# Trilliant IIoT & Smart City Strategy

Utilities and city administrations across the world are looking to harness information and communication technologies in ways that help address the many challenges of urbanization, including traffic congestion, waste disposal, and rising energy usage. These challenges are leading to smart city initiatives that improve citizens' quality of life, make public services more efficient, generate new sources of revenue, and fuel economic growth.

## What is a Smart City?

A smart city makes extensive use of information and communication technologies, including RF communication, to improve the quality of life of its citizens in a sustainable way. It combines data sets captured by any number of devices, people, infrastructure, and vehicles to generate new insights. A smart city provides ubiquitous services that enable real-time information about city services and improve the efficiency of city operations.

Smart cities explore strategies that:
- Improve public safety.
- Improve the delivery of public goods and services such as:
  – Utility meter reading and billing
  – Automated communication with residents and visitors about street closures and other local activities (e.g., street sweeping, recycling, snow plowing, etc.)
  – Parking management
  – Wayfinding
- Improve communications technology infrastructure by:
  – Increasing access to affordable broadband services, especially in under-served communities
  – Accelerating the deployment of small cells to improve cellular coverage
- Promote city economic development by:
  – Creating local jobs
  – Increasing competitive advantage in attracting businesses or highly talented residents

To reach the "Smart" milestone, cities are looking at three important tasks:

1. Collect: Cities need to collect information about themselves through sensors and other connected devices

2. Communicate: Cities need connectivity that is purpose-built, secure and offers reliability as a quality of service

3. Understand: Cities must analyze data to drive meaningful actions and applications to serve citizens and plan for the future

DISCOVER THE *Power Of Choice*

Trilliant®

- Speed the deployment of the Internet of Things sensor nodes, providing environmental and other publicly available data to enable researchers to develop solutions to urban problems
- Generate additional city revenue that may be leveraged to operate the network and support city services

## Challenges

Achieving these goals means overcoming  challenges like:

- Cycles of political changes that can create unforeseen circumstances
- Lack of funding
- Lack of time for strategic planning and governance
- Lack of applicable models

To solve the problems surrounding urbanization and to better design a livable, sustainable future, cities need to adopt a far more strategic approach, of which technology is only one part. In order to best understand the issues that their constituents face, cities need collaborative and citizen-centric technology solutions that are designed to be multipurpose, open, and secure. Functional clusters such as energy, mobility, environmental sustainability, public services, and buildings can all benefit from a connected network that streamlines data and provides real, actionable insights.

## Trilliant's Role

Trilliant's hybrid wireless communication platform addresses all these tasks. It is built for interoperability with a large ecosystem of partners, enabling cities to continuously innovate and future-proof as their needs evolve. The standardized design of networks offers seamless data flow management and allows real time customer interaction. When each location has its own needs and priorities, Trilliant helps transform the framework of cities vision and drives digital transformation. We offer a cost effective, device-agnostic platform with many revenue generation possibilities.

Questions, comments: info@trilliant.com

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