



LED Roadway Lighting Ltd. is a leader in smart street lighting. In conjunction with our technology partners, we provide smart street lighting solutions to utility and municipal clients. The combination of LRL's award-winning NXT™ luminaires and our technology partners' leadership in smart grid networking technology allows users to manage street light assets, meters, and grid automation and demand response infrastructure on the same network. Visibility into street light operation enables condition-based maintenance, remote operation for safety and security, and the ability to adjust and manage lighting options based on the public's need, at the lowest possible total cost of ownership. We offer internal network interface card (NIC) or external (node) solutions using either star or mesh network topologies.

## SMART CITY/SMART GRID BENEFITS

- Energy savings up to 75% (or more, with dimming).
- Lowest total operating cost.
- Maintenance management costs are reduced.
- Communicate and control other grid-connected devices.
- Load shifting and balancing.
- Leverages deployed smart grid.
- Reliable, secure, and scalable.
- Wireless control and reporting of the luminaire asset base.

EXCLUSIVE INTERNAL NIC (NETWORK INTERFACE CARD) INSTALLED IN NXT-S LUMINAIRE





## SMART METER PORTAL

A web-based portal used to interface with smart meters.

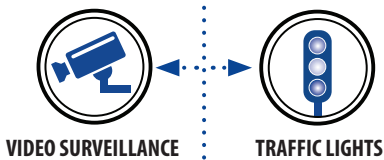
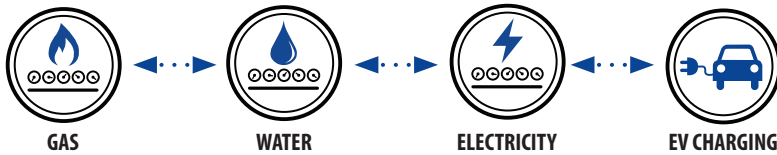


## CENTRAL MANAGEMENT SYSTEM

A web-based customer portal, used to interface with, and control, your street lighting assets.

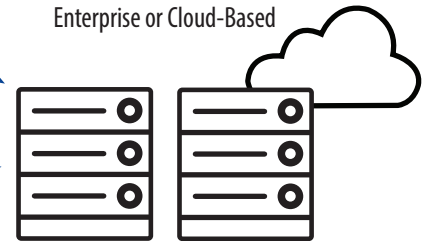
## SMART DEVICES

Allows for two-way communication with multiple smart devices on a single network, including meters (water, gas, and electric) and other grid and city infrastructure equipment.



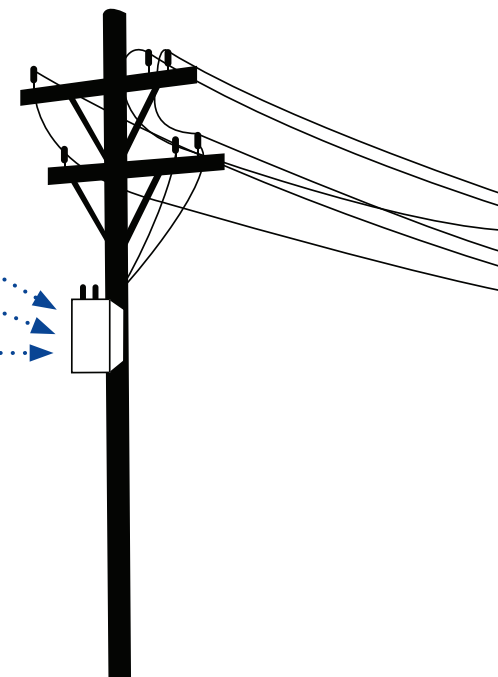
## SERVER

Enterprise or Cloud-Based



## LED LUMINAIRES EQUIPPED WITH NODES

Measures and monitors luminaire performance. Using wireless communications, the luminaire controller is remotely controlled using Central Management System.



## ROUTER/COLLECTOR

Collects data from smart meters and luminaire controls.