Cannes, France

CUSTOMER: Centre de Protection Urbain (CPU) de la ville de Cannes

PROJECT OBJECTIVE: To improve both road and public safety

PROJECT CHALLENGE: To automatically identify the license plates of suspicious vehicles.

SITUATION

Cannes is a major international tourist destination. It has a permanent population of over 70,000, and welcomes around 2 million visitors every year.
In terms of security, Cannes has been recognised as the French city with the most extensive urban video surveillance system. In fact, the city's video surveillance system has almost 300 cameras, and as a result, the police have been able to deal with as many as 1400 disturbances a year.
For the G20 Meeting in Cannes, it was decided that an intelligent video surveillance system should be installed.

SOLUTION

The project implemented in Cannes includes the installation of licence plate recognition systems in existing video surveillance cameras.
The principal features of the project are:

- Very accurate automatic recognition of French licence plates on public roads, (precision of over 90%).
- Successful use of video surveillance cameras which had not been specifically designed to detect licence plates.
- High-quality video recordings of vehicles, to identify their make, model and colour.
- The system matches the licence plates recognised against police data bases. If there is an alert out for the vehicle, whether because it is stolen or suspect, an alarm is generated.

BENEFITS

ViFence, the intelligent video analysis system used by the Cannes Police Department (France) contributes the following functionality to the new security system:

- **Speeds up Response time**, since it automates licence plate detection for suspect vehicles.

- **Increases the Effectiveness** of the security system, since it is works 24 hours a day, 365 days a year, with no rest or distractions. Makes Police operations easier, by consulting databases and providing warnings.

- **Improves Control.** High-quality event-based recording reduces storage requirements and the time taken to search through videos, without sacrificing any information or details. The necessary data, of the right quality.

"We appreciated the flexibility of the system that interacts via a unified interface with third-party software like Sinovia without any modification of the installations on the grounds."

"This tool provides decision support and enables the operator to have better responsiveness."

"The system allows you to create a network of cameras for license plate recognition to identify the vehicle in real time in the entrances and exits of the city."

CPU Cannes