



pulsebysolutions.com



empower your city's future

the smart city command operation center

a system-of-systems approach to smarter urban management.

The Smart City Command Operation Center (COC) is the digital brain of a smart city, integrating diverse systems, data and operations into one powerful, centralized platform to ensure seamless urban management. Get a real-time monitoring, city-wide operational view, that empowers decision-makers to act proactively, respond rapidly, and optimize resources intelligently.

why a smart city COC?

Our COC drives:

- **Public Safety:** Faster emergency response, intelligent incident detection.
- **Operational Efficiency:** Streamlined workflows, optimized resource use.
- **Enhanced Citizen Experience:** Improved services, greater transparency.
- **Sustainability:** Reduced waste, optimized energy/water use, UN SDG alignment.

pulse by solutions core technologies powering your smart city

Our COC is built on a robust foundation of cutting-edge technologies delivering comprehensive urban intelligence:

- **IoT Platform:** Aggregates data from sensors across the city
- **Workforce Management:** Tracks tasks, teams, and field operations
- **GIS:** Location intelligence for assets, incidents, and planning
- **Digital Twin:** Real-time virtual replica of physical city infrastructure
- **Big Data:** High-volume data ingestion for deep operational insight
- **Advanced Analytics:** AI and ML models for predictions, alerts, and optimization

unlock tangible benefits for your urban environment

Our Smart City COC delivers measurable advantages that transform urban management:

- **Unified Operational View:** Break down silos with one source of truth.
- **Accelerated Response:** Cut incident resolution times across all city services.
- **Cost-Efficient Operations:** Reduce overhead, manual processes, and waste.
- **Data-Driven Decision-Making:** Identify and fix root causes, not just symptoms.
- **Enhanced Citizen Trust:** Improve public services, access, and satisfaction.
- **Sustainability Impact:** Enable eco-strategies aligned with SDGs and national agendas/ goals.

sectors we transform



solutions for every urban need

pulse by solutions Smart City COC offers specialized solutions designed to meet the unique challenges of diverse urban environments:

Public Safety Solutions

- Emergency Response Coordination
- Incident Detection
- Video Surveillance

Transportation Solutions

- Traffic Monitoring
- Smart Parking
- Public Transit Optimization

Smart Water Management Solutions

- Water Network Monitoring
- Non-Revenue Water Reduction
- Smart Metering
- Water Leakage Detection

Smart Energy Management Solutions

- Power Grid Monitoring
- Smart Metering
- Energy Optimization

Environmental Solutions

- Air Quality Monitoring
- Waste Management
- Flood Detection

Infrastructure Solutions

- Building Management
- Road Condition Alerts
- Asset Tracking

Citizen Engagement Solutions

- Governmental Systems
- Complaints
- Mobile Apps
- Service Request Management

ready to transform your city? find out how pulse by solutions smart city command operations center can empower your city's future.

email: sales.support@pulsebysolutions.com