



SLV:GO

Fast, Field-Proven Solution for Deploying and Managing Intelligent Streetlights

SLV:GO gives your smart streetlight installation, conversion or maintenance projects the best of both worlds. SLV:GO is an out-of-the-box, field-proven, award-winning smart streetlight management platform AND entirely customizable to your project and workflow requirements.

SMART FEATURES THAT KEEP STREETLIGHT PROJECTS ON TRACK

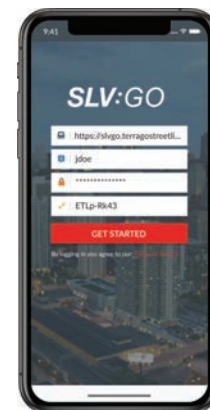
SLV:GO delivers out-of-the-box features designed, tested and operationally-proven for smart streetlight projects. SLV:GO seamlessly manages all the data you need to manage your project. From updating the inventory and plotting work locations, to providing a bird's eye view of lights, poles, warehouses and work crews, SLV:GO helps you manage your smart streetlight project from start to finish as well as ongoing maintenance. The SLV:GO cloud server interfaces with your SLV Central Management System, GIS, Asset Management, Work Order Management, and other platforms so your workers can update multiple systems with one integrated application.

The SLV:GO mobile app helps crews easily navigate to streetlight poles and complete new installations or maintenance tasks. Supervisors can manage operations with a dashboard that displays the current status of each Networked Lighting Controller (NLC). And they can produce project updates for management and progress reports for customers. Field crews can instantly scan QR codes to capture critical streetlight and controller attributes which then automatically updates the central management system and triggers the commissioning process of the streetlight. Employees

and contractors can be trained in minutes to install, commission, test, control, troubleshoot, remove and replace NLC's from the same easy-to-use app.

Features

- » Field-proven and operationally-tested smart device features
- » Full lifecycle modules include planning, inventory, installation, maintenance and analytics
- » Survey, install, commission, test, control, repair, remove and replace smart streetlight components
- » Integration with leading platforms and back-office systems
- » Customizable workflows with native iOS, Android and web apps





5 MODULES FOR FULL LIFECYCLE BENEFITS

Planning

- » Configurable planning workflows such as auditing and surveying for poles, NLC's, fixtures, lights and any other assets
- » Import, update and collect new GIS features and attributes
- » Seamless two-way integration with Itron's SLV and Esri's ArcGIS
- » Pole, NLC and fixture data/locations automatically uploaded into SLV
- » High-accuracy GNSS receiver integration including Trimble, Topcon & more
- » Field user access to GIS basemaps and CAD diagrams even when offline



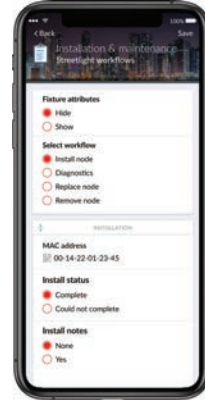
Installation

- » Configurable installation and commissioning workflows such as new NLC or fixture installation and more
- » Display streetlights on a map view or list view
- » View and update light, fixture and NLC attributes and conditions
- » Eliminate errors with data validation, location and proximity detection
- » Scan QR/barcode for node and fixture information
- » Updates SLV with pole, NLC and fixture data collected in the field
- » Automatically commissions the installed NLC's through SLV
- » Provides commissioning status updates from SLV



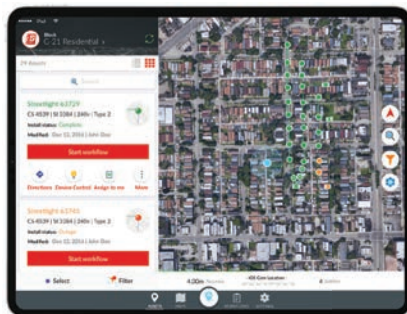
Inventory

- » Configurable inventory and logistics workflows including receiving, loading, transferring, assigning, disposing, returning to stock, RMA and more
- » Provides a full, chain-of-custody management solution for your critical assets
- » Scan pallets, boxes or individual NLC's for real-time tracking and data verification
- » Full record revision history tracks every change with user, date and time stamps
- » View location of NLC's & workers in real-time, assign tasks based on proximity



