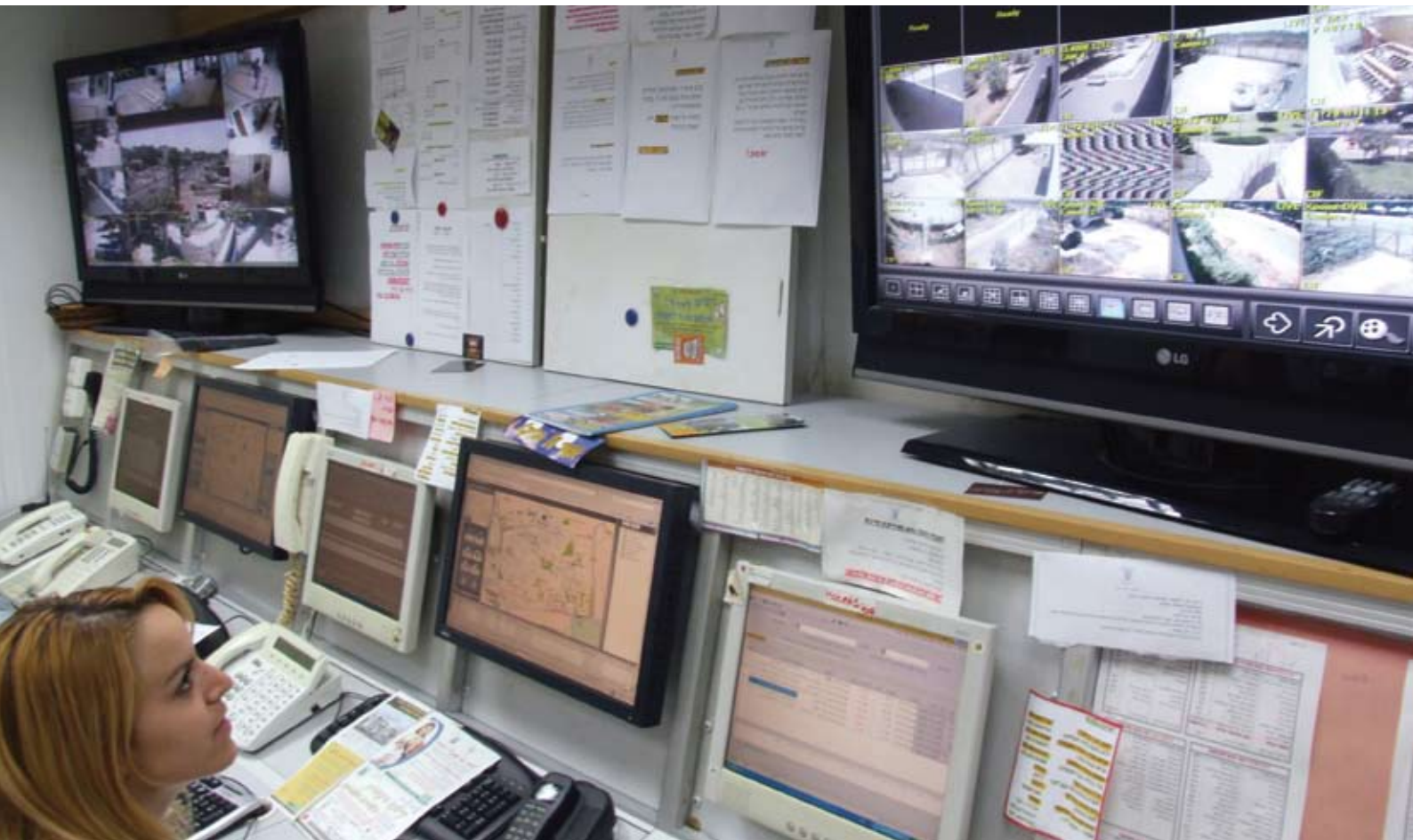# Ness Ziona Wireless City
Enhancing Public Security & Safety

The goal of the Ness Ziona municipality in Israel is to enhance residents' security and safety by implementing a city-wide video surveillance network. In one of the most ambitious projects in Israel, the municipality deployed over 300 cameras in 48 locations throughout the city, including public parks, schools, community centers, parking lots and busy traffic intersections. The municipality then evaluated several alternatives for transmitting video from the cameras back to its command and control center and decided to undertake a wireless city initiative.

RADWIN's WinLink 1000 wireless broadband systems were chosen to serve as the critical building block of the Ness Ziona Wireless City Project.

RADWIN's systems were deployed on time and on budget, and today are used to transmit video 24/7 from the hundreds of cameras deployed throughout the city back to the municipality's control center. Personnel stationed in the control center rely on RADWIN's systems to track and monitor events in real-time, and can zoom-in on suspicious activity and alert First Responders (Police, Fire, First Aid) to high-risk situations on the spot.

Ness Ziona municipality's control center

Customer

Ness Ziona municipality. Ness Ziona is a city located in the center of Israel, with a total population of over 35,000.

Challenge

The Ness Ziona municipality's major challenge is to enhance public safety. Establishing a video surveillance network was a must. Critical to the network's success was finding the right video transmission solution.

The video transmission solution had to provide the following capabilities:

• Deliver high-quality images in real time.

• Fast to deploy in order to meet the municipality's ambitious time and budget deadlines.

• Simple to install and maintain.

• Provide high-bandwidth to backhaul traffic from multiple cameras.

• Serve a range of scenarios - the solutions had to be installed in a variety of locations both indoor and out.

RADWIN's Solution

RADWIN's WinLink 1000 systems were chosen for video surveillance transmission. Delivering up to 20 Mbps throughput, a single RADWIN link backhauls video traffic from up to 10 cameras.

Compact and robust, RADWIN's WinLink 1000 systems meet the municipality's exacting security demands. They overcome barriers to line-of-sight, operate flawlessly in the interference-ridden environment and provide extensive coverage.

Ever since the video surveillance network and RADWIN's links were deployed, crime, theft and vandalism in Ness Ziona has been considerably reduced.

Benefits of Using RADWIN's Wireless Broadband Systems

• Deliver actionable surveillance information in real-time - enabling personnel to respond to unfolding events on the spot.

• Links were installed in record time, enabling the municipality to meet rigid deadlines and achieve immediate results.

• RADWIN's systems provide high-speed connectivity over large distances.

• Flexible and scalable, RADWIN's systems give Ness Ziona the freedom to offer more services quickly and cost-effectively.

RADWIN's WinLink 1000 transmit video in high-resolution 24/7

> " Thanks to the surveillance network and RADWIN's equipment we have improved the safety and wellbeing of our residents. "

Tomer Tidhar, Ness Ziona Municipality

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