

Smart Cities Solutions

Smart cities put data and digital technologies to work to make better decisions and improve the quality of life. More comprehensive, real-time data gives agencies the ability to watch events as they happen and respond with faster and lower-cost solutions.

Three layers work together to make a smart city. First is the technology base, which includes a critical mass of smartphones and sensors connected by high-speed communication networks. The second layer consists of specific applications. Translating raw data into alerts, insight, and action requires the right tools, and this is where technology providers and app developers come in. The third layer is usage by cities, companies, and the public.

What we offer:

Smart City network deployment

With our expertise in designing, building and managing smarter networks through our end-to-end portfolio of communication technologies, software systems, and network integration services, we are committed to create a high-quality digital infrastructure on which a smart city can be built.

- Design and Build Active and passive network infrastructure
- Accommodate new devices without loss in the quality of provided services and network traffic flow
- Scalable architecture to support the required number of tenants, containers, devices and users as well as bandwidth and multicast flows, etc.
- Always available network architecture with seamless connectivity across smart applications
- Optimal city wide networking that provide effective management of fault, configuration, accounting, performance and security.



Integrated Command and Control Centers

ICCCs work as the brain and nervous system for city operations. They have led to better management of urban services in diverse fields like crime tracking, safety & security of citizens, transport management, solid waste management, water supply etc. It is also referred as a Situation Room.

- Centralised management and decision making interface for data and events from multiple sources which includes IoT sensors, IT systems, OT business systems and open data sources
- Processing and visualising city data to provide both real-time information and analytical insights using dashboards and reports that can be adapted to the individual needs of each user role
- Correlating and analysing data to extract key informational insights and using this intelligence to inform decision making and automate standard operating procedures
- Measuring and tracking key operational and performance metrics
- Automated response and alert systems
- Redundant operations with robust security and access and authentication controls

Surveillance and GIS solutions

In Surveillance, geo-spatial data combined with other data (traffic data, violations data, criminal data etc.) integrated by ICCC platform helps derive following use cases:

- Crime hotspots in a city
- Crime hotspots by category of crime
- Accident hotspots in a city
- Route risk profiling to police based on crime/accident history
- Incident management
- Crowd management
- Large events management by zoning the geo spatial areas

NOC and DR Operations

The Network Operations Centre is the facility where the Smart City network and communications infrastructure is monitored and managed from. A DR (Disaster Recovery) site may also replicate the NOC at a separate location such that NOC activity can quickly resume in the event of a major disruption.

Our solutions help with :

- Dedicated NOC for centralised monitoring and maintenance
- Real time data collection and analysis from assets and device monitoring
- Uninterrupted service delivery and robust disaster recovery for enhanced resilience
- With robust model driven AI/ML platform capabilities and a complex rule engine to drive automated processes, the NOC brings true actionable intelligence for efficient and highly responsive smart city digital operations.