



Solar Powered Camera Monitoring in Corpus Christi, Texas

Border and port monitoring is vital to America's security. In September '05 a Homeland Security Grant was issued to the TxDOT office in Corpus Christi, Texas. The funding was used to increase port security by monitoring all ferry and vehicular traffic traveling from the mainland to the City of Port Aransas/Mustang Island. Normally a 45 minute drive, the ferry ride is less than 10 minutes. Additionally, all cargo ships are observed to ensure that the "floating roadway" stays open/has no problems. This is critical with two naval bases close by.

Working with the local TxDOT representative, Electrotechnics a.k.a ELTEC designed a 24/7 solar powered camera system. Out of 21 cameras 17 are solar powered (two are 24 VDC with the remaining cameras powered by 12VDC.) The pan-tilt-zoom cameras all have heaters to prevent condensation with cool weather as well as maintain a minimum temperature when it becomes cold.

The cameras communicate several different ways to a central monitoring center: radio link to communicate across the channel via Ethernet, and fiber interface to a video switch.

Lightning strikes are a major problem in the area. The decision was made to use solar power for lightning immunity. No copper cable was used; thus eliminating any connection between the pole/device in the field and the switching equipment in the building. Also, the TxDOT office wanted to demonstrate that cameras could run without interruption on solar power. The system has not had a loss of load due to inadequate



power confirming the system works with the camera load. This now allows remote regions without readily available AC power to utilize the proven system.

For more information, contact Susan Marshall at ELTEC: 800-227-1734 or Sales@elteccorp.com

A Commitment to Excellence: ENCOM Extends Product Warranties

ENCOM Wireless Data Solutions has once again bolstered its reputation for reliability, thanks to new product warranties that rank among the very best in the wireless communications business.

Effective April 1, 2009, ENCOM's serial products, including the 5000 series of radios, now carry a five-year warranty, up from two years, while ENCOM's broadband products, headlined by the CommPAK BB series, now feature a three-year warranty, tripling the previous one-year term.

The change underscores ENCOM's commitment to quality, and demonstrates ENCOM's confidence in its expertise, its industry experience, and its constant improvements in the engineering and manufacturing processes.

ENCOM's clients can now be more confident than ever in their investment, and count on zero recurring costs for an even longer period of time.

"This move certainly sets us apart from our competitors, and shows, very clearly, our commitment to quality," says Dan Szcatti, Business Development Manager for ENCOM Wireless Data Solutions.

"We stand behind our products. The reliability and the field-proven nature of our serial and broadband products gave us the confidence to increase the warranties."

For additional information about ENCOM Wireless Data Solutions Inc. visit www.encomwireless.com.

Sacramento Sees Significant Improvement in Communications, Traffic Congestion and the Environment With Ethernet Solutions From Actelis Networks

"California's state capital is a great example of how cities can implement President Obama's proposed Universal Broadband Plan and 'Main Street Economic Recovery' program"

Actelis Networks® announced March 2, 2009, the company is keeping traffic running smoothly in California's state capital with its Ethernet over copper solutions. Like many cities in the U.S. looking to install new IP-based traffic controllers and cameras that improve road safety and reduce traffic congestion, the City of Sacramento needed to first upgrade its legacy telecommunications network to provide more sophisticated monitoring and control capabilities. With Actelis' Ethernet over copper products deployed, Sacramento simply leveraged the city's existing copper infrastructure and delivered fiber-like performance across its vast network.

"We selected Actelis because it is the leader in the Ethernet over copper space," said Ryan Billeci, a telecommunications

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