



## How Can Smart City Solutions Benefit Your City?

- > **Smart Lighting**
- > **Sound Analytics**
- > **Pedestrian**
- > **Air Quality**
- > **Threat Analytics**
- > **Flood Sensing**
- > **Road Temp Sensing**
- > **Digital Signage**
- > **Video Surveillance**
- > **Parking Analytics**

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CIMCON Lighting's ROI Calculator is provided for informational purposes only. Actual results may vary. CIMCON Lighting will not be liable for any losses or damages from action taken based on information provided through the ROI Calculator.

## Smart Lighting

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### Lighting Cost Savings

The benefits here are depended on many variables. Request a detailed consultation for benefits specific to your community.

**\$500,000**

Savings from LED Tariff

**\$240,354**

Capital Costs Longer Fixture Life (HPS to LED)

**\$9,500.00**

Savings from Dimming Tariff

**\$260,000**

Maintenance Savings/Reduced Truck Rolls

**\$17,257**

Capital Costs Extended LED Life

#### Additional Benefits

- > **City-wide sensor platform for service improvement**  
Traffic Safety; health; parking; waste; citizen communication; business development
- > **5% Reduced Crime Rate**  
(from better lighting)
- > **80% Fewer Customer Complaints**
- > **0.4% Higher Property Values**
- > **Greater Economic Activity**

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Based on:

No. of Streetlights: **5,000**

Cost to Upgrade each light to LED with Controller: **\$500**

Cost per Truck Roll: **\$400**

Annual Electric Costs for All Streetlights: **\$1,000,000**

Dimming Strategy/Tariff: **70% Bright / Tariff Available**

Expected Lifespan of LED Fixtures: **15 yrs**

Rebates Available: **\$0 Million**

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## Sound Analytics

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### Potential Outcomes

The benefits here are depended on many variables. Request a detailed consultation for benefits specific to your community.

**60**  
Crimes Eliminated

**\$120,000**  
Reduction in Crime Fighting Costs

**\$7.8**  
Million in New Economic Activity

**25%**  
Average Percent Decrease in Burglaries

**120**  
New Jobs

**6**  
New Business Openings

**2.49%**  
Increase in Home Values

#### Additional Benefits

- > Safer and Better Informed First Responders
- > Greater noise ordinance compliance. Quieter Streets

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Based on approximate number of violent crimes per year: **200 (Med)**

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## Traffic/Pedestrian Analytics

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### Potential Outcomes

The benefits here are depended on many variables. Request a detailed consultation for benefits specific to your community

**14**

**Pedestrian Injuries Avoided**

**\$1,050,000**

**Injury Costs Avoided**

**30**

**Sensors Needed**

**612%**

**ROI**

**30%**

**Reduced Travel Time**

#### Additional Benefits

- > Fewer Citizen Compliants About Street Conditions
- > Eliminate PR Crises-Carmageddon
- > Enrich Transportation Planning Process with Data
- > Mobility data improves success of economic development efforts with Data

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Based on a Community Population of: **100,000**

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## Air Quality Monitoring

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### Potential Outcomes

The benefits here are depended on many variables. Request a detailed consultation for benefits specific to your community.

**115**  
Reduced ER Visits for COPD

**\$74,197**  
Cost Avoided for COPD

**130**  
Reduced ER Visits for Asthma

**\$195,214**  
Cost Avoided for Asthma

**30**  
Sensors Needed

**612%**  
ROI

#### Additional Benefits

- > Reduced Pollution Through Better Industrial Monitoring
- > Fewer School Days Missed

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Based on a Community Population of: **100**

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## Threat Analytics

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### Potential Outcomes

The benefits here are depended on many variables. Request a detailed consultation for benefits specific to your community.

**59**  
Fewer Motor Vehicle Thefts

**107**  
Fewer Burglaries

**591**  
Fewer Property Crimes

**3**  
Fewer Arsons

**424**  
Fewer Larcenies

#### Additional Benefits

- > Faster Detection of Threats
- > Detection of Unsafe Driving/Behavior
- > More Business Openings and Economic Activity
- > Higher Property Values and Tax Revenues

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Based on a Community Population of: **100,000**

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## Flood Sensing

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### Potential Outcomes

The benefits here are depended on many variables. Request a detailed consultation for benefits specific to your community

**107**

Fewer Citizen Compliants Annually

Cleaner Streets

**20%**

Faster Response Times

Faster Response to Clogged Catch Basins

#### Additional Benefits

- > Fewer Mosquitos
- > Fewer CSOs
- > Fewer Foul Odors
- > Reduced Maintenance Costs
- > Improved Climate Change Preparedness

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Based on this number of Catch Basins: **0**

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## Road Temperature Sensing

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### Potential Outcomes

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**20**  
Sensors Needed

**25%**  
ROI

**4,500**  
Tons Salt Needed

**174**  
Reduced Salting Hours Per Year

**500**  
Accidents Avoided

#### Additional Benefits

- > **Cleaner Environment: Less Water Contamination**
- > **Better Identification and Management of Heat Islands**

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Based on a Community Population of: **100,000**

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## Digital Signage

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### Potential Outcomes

The benefits here are depended on many variables. Request a detailed consultation for benefits specific to your community.

**20**  
Sign Locations

**13%**  
ROI

**80,000**  
Digital Signage Views (400% more)

#### Additional Benefits

- > New Revenue Stream for City
- > Easier Message Distribution
- > Increased Tourism

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Based on a Community Population of: **100**

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## Video Surveillance

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### Potential Outcomes

The benefits here are depended on many variables. Request a detailed consultation for benefits specific to your community.

**60**

Sensors Needed

**370%**

ROI

**2.49%**

Increase in Home Values

**25%**

Average Percent Decrease in Burglaries

**600**

Crimes eliminated

#### Additional Benefits

- > Crimes Eliminated
- > Reduced Theft
- > Easier Prosecution
- > Remote Monitoring
- > Reduced need for Law Enforcement Patrol

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Based on a Community Population of: **100**

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## Parking Analytics

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### Potential Outcomes

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**10**  
Gateways

**331%**  
ROI

**\$580,000**  
Increased Ticketing Revenue

**2%**  
Percent increase in local GDP

#### Additional Benefits

- > New Revenue Stream for City
- > Easier Message Distribution
- > Improved Utilization of public spaces

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Based on a Community Population of: **100000**

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