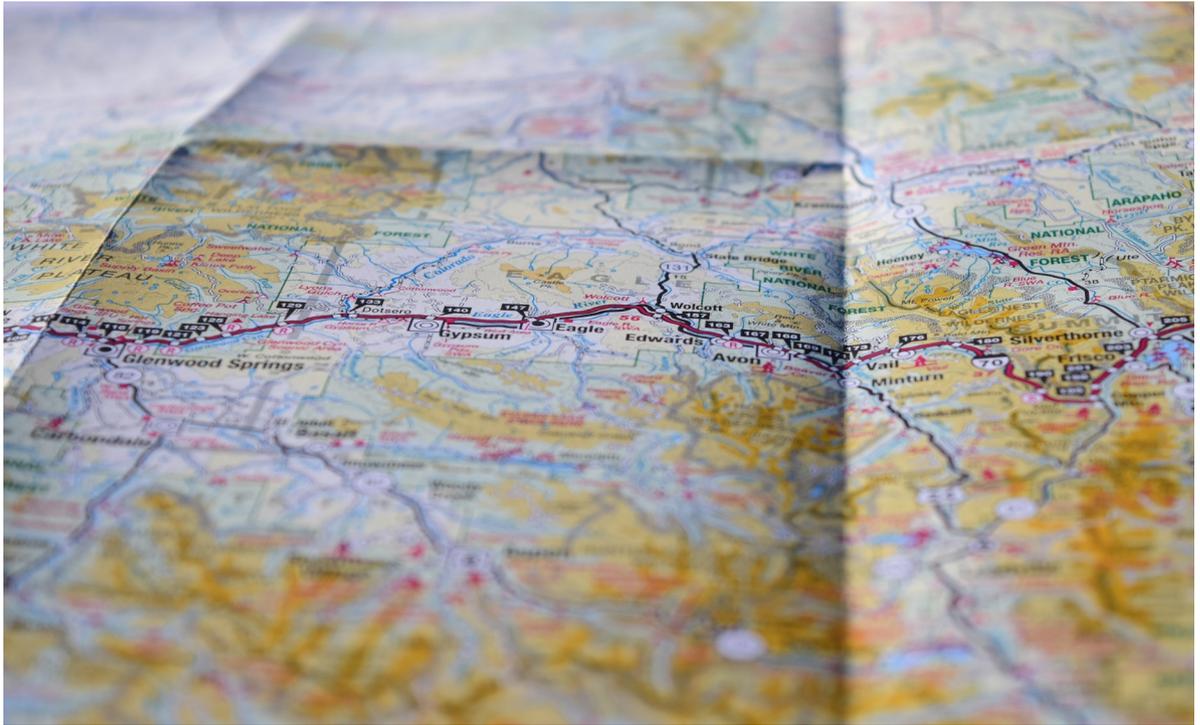


STATE BORDER



THE CHALLENGE

A newly established independent State was keen to revamp its economy and infrastructures for its integration into various Western European political and economic institutions. As a part of the Soviet Union, borders were never an issue; however, in view of becoming a member of the European Union in 2004, securing its 1,150 km long land boundary with an EU-standard security system had become top priority.

The different existing systems installed at the State's border stations had all at one time or another proved inadequate, causing the Ministry of the Interior and border patrol officers a lot of trouble.

Frequent power shortages, malfunctions and overall unreliable performance manifested at inappropriate times made it obvious that what was needed was a high quality, reliable security system that was backed up by a professional support and service team.

The challenge was to provide a reliable, quality security solution that was easy to integrate, that staff could learn to use and master quickly with ease and that could be customized to border requirements.

KEY BENEFITS

All the existing and new locations were/will be equipped with a DIGIEYE COMPACT 8 inputs integrating DIGITAL SIGNAGE, VIDEO CONTENT ANALYSIS and CENTRALIZATION, and with IP MEGAPIXEL DIGIEYE DOME CAMERAS that are ONVIF "Profile S" compliant and fully configurable from the DIGIEYE systems. The difference between the existing and new stores is that the existing ones were equipped with the DIGIEYE COMPACT HYBRID DVRs able to support the already installed analog cameras as well as new IP megapixel cameras, whilst the 27 new locations were/will be equipped with the DIGIEYE COMPACT IP NVRs.

MADE IN ITALY ECO-FRIENDLINESS

The DIGIEYE COMPACT - designed, developed and manufactured in Italy - ensures, in a small



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THE SOLUTION

After extensive research and the evaluation of numerous CCTV systems, the Ministry of the Interior found what it considered to be the simplest, most effective industrial-based CCTV system available on the market: the SYAC-TB DigiEye video/audio networked security management system.

The Ministry's choice was based on the positive customer feedback the system had received and the fact that SYAC-TB, already well known in the State as a manufacturer of professional CCTV solutions, had a proven track record of providing excellent customer support and service. Most importantly for the Ministry, SYAC-TB's local partner would provide the type of support and dedication to the project that they were looking for.

One of the Ministry's primary requirements was seamless integration with external access control systems- Moreover, it was essential that the system would stand the test of time by being easily upgradeable; no problem as SYAC-TB's research and development laboratory at the Area Science Park of Trieste is constantly improving existing functions and adding new ones.

The technologies deployed in this system are and will be:

THERMAL CAMERA UNITS FOR LONG-RANGE BORDER TRESPASSING DETECTION: DigiEye, thanks to its extensive PTZ multi-protocol support, is able to support even the old types of serial PTZ units that were retained from the old system.

VIDEO ANALYTICS: The DigiEye VCA features will be extensively used in the near future to detect suspicious activity from the video of the installed cameras. The robustness and outdoor usability of DigiEye's video analytics algorithms will greatly improve the alarm detection capacity of the system. Video analytic functions such as Line-crossing, Sterile Zone, Loitering and Abandoned Object will be deployed to detect and signal any suspicious alarm activity along the border.

KEY BENEFITS

The DigiEyes installed were configured to border requirements: complete control of the numerous fixed cameras, auto-domes and thermal cameras located at border sites which were often situated in very high and difficult to reach positions; multi-zone motion detection and unattended mode. A DigiEye system was also installed at the Ministry of the Interior providing it with live remote access to local installations.

DigiEye systems have been installed at key border sites. At several border stations, DigiEye is working full-time in unattended mode, providing border officers with quality visual and documented information concerning the border security environment.

The results achieved so far exceed expectations. Border officers now have an advanced technology security system they can rely upon which is backed up by a team of professionals providing quality service and technical support.

Malfunctions and other serious disruptions to border surveillance are but a bad memory. The State border officers and the Ministry of the Interior are confident that they are now operating in an efficient and professionally controlled environment.

The Ministry's objective of creating and maintaining a strong relationship with both the distributor and manufacturer of its primary security management system has been achieved. The relationship was consolidated by the visit of a delegation of Ministry and border officials to SYAC-TB premises.