AGENT Vi

Case Study

Agent Vi Empowers 'Spyke Security' to Streamline Monitoring Service

Product:
Vi-System – Real-Time Video Analytics

Application:
Security and Perimeter Protection

Customer: Spyke Security

Location: Alkmaar, The Netherlands

Vertical Market: Industrial Zones, Construction Sites

Agent Vi Partners:
Secured by web – Value-added Distributor
Milestone – Video Recording System
Axis Communications – Cameras

Challenge

Spyke Security is a security firm that offers remote monitoring through their Command & Control Center in Alkmaar, Holland. Sites secured by Spyke Security include Hoorn '80 Business Park, spread over 65 hectares and home to some 160 companies, as well as multiple construction sites which suffer from theft and vandalism, automotive dealerships, and additional sites.

Recognizing that its staff monitors several hundred cameras, 24/7, Spyke Security sought a real-time video analytics solution that could be installed at its most sensitive sites in order to automatically detect and alert to incidents and events. Rather than relying on human observation alone, Spyke Security wanted to offer its customers an enhanced option which offers superior detection capabilities. Indeed, a high performance real-time analytics solution could increase Spyke Security's success rate and lead to improved customer satisfaction. Moreover, Spyke Security sought to benefit from decreasing its operational costs through reducing staff and relying on automatic detections and alerts.

Solution

In order to offer the highest level of security to its customers, Spyke Security purchased 100 licenses for Vi-System – Agent Vi's real-time detection and alert software – and installed it in multiple sites. Specifically, Vi-System was installed through embedding the Vi-Agent edge device component in the following cameras: Axis 221, Axis 214, Axis 232d+, with such cameras linked to the Milestone XProtect Enterprise recording system and Secured by web's Meldweb web-based command and control application, which are deployed by Spyke Security. Products from these partners are certified as fully integrated with Agent Vi's software, allowing seamless installation and operation of real-time analytics.

Various analytics rules were defined in line with the threat assessment for the individual sites secured by Spyke Security. The rules include:

- **Person crossing a line** to detect and alert to unauthorized personnel entering restricted areas, to be applied to both fixed and PTZ cameras;
- **PTZ – Person moving in an area** to detect unauthorized personnel moving in restricted areas, and to track their motion path as they move;

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—Managing Director
Spyke Security

- **Loitering** to detect persons sojourning excessively in an area and behaving in a suspicious manner (standing idly, stopping numerous times, delaying and procrastinating);
- **Stopped vehicle** to detect vehicles that stop in sensitive no-stopping zones.

Result

The introduction of Vi-System significantly enhances the level of security offered to Spyke Security's customers. As a result of Vi-System's automatic detections in line with pre-defined rules, and the audio and visual alarms triggered in Meldweb, Spyke's guards are immediately aware of any security breaches, incidents and suspicious behavior occurring at their sites, allowing real-time responses to the events as they unfold.

For example, Spyke Security notified police to the entry of an intruder at a vacant construction site that they secure, following an automatic detection by Vi-System. The surprised thief was apprehended by the police. Another of Spyke Security's clients, the Hoorn '80 Business Park, has reported an 85% drop in disorderly and criminal activities (street racing, illegal waste disposal, unwanted gatherings of people).

René den Dekker, Managing Director of Spyke Security commented that "we chose Agent Vi's real-time analytics because it is the most cost-effective solution on the market. Due to Agent Vi's open architecture approach, we did not have to adapt or replace any components of our existing surveillance system. Moreover, the solution offered us maximum flexibility to work with a wide range of edge device vendors, applying different analytics rules to both fixed and PTZ cameras."

Furthermore, Bart Sebregts from Secured by web, Agent Vi's distributor in Holland, highlighted the importance of the open architecture, which has allowed full integration (and subsequent operation) with their command control application, Meldweb. Furthermore, he noted that the extended support package offered by Agent Vi is very attractive to the customer, allowing close accompaniment in the early stages of the installation, and maintenance and upgrade support for the long-term.

"Spyke Security is Agent Vi's first installation in the Netherlands, and it is an interesting business model for streamlining monitoring operations," commented Ariel Frischoff, VP Sales EMEA & APAC, at Agent Vi. "With hundreds of cameras to observe, automatic monitoring by Vi-System ensures that Skype Security can offer its customers top-level security, which is particularly important for sites that are left unmanned at nights and during weekends and holidays. This is quite an achievement in light of the challenges faced, such as restricted network bandwidth, wireless cameras, complicated outdoor environments and more."

Vi-System detected an intruder in a vacant construction site secured by Spyke Security. After receiving an alert, staff at Spyke Security notified the police, who then arrested the surprised thief.

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About Agent Vi

Agent Video Intelligence (Agent Vi) is a leading provider of open architecture, video analytics software deployed in a variety of security, safety and business intelligence applications worldwide. The comprehensive video analytics solutions offered by Agent Vi extend from real-time video analysis and alerts to forensic search and post-event analysis, and are fully integrated with a range of third party edge devices and video management systems.

Integrating Agent Vi's advanced video analytics capabilities into existing or new surveillance networks enables users to benefit from the true potential of their surveillance networks, transforming them into intelligent tools that respond to the practical challenges of the 21st century.

About Vi-System

Vi-System is Agent Vi's real-time video analytics software, transforming standard surveillance networks into intelligent and effective detection and alert systems.

By performing real-time analysis of the video stream, Vi-System identifies and generates alerts for a variety of user-defined events relating to people, vehicles and objects. Used for applications such as security, safety and business intelligence, Vi-System offers effective monitoring of multiple video sources in parallel, enabling automatic detections, alerts and responses to events, as they emerge.

Based on Agent Vi's open architecture, pure-software approach, Vi-System can be easily integrated with a wide range of edge devices and video management systems, in new and existing surveillance networks.

Vi-System boasts the combined benefits of superior detection performance, high scalability, installation simplicity and ease of use, making Vi-System the most advanced, comprehensive and cost effective real-time video analytics solution on the market.

About Secured by web

Value added distributor in Holland and Belgium, for Agent Vi's Video Content Analysis Software, Network Video Recording Software, IP Camera Hardware, Audio over IP, and Meldweb Command Control Application. Founded in 2000, Secured by web has over 10 years experience in security applications.

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