Case Study:

BUILDING A VIDEO SURVEILLANCE NETWORK FOR THE PORT OF RICHMOND IN VIRGINA

RADWIN's Wireless Solutions Empower the Port to Safeguard Personnel & Critical Assets

Overview

The Port of Richmond in Virginia sought to enhance security in its 121-acre port facility. HD video cameras were installed, and the port searched for a solution that would transfer video from dispersed locations back to its control center. Wi4Net, a leading system integration firm, recommended RADWIN's wireless point-to-point and point-to-multipoint solutions for the job.

Jasper Bruinzeel, Vice President, Wi4Net: "Securing the Port of Richmond required the most advanced wireless technology in the market. Having experience with RADWIN's systems, we knew that they were the best fit to address the port's requirements."

The Challenges

Establishing a wireless video surveillance transmission network for the Port of Richmond posed a number of challenges. The chosen wireless systems had to be able to:

» Deliver high-quality video in real-time, 24/7

» Operate in harsh waterfront conditions

» Transmit in non-line-of-sight

» Meet the port's exact security and performance requirements

The Solution

After a thorough evaluation, the Port of Richmond selected and deployed the RADWIN 5000 point-to-multipoint and RADWIN 2000 point-to-point systems to establish its video surveillance transmission network.

Incorporating the industry's most advanced technologies, RADWIN's radios operate seamlessly in the harsh waterfront conditions and non-line-of-sight scenarios.

"We are delighted that we've been able to upgrade the security of our port facilities. We now have port-wide surveillance coverage to support operational applications and secure wireless access via handheld devices to our security system."

James Bailey, Terminal Manager,
Port of Richmond, VA

RADWIN

The Results

» RADWIN's systems transmit high quality video from cameras to the control center in real-time with zero interruptions

» Security personnel stationed in the control center can monitor activity in the port area and react to unfolding events on the spot

» Port personnel can detect security violations and keep track of personnel and vehicle activity 24/7

» Safeguarding of critical port assets and infrastructure

RADWIN's wireless solutions transmit video from HD cameras to control center in the 121-acre port facility

Why RADWIN PtP & PtMP

» 24x7 video transmission from HD cameras with highest image quality

» Highest capacity of up to 250 Mbps for video streams, enabling vehicle plate recognition and providing clear identification of individuals

» Operation in non-line-of-sight

» Ability to install cameras in any location

» Extensive portfolio of products – from PtP, PtMP and mobility solutions

» Dedicated bandwidth per link; no single point of failure

» Fast and simple installation

» Lowest total cost of ownership

About RADWIN

RADWIN is a leading provider of sub-6 GHz wireless Point-to-Point, Point-to-Multipoint and FIBERinMOTION™ wireless mobility solutions that deliver voice, video and data with unmatched high-capacity for long ranges. Deployed in over 150 countries, RADWIN's solutions serve the needs of service providers, mobile carriers, governments, enterprises, public and private security companies and transportation organizations. RADWIN's solutions power applications including backhaul, broadband access, private network connectivity, video surveillance transmission as well as wireless mobile connectivity for trains, vessels and vehicles on the move.

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About Wi4Net

Wi4Net, a division of CelPlan Technologies Inc., offers an innovative family of wireless video surveillance and wireless broadband solutions that feature unique flexibility in design and deployment. www.wi4net.com

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