

Green border

Ericsson Nikola Tesla delivered a comprehensive green border management system for the Border Police in Croatia.

The system was deployed to raise the **level of situational awareness** at Croatia's borders with non-EU countries, improve working conditions for police personnel and comply with EU requirements.

This has been achieved by deploying **various sensor systems** at key locations, which provide long range electro-optical (infrared and visible spectrum) observation and detection. These systems are complemented by mobile systems capable of quick deployment as dictated by changes to migration routes and overall risk assessment by the border police analytical teams. Mobile systems were implemented using car-towed trailers, making it easy to (re)deploy them and leave unattended for several days. Mobile systems are able to feed sensor data to the appropriate border police center.

Additional sensor systems were deployed, as required by specific conditions at the deployment area to provide **additional detection capabilities** (e.g., ground surveillance radars to provide automated targeting for electro-optical systems).

Integration with additional sensor systems provided by other vendors (e.g., UAV's) has also been done at the

request of the customer.

Application systems are prepared for further integration in case new sites and sensor systems are deployed.

Thanks to deployment of automated systems, it was possible to **reduce the need for manual observation** by police personnel, which would otherwise be required in all weather conditions. This has also led to better utilization of available personnel at the border.

Sensor systems are supported by the **applications deployed at different organizational levels** which allow operators to create a situational picture of their area of responsibility, on the GIS map, and access sensor data directly for visual confirmation. At the national coordination center level, situational picture for the entire border is available.

System deployment was done through several projects, which have included **sensor systems, applications, and various support systems**, such as communication systems, power and power backup systems, equipment shelters and masts, local surveillance systems, etc., together with installation, integration, engineering, and support services.

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