Constellation™ Luminaire Network Management System

The **REGULUS Constellation Luminaire Network Management System** (LMS) is the gateway for centralized remote monitoring and control of all lights in the **REGULUS Constellation Luminaire Communications Network**. It can also interface to other services management systems to coordinate with other related services (e.g. emergency responders, power company demand signals, traffic management systems, etc.), making it a key component in realizing a Smart City.

The LMS enables multiple authorized users to monitor and control LED luminaires in the Luminaire Communications System, each user with unique personal level of authentication and authorization. A user may be local or login remotely from portable devices (laptops, tablets, etc.) via a secured, authenticated, and encrypted connection provided by the LMS.

Information about the entire Luminaire Network is displayed on a map, with the location and general status of each luminaire graphically displayed. Detailed status is available, including GPS coordinates, age of lamp, hours of use, energy consumption, power, voltage,
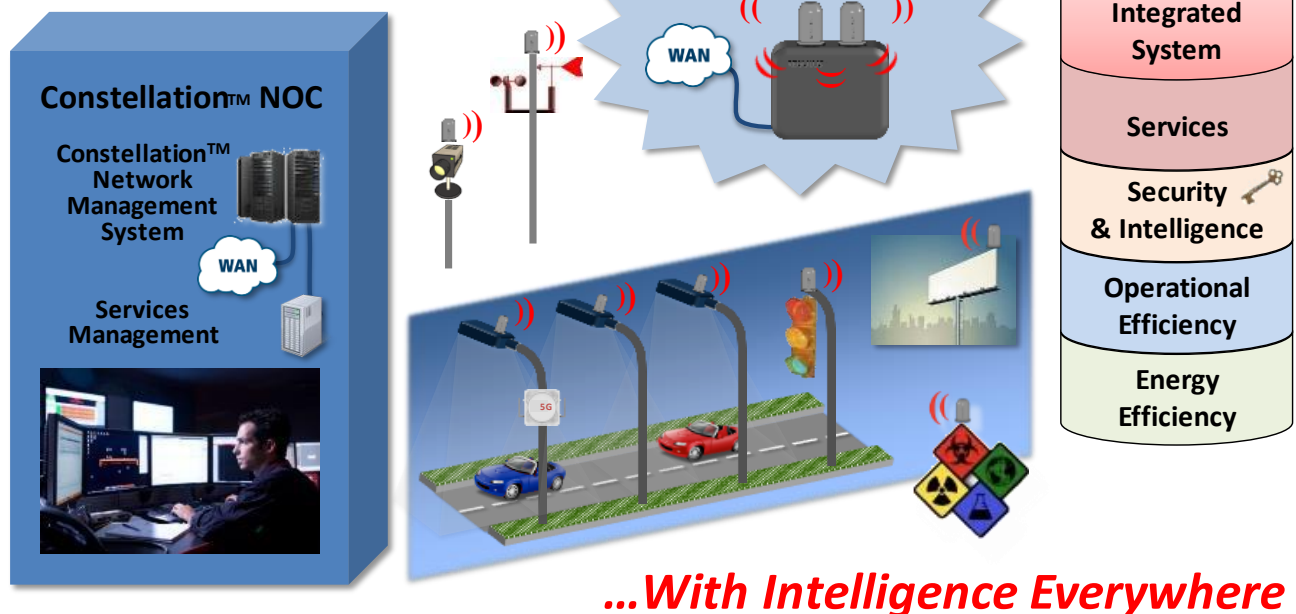
current, condition, etc. Each luminaire can be administered individually, or as one of many configurable groups. Dimming cycles can be programmed and downloaded, or immediate control of any luminaire can be exercised. Future Special Event control programs can be constructed and propagated to a selected group of luminaires

The **REGULUS** LMS is distinguished by industry leading security, reliability, and availability. Telecom-grade design results in LMS and network architecture with redundancy and duplication so that you never lose observability and controllability of your vital infrastructure assets. Encryption and security architecture prevents unauthorized network tampering.

REGULUS
brilliant solutions™

The Smart City Arrives…

Network Access Module

WAN

Constellation™ **NOC**

Constellation™ **Network Management System**

WAN

Services Management

Integrated System

Services

Security & Intelligence

Operational Efficiency

Energy Efficiency

…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*™