE CHANGE GOALS.

\*Gartner

**\$280M**

INVESTMENT IN VEHICLE-TO-BUILDING TECHNOLOGIES OVER THE NEXT 10 YEARS.

\*Frost & Sullivan

**58%**

OF IOT PROJECTS ARE RELATED TO SMART COMMERCIAL BUILDINGS AND TRANSPORTATION USE CASES.

\*Gartner

## INCREASE SMART CITY EFFICIENCY

**\$341B**

UNDER UTILIZED BY CITIES AND PARTNERS WHO ADOPT FRAGMENTED IOT SOLUTIONS THROUGH 2025.

\*Machina Research

**67%**

OF THE WORLD'S ENERGY IS CONSUMED BY CITIES EACH YEAR

\*Smart America

### INTEROPERABILITY IS CRITICAL

Using non-standardized IOT solutions, Smart City deployments could cost

**\$1.12 trillion** by 2025.

Adopting standardized solutions would equate to a cost of **\$781 billion** –

**30% less** than the non-standardized total.

\*Machina Research