CUSTOMER CASE STUDY

Elecsys Light Guard Pulse

OVERVIEW

The Elecsys Light Guard Pulse is a pedestal-based telemetry system that allows users to remotely monitor and control lighting circuits – improving operational efficiency of lighting networks, reducing energy costs and increasing lamp life. Controlled via an intuitive and secure cloud-based system, Elecsys Connect, users can access real-time status 24/7, 365 days a year. The system also delivers alarm notifications via email or text when fixture outages, cycling, theft, faulty photocells or lost utility power occurs. With this technology, users also have the ability to schedule system-wide on/off times for energy savings and uniformity.

PROBLEM

A state Department of Transportation (DOT) team of two people is responsible for maintaining and ensuring continuous operation of roadway lighting systems throughout a large, western state. In order to identify outages or lights that require maintenance, the technicians routinely drive hundreds miles through remote areas of the state to check each fixture. After potential problems are logged and the necessary equipment is obtained, the technicians must then return to each site to make repairs.

SOLUTION

With a desire to improve efficiency and roadway safety, DOT officials decided to install two Light Guard Pulse units and participate in a five-month pilot program. During the test period, technicians were able to integrate the technology's features into their statewide system and begin using a computer or mobile app to accurately identify outage locations as well locations with near-term outages. This allowed the two-person team to prioritize maintenance needs and be more efficient with their time and travel.

Upon conclusion of the five-month test period, DOT officials determined that the Light Guard Pulse would improve roadway safety and provide real value to the department's bottom line. They ordered 10 additional units and plan to reorder incrementally until approximately 230 units are installed throughout the state.