Port Authority

Fremantle, Australia

A local, major port authority found that it was spending vast amounts of money running the high intensity lighting towers for the wharf facility.

With ships coming and going with the turn of the tide at all hours of the night, the lights were often run for periods outside of the actual requirement when ships were delayed in arrival or departure.

A system was required for controlling the lights from a central location, after hours, on short notice.

Traditional industrial control solutions were beyond the budget of the Port Authority and lacked the flexibility and scalability required to future proof the system and maintain a reasonable ROI.

Through the team at CommtechWireless, a solution was devised for the Port Authority that met all of these requirements and more.

An aerial photograph was taken of the port and the surrounding areas and used to create a web front-end for CommtechMessenger, then BASEPage2000. A standard paging transmitter was then used to trigger relays controlling the power to the lighting towers using RELAYPage.

A RELAYPage unit, in either single or eight relay output versions, is connected to each tower over which control is required. CommtechMessenger sends a numeric message to the RELAYPage unit, telling it which relays to operate. The relays can be switched from one state to the other or they can be momentarily toggled.

The solution was rolled out and implemented at a fraction of the cost of traditional wireless telemetry solutions and the whole thing can be easily configured with the web-based user interface.

With the CommtechWireless devised solution, turning any given light out is as simple as clicking the relevant icon located on the aerial photograph used for the front end interface.

This simple system saves the Port Authority thousands every year in the running costs of each tower.

Location: Fremantle, AUS

CommtechWireless is a world-leader in the supply of wireless communication solutions for the Healthcare, Hospitality, Emergency Services and Casino industries.

With 4000 plus sites across 50 countries, Commtech is helping businesses everywhere to *get the message.*