CorGrid Smart City

QuickDeploy SaaS Application

Smarter Systems, Stronger Cities: The New Urban Advantage

CorGrid brings advanced vision systems, IoT devices, and automation technologies to the city environment.

AI-enabled cameras and municipal-grade sensors continuously monitor traffic, public spaces, energy systems, and infrastructure.

Detecting anomalies, optimizing resources, and automating interventions to enhance safety, mobility, and sustainability.

Corvalent's IoT solutions : smarter, greener and improving urban living.

- Smart surveillance systems improve public safety with real-time threat detection.
- Citizen engagement platforms provide updates, report issues, and enable city planning participation.
- Sensors predict floods and disasters, ensuring timely protective measures.
- Smart energy grids integrate renewables and optimize power reliability.
- IoT in transit and ride-sharing promotes sustainable urban mobility.

Ensuring dependable city operations with continuous sensor monitoring and data-driven infrastructure oversight.

AI-Powered Urban Monitoring

City Operational Efficiency

Greater Safety and Reliability Service

Reduce Waste and Optimized Resources

www.corgrid.io/smart-city/

Can Your City Keep Up with the Demands of Modern Urban Growth?

Cities today face unprecedented pressure. Rapid population increases, rising mobility demands, environmental challenges, and aging infrastructure require faster and smarter management than ever.

Manual, disconnected systems can't keep pace. Congested roads, safety blind spots, infrastructure failures, and slow response times result in higher costs, inefficiencies, and increased risk for citizens.

CorGrid Smart City transforms the urban landscape turning traditional city operations into intelligent, connected, self-correcting ecosystems where every asset is monitored in real time.

EQUIPMENT / SENSOR	MONITORING	OBJECTIVE	RESULT
Smart Streetlight Sensors	Light levels, usage cycles, failures	Automate dimming & reduce energy usage	Up to 70% lower lighting costs; fewer outages
Traffic Flow Sensors / Cameras	Vehicle count, congestion patterns	Optimize traffic signals and urban mobility	Reduced congestion; improved safety
Environmental Sensors	Air quality, noise, temperature	Monitor pollution and support city health policies	Cleaner environments; real-time alerts
Smart Parking Sensors	Occupancy of parking spaces	Reduce search time and traffic	Less congestion; increased parking revenue
Flood / Water Level Sensors	River levels, storm drains, critical zones	Early flood detection and disaster mitigation	Faster emergency response; reduced damage
Waste Bin Fill-Level Sensors	Waste level, pickup alerts	Optimize collection routes	Lower operational costs; cleaner streets
Public Safety Sensors	Gunshot detection, emergency button sensors	Improve emergency response time	Safer cities; automated incident notifications

*For complete list of sensors, contact us at salesteam@corvalent.com

CORVALENT™