

News Release. October 2007.

South Australia gets first "HI-VIS" LED Pilot Activated Lighting (PAL) system.

Aldinga's busy airport just south of Adelaide has recently commissioned WSSAviation's new HI-VIS combination LED/Reflective runway lighting system. The HI-VIS LED lighting system was selected to replace the aging incandescent runway lights, providing significantly increased visibility while reducing electricity running costs and simplifying maintenance.

Installed in just one day, the new lights and PAL radio receiver bring greater reliability for general flying operations and night flying training. Apart from the bright lights that delineate the runway edge and thresholds, the HI-VIS product has a highly retro-reflective body to add additional visual conspicuity, by reflecting aircraft light back to the pilot.

The ability to re-use the existing in-ground wiring and thus avoid a costly cabling upgrade was also a good motivator for the Aldinga's management committee to select WSSAviation's unique lighting solution. Utilising two existing cable loops, the 60 HI-VIS lights are powered by a low voltage/low current series AC supply and switched via the PAL control system.

To help protect the LED components from voltage spikes that can be introduced via the power system, solid-state transient suppressors and inductive filters are fitted to each light.

To complement the 100,000 hour LED life and reduced power consumption provided by the HI-VIS system, the Aldinga committee added a great innovation through the use of re-cycled plastic stakes as a base to mount the lights. The small square stakes are resistant to in-ground deterioration while providing a non-metallic alternative for strength.