PRESS RELEASE
For immediate release

NYX HEMERA COMPLETES THE INSTALLATION OF ITS INTELLIGENT LIGHTING CONTROL SYSTEM IN THE FIRST HIGHWAY RATED SPEED Tunnel FULLY LIGHTED WITH LEDs IN NORTH AMERICA.

Québec City, June 3, 2014. Nyx Hemera Technologies’ President and Chief Executive Officer, Pierre Longtin, is proud to announce the installation of the Tunnel Lighting Addressable Control System (TLACS) in the Carlin Tunnel, located in Nevada, USA.

Nyx Hemera Technologies’ TLACS has been installed in the first Highway Rated Speed tunnel that is fully lighted with LEDs in North America.

Based in northeastern Nevada and crossing over the Humbolt River, the quarter-mile long Carlin tunnel runs through an approximately $31 million refurbishing project and includes enhanced roadway drainage, new concrete near tunnel entrances and new lighting system.

Designed with P.K. Electrical for the Nevada Department of Transportation (NDOT), the new lighting system includes new LED luminaires, which are specifically designed for tunnel applications, and the TLACS, a sophisticated lighting control system that employs dynamic dimming that responds to ambient light levels on both the inside and outside of the tunnels.

The eastbound bore was completed in December 2013; the westbound bore will be finalized in November 2014.

“When LED lighting is used in road tunnels, an adapted and robust intelligent control system is necessary to be able to get the most out of all the benefits LEDs have to offer. The TLACS’ exceptional increases in energy savings, safety and equipment lifetime will allow NDOT to reduce their operational costs, by approximately half, during a 20-year lifecycle. This entails dramatic savings over other conventional systems,” explained Mr. Longtin.

Karen D. Purcell,P.E., Principal at P.K. Electrical, said, “The design team researched current lighting technologies to evaluate the most cost-effective luminaires for the tunnels. We are very pleased with our collaboration with Nyx Hemera Technologies. The TLACS plays a vital role amongst all the innovative solutions used in the design of the tunnel lighting system. The tunnel will use a lighting control system with the latest technologies that will not only enhance energy consumption and security but also improve operational management.”

About Nyx Hemera Technologies

Based in Quebec City, Canada, Nyx Hemera Technologies uses cutting-edge technologies in its Tunnel Lighting Addressable Control System (TLACS) to intelligently control luminaires in road tunnels. The TLACS integrates expert functions, such as the individual addressing of each luminaire, which helps to adjust brightness in tunnel entrances according to exterior lighting, and a preventive maintenance program, which generates complete diagnostics, such as the age of each luminaire. The main benefits of the TLACS for tunnel operators include: significant energy savings, decreased operational costs, increased security, and enhanced sustainable development. Nyx Hemera Technologies markets the TLACS worldwide for tunnel refurbishing projects as well as new tunnels using either HPS, Fluorescent or LED luminaires. For more information, visit: www.nyx-hemera.com

About PK Electrical, Inc.

PK Electrical, Inc is a self-performing electrical engineering, design and consulting firm based in Reno, Nevada. Since its inception, the firm has done public and private sector work in military, medium voltage design, universities, healthcare, utility, sustainable projects, roadway lighting, industrial, schools, religious facilities, libraries, airports, office buildings, parks, site lighting, traffic signals, master planning, fire alarm systems and power distribution. Their commitment to innovative electrical designs has led to tremendous growth and repeat clientele. The team has provided electrical experience to assure quality design of more than 3000 projects.
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