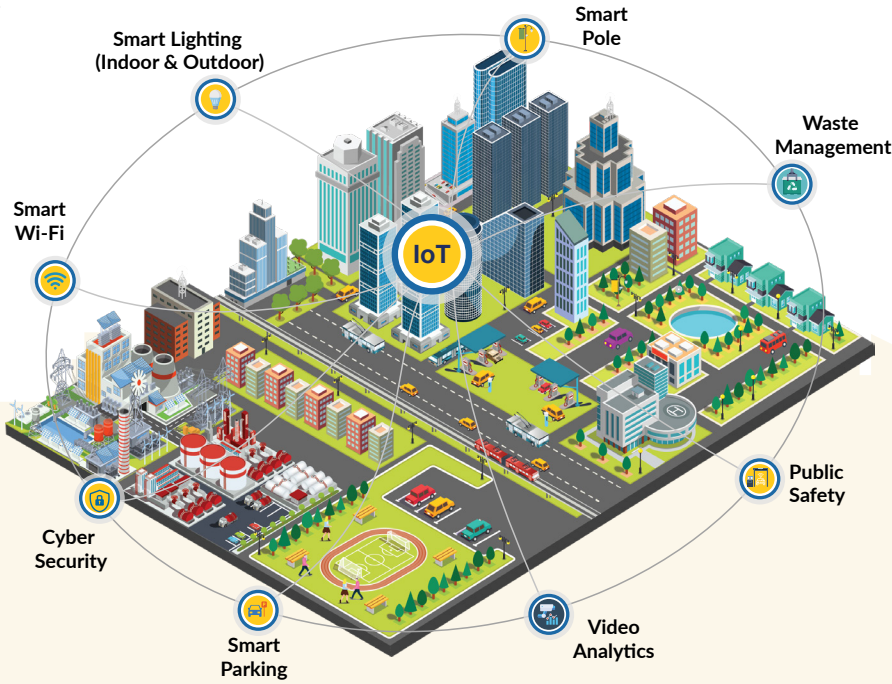# OST

Smart City

Reinventing communities through digital transformation

By 2030, experts believe that every metropolitan area will be a "Smart City" with improved services, new business models, and a connected environment. Advancements in technology such as the Internet of Things (IoT) and digitally transformed infrastructure will optimize urban management of energy, transportation, public safety, and more. OST recognizes this vision, and is ready (along with our partners) to provide feasibility studies, strategic recommendations, integration plans, engineering, and project management services to help cities create a smart future.

Smart Lighting (Indoor & Outdoor) · Smart Pole · Waste Management · Smart Wi-Fi · IoT · Cyber Security · Public Safety · Smart Parking · Video Analytics

Our Approach Starts with an Integrated IoT Platform

Mature, best-of-breed technologies combine with OST's process optimization to provide cities with five key benefits:

Financing Solutions
- ✔ Public-Private Partnerships (P3s) can finance the project
- ✔ Assist in obtaining federal and state grants
- ✔ Up to 100% of capital investment

Cyber Security
- ✔ Secure Systems
- ✔ Protected Information
- ✔ Robust Hacking Countermeasures

Environmental Sustainability
- ✔ LED Lighting
- ✔ Smart Poles
- ✔ Green Buildings
- ✔ Waste Managment

Operational Excellence
- ✔ Critical Infrastructure Monitoring
- ✔ Smart Parking & Intelligent Traffic Management
- ✔ Solution as a Service model

Safety & Security
- ✔ Video/Scene Analytics
- ✔ Flood Abatement
- ✔ NextGen Emergency Services
- ✔ Smart Resiliency Planning

Smart Lighting (indoor & outdoor)

Upgrade to Smart LED lighting and utilize the IoT platform to manage light maintenance and outages.

- Reduces maintenance costs
- Reduces utility costs
- Optimizes resources

Waste Management

Advanced sensor technology alerts authorities to pick up trash. Specialized equipment assists in easy pick up.

- Reduces maintenance costs
- Improves scheduling and routing of pickup vehicle
- Real time fill-level and temperature measurements optimize waste pickup and avoids overflows

Intelligent Traffic Management

Monitor real-time traffic flow and incidents using smart sensors on roads and highways.

- Provides real-time updates and alerts to citizens
- Integrates with other city modules such as emergency services
- State-of-the-art Incident Alert System tracks accidents, roadblocks, and demonstrations

Public Safety

Advanced technology enhances safety and security.

- Secure communication platform
- Next Generation 911 features
- Innovative Solutions include portable vehicle and cargo scanners

Smart Pole

Provides infrastructure for Smart Lighting, Smart Cameras, Wi-Fi, digital signage for public information, charging stations for electric vehicles, and environmental sensors.

- Displays emergency alerts
- Encourages use of electric vehicles
- Provides citywide Wi-Fi
- Monitors & controls carbon levels, noise levels, gas leakages, waste levels, etc.

Smart Parking

Enforce parking ordinances using cameras and sensors with real-time occupancy information and incident alerts. Mobile app assists drivers in finding available parking spots easily.

- Easy detection of expired vehicle parking
- Saves time and cost for drivers looking for parking spaces
- Generate additional revenue through flexible pricing strategies based on demand

Video Analytics

Leverages Machine Learning, pattern recognition, and behavioral knowledge to identify relevant video footage. Adaptive video anomaly detection spots unexpected changes in video images over time.

- Assists in crowd management
- Assists in identifying crime
- Assists in identifying crimes

The OST Advantage

We build, customize and implement the right solution for you.
Our technology-neutral approach ensures best-of-breed innovative solutions for your needs.

- ✓ Leverage billions in private capital investments
- ✓ Assist in obtaining applicable grants and subsidies
- ✓ Team of established partners who are industry leaders in Financial, Technical, R&D and Advisory services
- ✓ Solution as a Service model ensures timely technology upgrades at minimum cost
- ✓ Horizontal IoT platform with advanced analytic capabilities for data correlation and visualization

ISO 9001:2015 | ISO/IEC 20000-1:2011 | ISO/IEC 27001:2013 | ISO 10002:2018 | Agile 5 | CMMIDEV/3 | CMMISVC/3

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