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EASY-TO-ALIGN SINGLE CHANNEL PAPI FROM SIEMENS PROVIDES ENERGY SAVINGS, REDUCED MAINTENANCE, INSTALLATION COSTS

Energy savings of 21-48 percent over traditional PAPI units

COLUMBUS, OH, December 8, 2008 – The beam setting on the new Single Channel PAPI from Siemens Airfield Solutions (SAS) is quickly achieved in a most user friendly way by means of an internal controller board, allowing for very precise and stable elevation adjustment. The unique digital display, indicating the vertical angle, eliminates the need to manually use an aiming device for routine verification of vertical angle setting, minimizing maintenance time. It also eliminates the need to use a separate aiming device during initial installation. In addition, the PAPI's long focal length makes adjustment in elevation easy, accurate and stable.

Each new ETL-Certified single channel PAPI light unit from SAS uses only three 105W, 6.6A lamps, providing energy savings of 21 to 48 percent. Total lamp wattage for the unit is 315 watts – 21 percent less than traditional light units that use two 200W lamps and 48 percent less than traditional light units that use three 200W lamps. And, the lamps used for the PAPI are the same lamps used in SAS F-Range in-pavement lights, potentially decreasing spare parts requirements. The same PAPI light unit assembly is used on either a Style A or Style B system, also minimizing spare part requirements.

Reduced maintenance is another benefit of the new single channel PAPI. The unit is fully sealed and remains clean inside. Lamp, front glass, and red filter replacement does not require any tools. The actual vertical angle, a tilt indicator, and lamp failed indicators can be read from outside the PAPI light unit without removing the top cover. This allows quick troubleshooting, minimizing the maintenance effort needed to determine which light unit is tilted.

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The new PAPI light unit is exceptionally durable; its lenses are protected from sandblast by a hardened front glass shield and it's fully corrosion proof because only aluminum, stainless steel hardware and high-quality optical glass are used. It has very low wind resistance in the landing direction due to the light unit's very small shape, and its stable mounting on just 2 mounting legs reduces installation cost and is much easier to level compared to 3- or 4-leg light units.

The single channel PAPI system uses one optical channel consisting of only 2 lenses and 1 filter, which provides a very sharp transition from red to white, never exceeding three minutes of arc over the full beam width. The Style A system is for use with an AC voltage input. The Style B system is for use on current-driven 6.6A or 20A series circuits.

For Style A systems, a photoelectric control on the Master control cabinet automatically provides full intensity during the day and a reduced intensity (5% or 20% of full intensity) at night. A circuit breaker is provided to permit the input power to be de-energized for field maintenance.

About Siemens

Siemens Airfield Solutions (SAS) is recognized as the global leader in providing innovative, cost-effective solutions and services to support critical airfield operations. By supplying FAA-approved airfield lighting products and systems, SAS facilitates takeoffs and landings in adverse weather conditions and improves safety for aircraft on the ground. SAS also provides design-build capability, assisting its airport partners to smoothly and cost-effectively implement the latest technology for their airfield system control and monitoring needs. SAS is a business unit within the Traffic Solutions Division of Siemens Mobility. www.sas.siemens.com.

The Mobility Division (Erlangen, Germany) is the internationally leading provider of transportation and logistics solutions. With its "Complete Mobility" approach, the Division is focused on networking the various modes of transportation in order to ensure the efficient transport of people and goods. Complete Mobility combines the company's competence in operations control systems for railways and traffic control systems for roadways together with solutions for airport logistics, postal automation, traction power supplies and rolling stock for mass transit, regional and mainline services, as well as forward-looking service concepts. www.siemens.com/mobility

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