Maintenance

- » Configurable maintenance and operations workflows including outages, replacements, removals, inspections and more
- » Generate automated maintenance work order notifications based on workflows
- » View failure reports (current and historical) and outage status directly on mobile devices as updated directly from SLV
- » Control in real-time, one or more (based on configurable parameters lights) from a mobile device through SLV
- » View meter readings from SLV for lights being controlled directly on mobile devices to help field crews troubleshoot issues

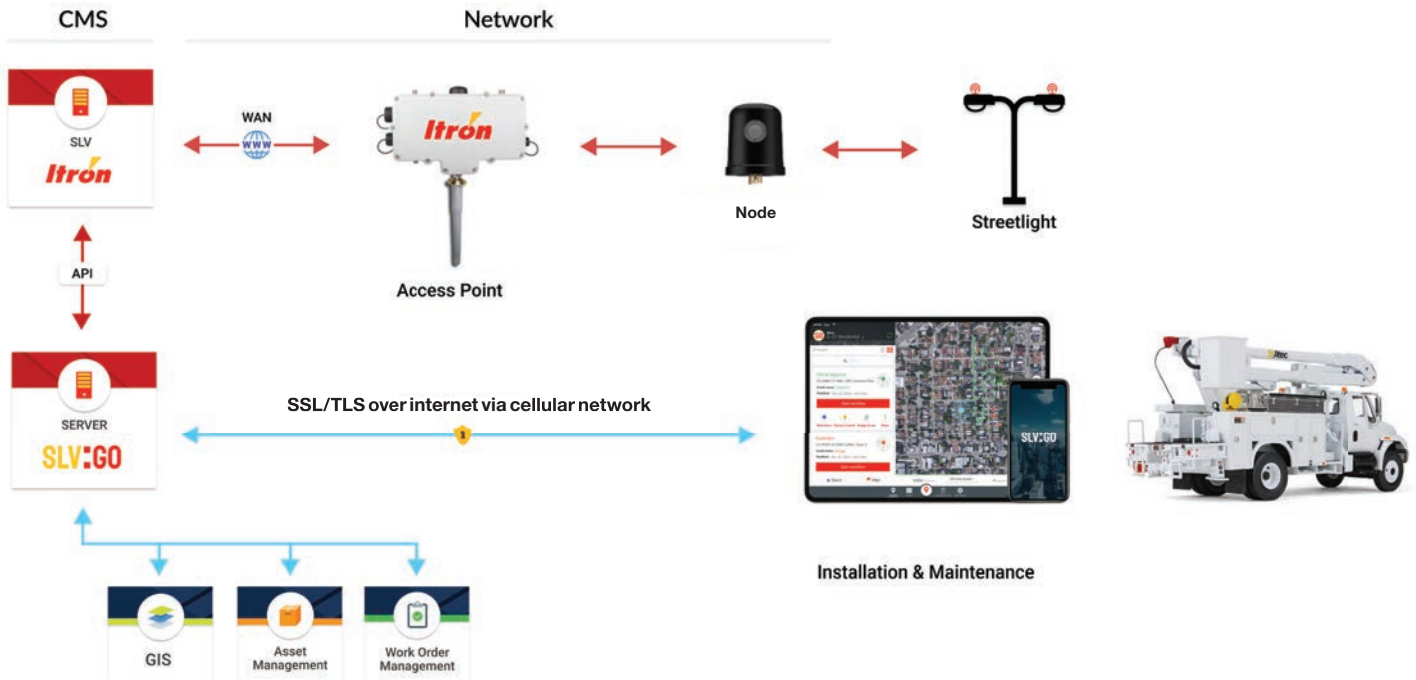


Analytics

- » On-demand analysis for detailed insights into your Smart City streetlights program
- » Pre-configured dashboards for quick and easy access to program status, installations, failures and exceptions
- » Track installation and maintenance crew progress on a monthly, weekly or daily basis
- » Up-to-the-minute access to data collected in the field to ensure accurate results
- » Flexibility to build your own analysis dashboard based on your data stored on the SLV:GO server

