

Description

A smart city is an urban area that uses different types of electronic data collection sensors to supply information which is used to manage assets and resources efficiently (ComputerWorld). Goals of a smart city:

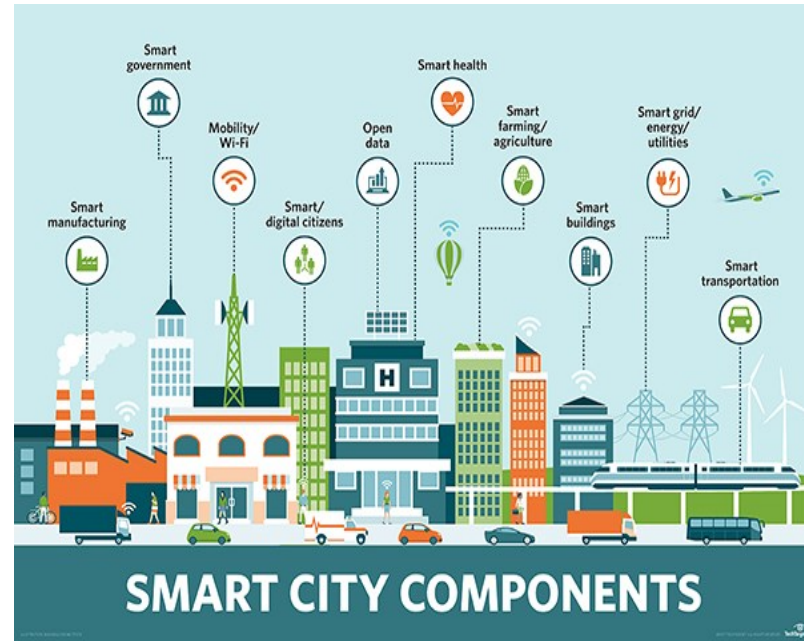
- Reduce costs while improving quality & delivery of urban services
- Allow real-time response to changing conditions
- Improving connectivity and opportunity for all residents
- Increase communication between citizens and government

Areas of Investment

- Transportation
- Healthcare
- Public Safety
- e-Government / Open Government
- Education
- Energy
- Water / Waste Management
- Wireless

Challenges

- Privacy / mass surveillance
- Security
- Data governance (ownership / sharing)
- Digital divide
- Collaboration among different stakeholders
- Aging city infrastructure
- Expense and expertise required for digital infrastructure planning, maintenance, and operations



Pilot Programs

Larger-scale projects (population > 300,000):

- Kansas City, MO
- LinkNYC
- Pittsburgh, PA & Carnegie Mellon University
- Columbus, OH
- Chicago, IL

Smaller-scale projects (population < 210,000):

- South Bend, IN - University of Notre Dame
- Branson, MO
- Aurora, IL

Resources

- Smart Cities Council: <https://smartcitiescouncil.com>
- Songdo Int'l Business District: <http://songdoibd.com/>
- Bristol, UK's 5G: <https://www.bristolpost.co.uk/news/bristol-news/bristol-trial-superfast-5g-networks-1322290>
- KCMO: <http://kcmo.gov/smartcity/>
- NSF S&CC: <https://www.nsf.gov/cise/scc/>

