

Storage Warehouse Exterior Intrusion Detection (PIDS)

➤ Analysis Module:

FoxBox, Exterior Intrusion Detection.

➤ **Customer:** construction equipment rental company (confidential)

➤ **Sites:** + 260 sites in France

➤ **Industry:** Logistics

➤ **Query:** Installation of a videosurveillance system to detect intruders in storage warehouse yards. Few false alarms required, with great value.

➤ Overview:

- Added value to protect their investments
- Deterrent effect
- Repressive effect (arrests)
- Immediate call to Law Enforcement

■ ■ ■ The Challenge

Foxstream's integrator partner needed a perimeter protection solution for one of its French clients, a construction and professional equipment rental company. Up until the mid-nineties, their warehouse network was exclusively equipped with intrusion barriers. In the 2000s, they started using perimeter protection with infrared detection systems. The equipment was not performing very well, and would trigger many false alarms. The on-site security staff would frequently end up unplugging the system to avoid continuous false alerts. With the company spreading and growing, security needed to be reconsidered. Backyards needed to be protected as well. As they were not up to date with the latest developments, they decided to test the efficacy of various technologies and worked with several partners on pilot sites to see which option would correspond best to their particular needs. Foxstream's FoxBox, propounded by our integrator partner, proved to be the most performing and reliable solution they tested.

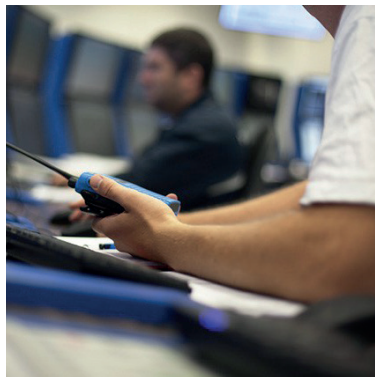
■ ■ ■ The Solution

Among the different requirements, this client wanted a simple solution, easy to deploy, as it would equip several hundred sites. However, simplicity should not overtake performance: the solution also needed to be reliable and trigger very few false alarms. Finally yet importantly, it needed to be connected to a remote control center that would be in charge of real-

time doubt removal and immediate call to action to Law Enforcement. As the FoxBox matched perfectly all these prerequisites, our partner decided to select and present Foxstream's FoxBox on this project, and won the tender.

■ ■ ■ Close-Up Detail

The client wanted to secure their exterior exhibition and storage facilities, which contained construction equipment for lease. In order to have an efficient exterior videosurveillance day and night, the client chose color cameras with an offset of the infrared illuminators to minimize false alarms caused by rain or insects. These cameras are connected to the FoxBox, an all-inclusive video analysis system conceived by Foxstream. It combines both hardware and software: the hardware required for the video stream acquisition, recording, feedback of events, with the outdoor intrusion detection analytics software, including tools used to review and broadcast recordings and events. As the solution is Plug'n Play, the cameras simply need to be connected to the FoxBox, and a dedicated interface allows setting parameters, accessing live display, event log consultation and video playback. The FoxBox automatically sends alarms in "push" mode to the remote control center that proceeds to real-time doubt removal and calls Law Enforcement when necessary.



■ ■ ■ Overview

The FoxBox has been equipping the client's numerous sites since mid-2013. Four years after the first installation, more than 260 sites are equipped. Several in flagrante arrests have been made possible thanks to this solution. This intelligent video analysis system represents a precious added value for our client, to protect their investments and work efficiently every day. The deterrent effect works well and videos have proved that many intruders got discouraged and left the site without stealing anything. For those intruders who were not sufficiently impressed, many arrests have been made possible thanks to the real-time alerting and immediate reaction of the monitoring staff.

With the combination of reliable and immediate doubt removal and effective call to action to Law Enforcement, this video system has proved invaluable for the protection of the client's facilities.



Digging deeper...

In a classic "motion detection" system used for intrusion detection, the remote control center operator receives the alarm information without any image. He must therefore find the right site in his listing, connect to the camera, view the last minutes that were recorded and find himself the sequence where the intrusion was made. As you can imagine, these tasks take some time and when Law Enforcement can eventually be called and come to the site, it is too late.

In an **intelligent video detection system**, two ways exist to proceed to a fast video doubt removal:

➤ "pull" mode

When the alarm information arrives at the monitoring station, an automatic process is put in place to address immediately surveillance equipment and retrieve the corresponding video information within a minute.

➤ "push" mode

It is currently the fastest way to deal with an alarm, as the alarm information is received **AT THE SAME TIME** as the video clip of the intrusion. The operator can therefore react immediately. FOXSTREAM uses push mode alerting in all its intrusion detection solutions.