

SMART CITY SENSORS



BACKGROUNDS



LED Roadway Lighting Ltd. (LRL) is a streetlighting and smart city technology provider which was established in 2007.

Liveable Cities (LC) is the smart city technology division of LED Roadway Lighting Ltd.

We design, manufacture, and distribute LED streetlighting, wireless intelligent controls, software, and smart city sensors.

Headquarters

- Halifax, NS, Canada

Manufacturing

- Amherst, NS, Canada

Office

- Victoria, BC, Canada

Other Manufacturing

- Caribbean, China, others



Roadsys, Inc recognized leader in traffic data solutions since 1989.

RoadSys is a solutions provider that includes motorized and non- motorized data counting / detection and classification. As well as Micro Sensors for AQM

We sell, install and maintain our represented products all over the United States.

Headquarters

- Roadsys, Inc
334 East Lake Rd #125
Palm Harbor, FL 34685

SOLUTIONS



LED STREETLIGHTING SOLUTIONS



SLIQ SERIES LED LUMINAIRES



NXT-LITE SERIES LED LUMINAIRES



NXT SERIES LED LUMINAIRES



SMART CITY SOLUTIONS AND APPLICATIONS



BASE
CONTROL

SAFETY
FLASHER

SPEED
MONITOR

NOISE
LEVEL

AIR
QUALITY

TRAFFIC
COUNTING

CITY SAFETY SENSORS



CMS SOFTWARE



SPEED
REPORT



POLLUTION
REPORT



TRAFFIC
REPORT

CMS SOFTWARE WITH ACTIONABLE REPORTS

EASY INSTALLATION

- Controllers easily plug into standard streetlight receptacles (ANSI C136.41 7-pin).
- Works with various LED streetlight manufacturers as well as HPS, as long as there is a receptacle.
- Use electricity from luminaires, network data from controllers and mid-block location throughout the city.
- No tools needed.



MANY SENSOR APPLICATIONS



**SLX-SPEED
MICRO-SENSOR**

- SPEED MONITOR
- CONTROLS LIGHTING
- ENERGY BILLING



**SLX-AIR
MICRO-SENSOR**

- AIR QUALITY MONITOR
 - OZONE (O₃)
- NITROGEN OXIDE (NO₂)
- SULPHUR DIOXIDE (SO₂)
- CARBON DIOXIDE (CO₂)
- CONTROLS LIGHTING
- ENERGY BILLING



**SLX-PARTICLE
MICRO-SENSOR**

- AIR QUALITY MONITOR
- PARTICULATE MATTER (2.5)
- PARTICULATE MATTER (10)
- CONTROLS LIGHTING
- ENERGY BILLING



**SLX-NOISE
MICRO-SENSOR**

- NOISE MONITOR
- CONTROLS LIGHTING
- ENERGY BILLING



**SLX-COUNTER
MICRO-SENSOR**

- TRAFFIC COUNTER
- CONTROLS LIGHTING
- ENERGY BILLING



**SLX-VIDEO
MICRO-SENSOR**

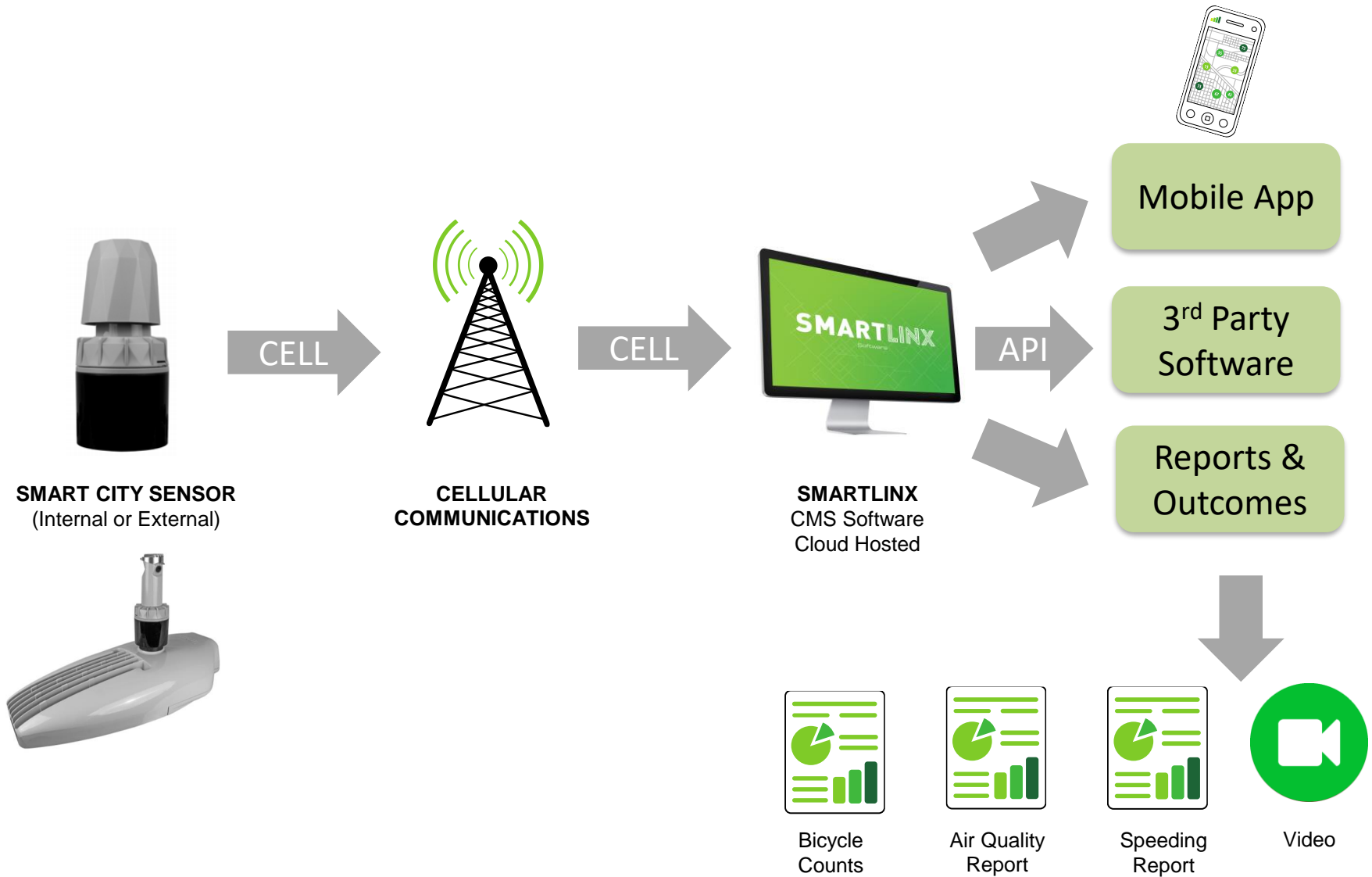
- VIDEO CAMERA
- INCIDENT ANALYSIS
- CONTROLS LIGHTING
- ENERGY BILLING

MICROSENSOR VIDEO



<https://youtu.be/GpZDL6Gm0Nk>

CELLULAR COMMUNICATION



VARIETY OF MICROSENSORS





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