FOX STREAM
INTELLIGENT VIDEO

Luxurious Housing
Exterior Intrusion Detection (PIDS)

The Challenge

MARNET Solutions, one of Foxstream's integrator partners based in Washington State, USA, contacted us to discuss using our technology in a residential compound. For both security and situational awareness, this new construction project needed a professional and reliable analytics solution to monitor the grounds and multiple structures. They decided to pursue an analytics solutions, as basic camera motion detection, which generates many false alarms, was not a viable option. This solution had to integrate with Milestone's XProtect VMS, as well as support Arecont 4K cameras, which had been specified to provide a wide field of view with greater DOI (detect, observe, identify) distances.

The Solution

After extensive research of Milestone compatible analytics solutions, MARNET decided to do an evaluation of Foxstream's FoxVigi solution, and ran it on their test system for three months. The test system had the same cameras and infrastructure as the target project, providing a meaningful evaluation of suitability. MARNET applied rigorous testing, implementing various advanced configuration options. "*The software performed impressively, attaining very reliable detection with extremely low false alarms. It was the combination of this solid performance, and FoxVigi being a locally installed and managed product, that finalized*

↗ **Analysis Module:**
FoxVigi, Exterior Intrusion Detection.

↗ **Customer:** MARNET Solutions

↗ **Site:** Confidential

↗ **Industry:** Real Estate

↗ **Query:**
• Detect people entering the property
• Be compatible with Milestone's VMS
• Very few false alarms.

↗ **Overview:**
Provide surveillance evidence and property situational awareness.

the decision to deploy FoxVigi on the perimeter cameras", explains MARNET Solutions' CEO Brent Woodward.

■■■ Close-Up Detail

Foxstream's analytic software is analyzing an area covered by eleven Arecont and Bosch cameras. Placed at various locations on the property, the cameras monitor traffic areas such as roadways, entryways, and interior yards. FoxVigi's integration with Milestone alarms and push notifications, enables very effective alerting, delivering an immediate review of any alarm, whether on-site or on mobile devices.

The Arecont 4K cameras were key to perimeter monitoring, and were placed in locations that provide the widest coverage at highest resolution. The aesthetic requirements of the project required custom mounts be designed and fabricated to match the architecture, maintain the watertight integrity of the exterior walls, and provide an elegant but obvious deterrent. The camera mounts mimic exterior lighting designs, recessing the camera in a clean and simple housing.

"*The lessons learned during the testing period proved invaluable in the final project implementation. The ability to tweak the analytic settings of each camera for it's unique environment, and refine the communication between the FoxVigi and Milestone servers simultaneously, led to success in building a solid performing system*", summarizes Woodward.

■■■ Overview

MARNET reported the goals of security and situational awareness for this project were attained. "*In addition to providing surveillance evidence to security and law enforcement personnel, the camera system, bolstered with Foxstream analytics, provides significant peace of mind and convenience to the customers*", says its CEO.

Simple tasks such as easily checking on a package left at the door or monitoring the activities of service personnel, provides convenience and situational awareness. Without the false alarms caused by pets, trees and headlights, which can cause an indifference to such alerts, a certain peace of mind is attained, knowing that reliable intruder detection is functioning at all hours.

MARNET Solutions
www.marnetsolutions.com

MARNET Solutions engineers IP camera systems and the underlying network infrastructure. Focusing on challenging and high context environments in the maritime, residential, and commercial industries, their services are generally engaged when project requirements are such that standard out-of-box solutions are not sufficient. Our tenets are: •In-depth Knowledge •Continuous R&D •Ultra Reliability •Attention to Detail.

Milestone Systems
www.milestonesys.com

Milestone Systems is a global industry leader in open platform IP video management software. The XProtect platform delivers powerful surveillance that is easy to manage, reliable and proven in thousands of customer installations around the world. With support for unlimited numbers of cameras, XProtect is ideal for medium and large multi-site installations.

FOXSTREAM
EMEA • +33 427 118 030 • contact@foxstream.fr • **www.foxstream.fr**
AMERICAS • +1 305 600 4461 • contact@foxstream.us.com • **www.foxstream.us.com**

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