OPEN PLATFORM INTEGRATION

The SLV:GO solution offers out-of-the-box cross-platform integrations with CMS, GIS, asset management and other back-office systems, including SLV and Esri's ArcGIS, coupled with advanced workflow customization and data configuration options. SLV:GO enables end-to-end connectivity between crews in the field performing physical installation and maintenance and the back office software systems required to track and store asset information. Field crews can utilize the SLV:GO mobile application to control the lighting fixtures on the fly to confirm proper setup.



SLV:GO – TO – SLV

SLV:GO sends the data captured by the field crew continuously to the configured SLV instance. In addition to the identification of the node, this interface also sets the values of attributes in SLV with the data that is captured by the field crew. The streetlight commissioning process is automatically triggered by this interface. This interface is designed to maintain data integrity and proper commissioning of streetlights in SLV based on the new install, replace, or remove workflow, executed by the field crew.

FLEXIBLE WORKFLOW CONFIGURATION

SLV:GO offers an advanced, configurable workflow system. Workflows are configured with the server's drag and drop zero-code workflow editor to manage each streetlight record through its complete lifecycle. The powerful conditional logic that's built into the workflows gives mobile users the most efficient, intelligent questionnaire possible, in order to minimize data entry steps, reduce task times and maximize worker productivity.

BENEFITS

- » **Build a Plan for Success:** Plan your multi-phase streetlights project with investment-grade surveys
- » **Deploy Faster:** Achieve roll-out targets, lower project expenses, reduce O&M costs and accelerate energy savings
- » **Reduce Truck Rolls:** Provide crews with easy-to-use tools to install, maintain, diagnose and repair components
- » **Break Down Data Silos:** Synchronize data between GIS, asset management & back-office systems
- » **See the Metrics that Drive Performance:** Monitor program status, work orders, crew performance, failures and exceptions
- » **Manage the Full Chain of Custody:** Track inventory assets from manufacturer to installation and maintenance
- » **Customize and Optimize your Workflows:** Reduce task times, maximize productivity & eliminate errors with tailored features

WORKFLOW

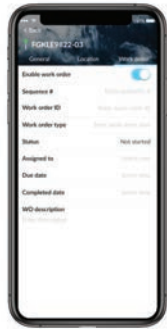
Streetlight locations and attribute data is loaded into SLV:GO



Customer specific field workflow is configured and deployed to SLV:GO app



Field crews assigned install tasks which are sent to SLV:GO app



Field crews verify pole ID. Validate, collect new, or update in-correct attributes



Field crew captures QR code with SLV:GO app prior to NLC installation



Node



SLV:GO app saves to SLV:GO Server and pushes Streetlight data and NLC MAC address to SLV



Streetlight is created in SLV and kicks off commissioning process. SLV:GO monitors for TALQ address



Once commissioned, SLV controls are enabled



City of Chicago

PARTNER AND CUSTOMER REFERENCES

Chicago estimates \$12 million in energy savings per year after full conversion of 270,000 streetlights, over 4 years. Using SLV:GO, field crews deployed 75,000 streetlights in the first 12 months, 20% more than yearly average, which translates into schedule compression of 10 months, and savings of \$10 million.



Richmond Hill, Canada project achieved annual energy savings of \$840,000 with conversion of 12,000 streetlights. Ameresco Project Manager stated at Smart 50 Award event at Smart Cities Connect "The solution easily saved us 6 months in project completion compared to our legacy tools," generating real savings over \$400,000

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