

Smart City Solutions

Internet of Things refers to a giant network of devices that connect to each other, exchange, and analyze data. They can be everyday items such as cell phones, washing machines, vehicles, or wearable devices. They can also be components of larger machines and systems, such as airplane engines or oilrigs or **smart cities**.

A smart city uses digital technology to connect, protect, and enhance the lives of citizens. IoT sensors, video cameras, social media, and other inputs act as a nervous system, providing the city operator and citizens with constant feedback so they can make informed decisions.

How does a smart city work?

A smart city collects and analyzes data from IoT sensors and video cameras. In essence, it "senses" the environment so that the city operator can decide how and when to take action. Some actions can be performed automatically. For example, a public waste bin can contact the city for service when it is near capacity instead of waiting for a scheduled pickup.

What are the benefits of a smart city?

For city agencies:

- Gain more citizen engagement and optimize operations through real-time data intelligence and intra-agency collaboration.

For citizens:

- Improve daily life through city services. Smart cities offer visibility into real-time city data for improving mobility, connectivity, and safety services.

For businesses:

- Drive new revenue streams and economic development by enhancing awareness of customer activity and behavior.

For developers and vendors:

- Fuel application development of city data. Help the city improve operational efficiencies, engage citizens, and boost economic viability.

Application Types that can be part of the Smart City concept

Air quality

Monitor the air so you'll know when to regulate emissions and inform the citizens.

Communication architecture

Connect with citizens and tourists through interactive kiosks and mobile apps, offering information based on their location.

Environment

Visualize and analyze all the city data to better decide when and how to act.

Lighting

Lower energy consumption, cut costs, and simplify maintenance.

Parking

Generate revenue with demand-based parking and reduce parking-space search time for citizens.

Public Wi-Fi

Citywide Wi-Fi connects sensors but, more importantly, also provides a way for people to connect with the world.

Safety and security

Protect against crime, terrorism, and civil unrest, and respond more quickly to emergencies with advanced video analytics.

Transportation

Reduce congestion and pollution through traffic management.

Urban mobility

Understand where people move and spend their time and use those insights for city planning.

Waste management

When waste bins are connected, city workers can collect them as needed. Save staff time and resources.

Water management

Safe, efficient water flow is an essential resource for any city.

What can Logicom Solution do for your city?

Logicom Solutions is your System Integrator of choice when it comes to understanding your City's needs and matching them to realizable IoT Smart City solutions that can be implemented across the city. Logicom Solutions can be engaged end to end, from the idea conceptualization all the way to design, deployment and maintenance.

Logicom Solutions, as a Cisco Gold Partner, has partnered with Cisco Systems to offer their Smart City solution framework and platform which covers a complete solution utilizing Cisco assets and assets from the Cisco partner ecosystem.