



Micro-Sensing

WHO WE ARE



LED Roadway Lighting Ltd. is a Canadian owned streetlighting and smart city provider which was originally established in 2007.

Our smart city sensors division, Liveable Cities, was established in 2019.

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

Headquarters

- Halifax, NS, Canada

Office

- Victoria, BC, Canada

Manufacturing

- Amherst, NS, Canada

Manufacturing

- Caribbean

SENSOR SUITE



Noise



Speed



Video




Air





Particulate




PLUG & PLAY DESIGN

 Sensors plug into a standard socket.

 Streetlights are highly standardized and have one global standard control socket (ANSI C136.41).

 Works on any street light, from any vendor in the world.

 Even works on 30+ year old lights, which still have the same basic control socket.



Tool-less Installation



One base. Several applications



Plug and Play Design



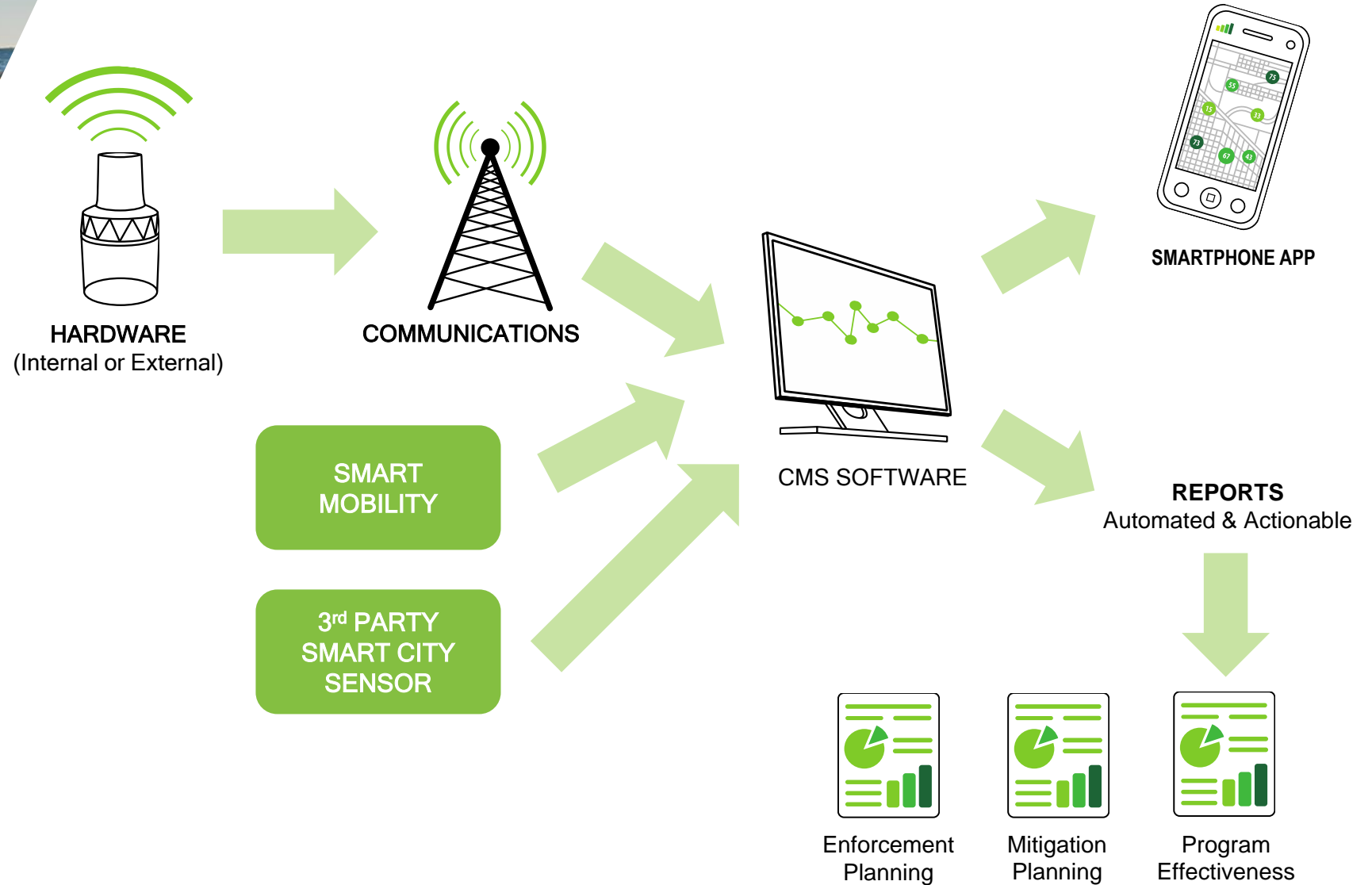


Tool-less Installation



