

SOLUTION OVERVIEW:

Network-as-a-Service for Street Lights

NETWORK-AS-A-SERVICE: THE BASICS

The network controller is the only hardware the operator must purchase. With this service, Silver Spring provides:

- » Communication to each device and control from the SLV6 software as part of a per-device, per-year service
- » Design and deployment meshing gateways –or Access Points– with cellular backhaul to provide redundant network connections to the SLV6 management system
- » Monitoring and management of updates to these devices from its three network operations centers 24x7, ensuring that the lighting operator has access to the latest features at all times

Improve Outdoor Lighting Operations with Centralized Control

With the adoption of networked controls, the design, deployment and management of outdoor lighting networks has become increasingly complex. Many lighting operators desire the benefits of greater energy efficiency, lower operational costs and the ability to add a range of smart city applications, but lack the in-house capabilities, resources and time to build these systems on their own. Silver Spring has simplified lighting control projects by offering its market-leading network management solution and Streetlight.Vision 6.0 (SLV6) Central Management Software as a managed service. In this model, lighting operators pay a simple per-device, per-year fee for connectivity and control, all backed by industry-leading performance guarantees.

Managed Solutions Deliver Proven Smart City Value

The Silver Spring Networks managed service model enables lighting operators of any scale from cities, municipalities and utilities to gain the benefits of centralized monitoring, control and real-time alerts for their smart city applications without having to worry about designing, building or maintaining a meshing communication network. Through the managed service solution, Silver Spring monitors and operates the in-field communications network, the cellular backhaul network and the cloud-based SLV6 city management platform. This allows the lighting operator to focus on managing and maintaining the street light infrastructure.

By leveraging Silver Spring's experience in deploying and maintaining more than 22 million devices globally, Silver Spring's managed service delivers:

- » The fastest deployment of a centrally managed lighting system
- » Full asset management, tracking nearly every aspect of the luminaire and pole
- » Continuous access to the latest features via firmware and software updates
- » Proven communication backed by Service Level Agreements and 24x7 monitoring from Silver Spring's Network Operations Centers
- » Proven business benefits without requiring specialized networking knowledge
- » Extensibility into other smart city applications

Networked Controller Choice

Unlike single-function, proprietary lighting control systems, Silver Spring offers a choice of photocell and control node partners. These networked controllers replace legacy non-communicating photocells via a standard NEMA socket; they may also be mounted inside the luminaire. Lighting operators can also select their network controller based on form factor, price or feature set. Operators can manage multiple brands or models of controller from the same control software because all controllers interact with the SLV6 management system.

World-Class Centralized Control And Connectivity At Your Fingertips

With a secure login to SLV6, lighting operators securely manage lighting assets through an HTML browser. Fully web-enabled means that there are no end-system applications to deploy, so the system can be managed through any device that has a modern HTML browser, including tablets and smart phones.

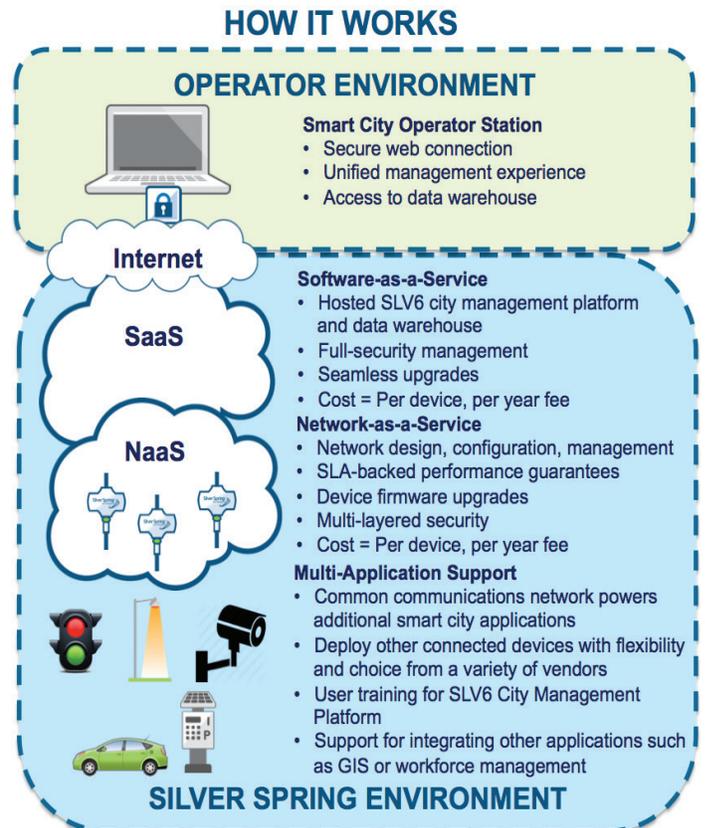
Not only does SLV6 provide a full suite of applications for management, monitoring and control, it also has a robust set of APIs (programming interfaces) that connect SLV6 to existing GIS or work order management systems. Operators have the flexibility to develop custom applications on top of the SLV6 management platform, in addition to accessing partner applications through the recently launched App Store.

Smart City Growth And Scalability

Smart street light networks have become the entry point for a smart city network. Silver Spring's communication and management platform is engineered to support a range of devices. To that end, it is built on open standards with stringent security protocols to ensure interoperability, security and reliability. Silver Spring has a proven track record of managing large-scale ubiquitous coverage outdoor networks that support multiple applications, including Intelligent Traffic System (ITS) devices, SCADA telemetry, electric/gas/water sensors and cameras.

World-Leading End-to-End Control System

Silver Spring Networks is the world leader in multi-application, standards-based outdoor networks for critical infrastructure. With more than 22 million devices deployed globally and more than a decade of experience building networks in some of the most demanding locations, Silver Spring offers proven solutions and the expertise necessary to deliver smart city networks now and into the future. Our SLV6 city management platform operates in more than 500 cities worldwide, demonstrating proven performance on a global scale. From monitoring city assets such as water, gas and electric to providing communications for intelligent stoplights and traffic controls, Silver Spring offers comprehensive solutions for the modern, connected city.



About Silver Spring Networks

Silver Spring Networks enables the Internet of Important Things™ by reliably and securely connecting things that matter. Cities, utilities, and companies on five continents use the company's cost-effective, high-performance IoT network and data platform to operate more efficiently, get greener, and enable innovative services that can improve the lives of millions of people. With more than 24.9 million devices delivered, Silver Spring provides a proven standards-based platform safeguarded with military grade security. Silver Spring Networks' customers include Baltimore Gas & Electric, CitiPower & Powercor, ComEd, Consolidated Edison, CPS Energy, Florida Power & Light, Pacific Gas & Electric, Pepco Holdings, and Singapore Power. Silver Spring has also deployed networks in Smart Cities including Copenhagen, Glasgow, Paris, Providence, and Stockholm. To learn more, visit www.ssn.com. Rev. 12/66/2016

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