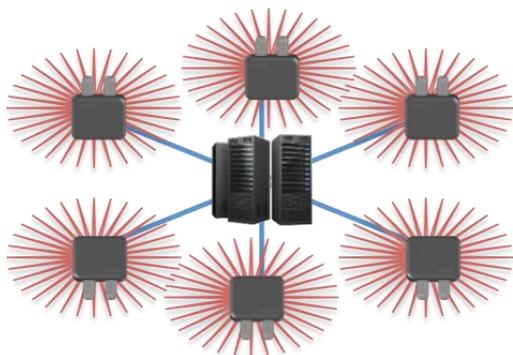




Constellation™ Network Access Module

The **REGULUS Constellation Network Access Module (NAM)** implements a powerful hub for a star-topology wireless network using long-reach radio links, communicating with **REGULUS StarLight Luminaire Control Modules (LCM)**.

The NAM is the key component in implementing the **REGULUS Constellation Network**. This communications network is a collection of star-topology links, with a NAM implementing the hub of each star. The NAM simultaneously communicates with up to 10,000 LCM endpoints at distances up to 10km. The NAM star topology is best suited to streetlighting control and other municipal applications, where farther endpoints and linear chains (roadways over bridges or through parkland) stretch mesh topologies to the breaking point.



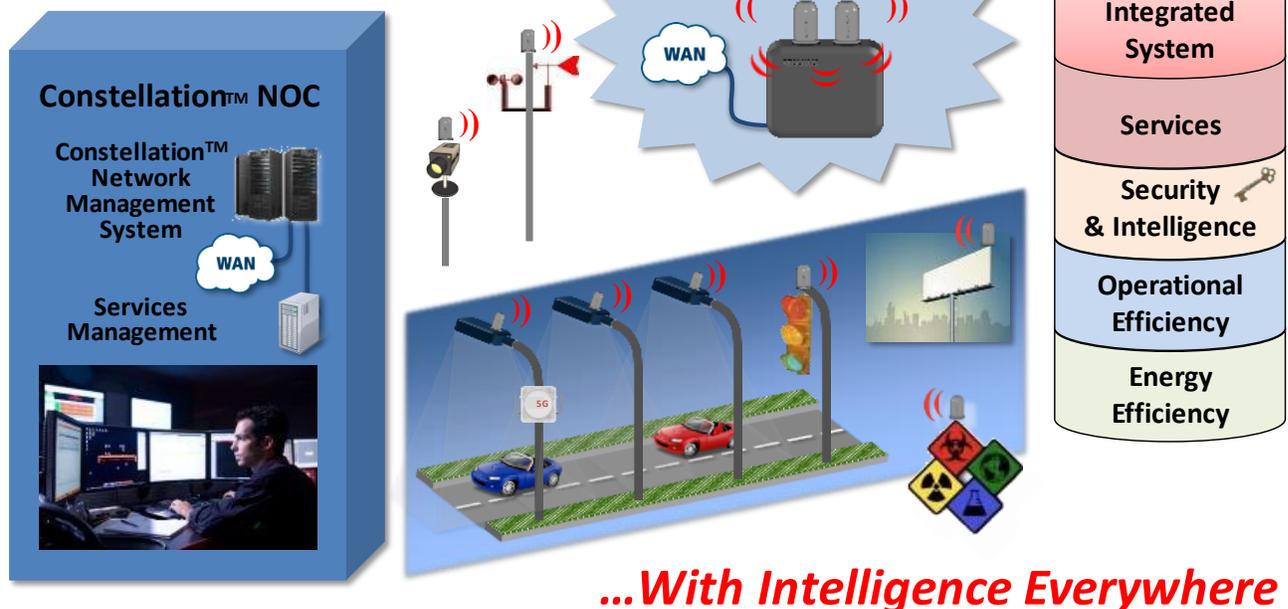
The Regulus NAM is a high performance, highly reliable communications hub, supporting radio and backhaul redundancy so that you never lose observability and controllability of your vital infrastructure assets. Use of unlicensed radio spectrum for the radio links eliminates acquiring expensive private spectrum to support your network. Robust and adaptive radio modulation formats eliminate the effects of RF interferers and reduce the influence of RF noise.

The NAM is managed by the same **REGULUS Constellation Luminaire Network Management System** that also manages the LCM endpoints, providing you with a unified network view and network management. Telecom-grade network management redundancy, security and fault tolerance is built in to the NAM, making it the most robust solution possible. Software upgrade in the field “over the wire” is supported from the Regulus NMS.

Environmental and Safety Specifications

Temperature Range: -40 to +85 °C
Ingress Protection Rating: IP66
Safety Compliance: CSA, UL, CE
Voltage Range: 90 to 240 Vac, 50 to 60 Hz

The Smart City Arrives...



...With Intelligence Everywhere

The **REGULUS Constellation Luminaire Communications Network** and **Network Management System** will take your street lighting and city to new heights of cost efficiency, service, and intelligence.

Introduce monitoring and control of all your NEMA-socketed LED luminaires with Regulus Luminaire Control Modules. Two-way, secure, reliable, unlicensed spectrum radio communications in each individual streetlight will allow you to save money by reducing energy consumption and dramatically reducing maintenance. And you can retrofit your existing LED luminaires from any manufacturer which have an ANSI-standard control connector with these capabilities.

Remotely manage and monitor your entire streetlight network at a glance in one central Network Operations Centre. Know exactly which streetlights have failed or may soon fail. Automatically measure exact energy consumption of each streetlight centrally every day. Control any individual streetlight from a secured, centralized point.

Integrate your streetlights city-wide with emergency responders. Or use your centralized control for demand-response load reduction. With the **REGULUS Constellation** network management and **StarLight** products, intelligence becomes truly smart. **REGULUS – brilliant solutions™**