**New, Scalable Ways to get
Previously Unattainable City Insights**

SMART SENSORS: DATA ACQUISITION



TRUCK ROUTING IMPACTS

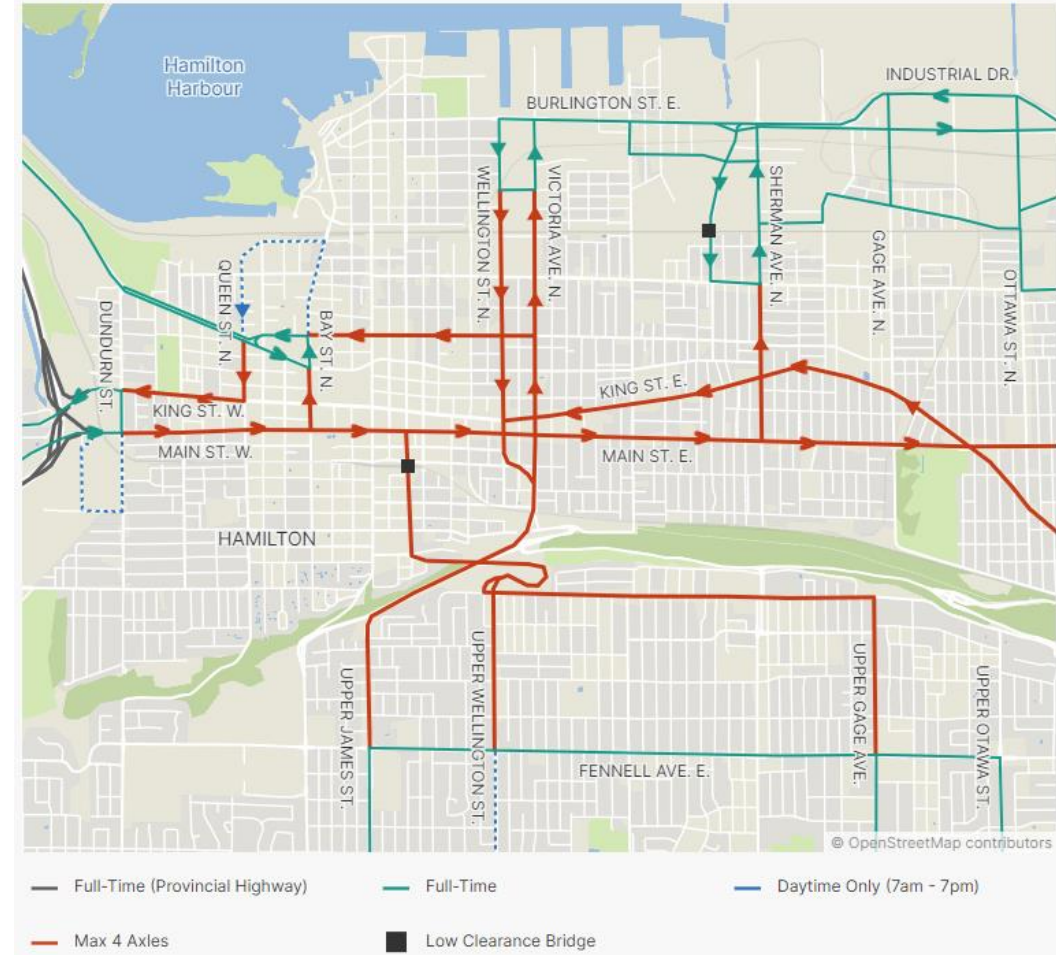
Ambient Noise Monitoring

Noise sensors placed on existing and new commercial truck routes to measure ambient noise levels.

Impact Monitoring & Reporting

Data collected by sensors will be used to establish a baseline prior to implementation of the ban and provide continuous monitoring throughout the initiative to support before/after impact.

New Truck Routes



TRUCK ROUTING IMPACTS

MAC Address	Weighting	Threshold	Min LEQ	Max LEQ ↓	Avg LEQ
F8A18830500000D	1	150 dB	42.8 dB	99.8 dB	67.79 dB
F8A18830500000E	1	150 dB	40.2 dB	99.3 dB	68.76 dB
F8A1883050000018	1	150 dB	44.2 dB	98.3 dB	57.76 dB
F8A188305000001E	1	150 dB	36.5 dB	97.2 dB	62.11 dB
F8A1883050000017	1	150 dB	38.5 dB	96.2 dB	59.22 dB
F8A188305000001B	1	150 dB	32.9 dB	95.9 dB	62.71 dB
F8A188305000001A	1	150 dB	43.2 dB	95.8 dB	61.47 dB

Peak Noise Trend

