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PRESS CONTACT

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EMTEQ Drives Innovation in Interior LED Wash Lighting with RS485 and Digital Control

RS485 and digital control are among the most distinctive features, offering unprecedented ease of programming and functionality

New Berlin, Wis., USA (April 1, 2009) – EMTEQ has released a first in interior aviation LED lighting with its revolutionary new ELW90 wash lighting product, incorporating RS485 and digital control for greatly enhanced performance and simplified system integration. The features and benefits of ELW90 are an impressive technological leap forward compared to similar offerings, while EMTEQ's standard wash lighting functionality is retained.

Cabin Management Systems. RS485, used for long distance and multi-point data communications, greatly simplifies the programming and control of the ELW90 system. Project Engineer Cory Wasniewski explains, "Digital control and RS485 technology allow for direct interface and communication with Cabin Management Systems (CMS), eliminating the need for additional hardware to control the lights and allowing for optimal data transmission performance between multiple devices." The direct CMS interface includes a reporting system which communicates to the CMS following each command to advise if the command was interpreted and addressed properly. For aircraft without an existing CMS or RS485 bus, EMTEQ is developing an analog to digital interface bus module where customers can simply install a potentiometer or analogue control to the lights.

Additional features and benefits:

- single command fade
- near elimination of Electro-magnetic Interference (EMI)
- single bus wiring to control lighting zones within a cabin
- multiple light setting options
- less wire / fewer connections to terminate

For more information about ELW90, custom product development or any of EMTEQ's aviation products and services, visit www.emteq.com, call +1-262-679-6170 or toll free in the United States at 888-679-6170, or write to sales@emteq.com.

About EMTEQ and Its Partners

Incorporated in 1996, EMTEQ is a comprehensive solution provider, specializing in avionics systems and integration, interior lighting and cabin comfort, and exterior lighting products for retrofit and forward fit applications in the military, corporate, HOS/VIP, helicopter and air transport markets. To complement this product offering is EMTEQ's unsurpassed design, certification and consulting services. From electrical and mechanical design to interior reconfigurations, FAA certification services, Transport Canada document processing and interpretation, and technical support, EMTEQ delivers innovative products and responsive service on every program. Today, EMTEQ employs 430 people and operates its headquarters from a state-of-the-art, PMA and AS9100 57,000 sq. ft. approved facility in New Berlin, Wisconsin, with worldwide offices and manufacturing facilities in Florida, Winnipeg, Canada, Taubaté, Brazil, and Bachenbülach, Switzerland. EMTEQ also holds a strategic partnership with Cable Technology in Great Falls, Montana. Learn more about EMTEQ and its partners at www.emteq.com, www.acs-nai.com, and www.cteq.com.

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