CASE STUDY: VINNYTSIA

ENHANCING CITY SAFETY AND CRIME PREVENTION WITH VINNYTSIA SITUATION CENTER

THE CUSTOMER AND THE CHALLENGE

Vinnytsia, a city in Ukraine, faced challenges in ensuring public safety and monitoring violations. The lack of a comprehensive surveillance system, license plate recognition, and efficient tracking of vehicles posed significant difficulties. However, with the implementation of the **VEZHA** LPR solution, the Vinnytsia Situation Center experienced a remarkable transformation.

Prior to the implementation of the **VEZHA** LPR solution, the Vinnytsia Situation Center faced several pain points. The absence of a license plate recognition system and the inability to track vehicle routes and movements hindered their crime prevention efforts. Additionally, the lack of roads violations fixation and the absence of comprehensive reports were significant challenges. The center also lacked a Video Management System (VMS).

THE SOLUTION

Introduction of the **VEZHA** LPR system revolutionized the Situation Center's operations. The LPR module effectively addressed the pain points and significantly improved work quality. Criminal vehicles with license plates were captured and recognized throughout the city. The system accurately determined the make, model, color, and trajectory of vehicles, assisting in the identification of violators and preventing crimes. Furthermore, the system enabled the separation of offenders into specific lists for efficient management. Statistical reports on transport were generated, simplifying traffic analytics for the center.

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ENSURING DATA SECURITY AND ACCESS CONTROL

The **VEZHA** system offered user rights based on specific roles, ensuring that employees had access only to their designated data and modules. Different roles such as administrators, inspectors, managers, users, and view analytics roles were created, each with specific access rights.

ADVANTAGES OF THE MILESTONE INTEGRATION

The integration of Incoresoft **VEZHA** with Milestone XProtect proved to be crucial for the achievements of the Vinnytsia Situation Center. This seamless integration empowered all staff members to utilize the solution as a VMS, providing them with access to essential features such as license plate recognition, route clarification, and vehicle make and model identification.

As a result, criminal tracking became significantly more efficient, while also offering a comprehensive view of violations. The integrated system enabled the center to gather valuable evidence, including photos, timestamps, and even video footage, strengthening their ability to effectively address security concerns.

IMPRESSIVE RESULTS AND FUTURE EXPANSION

- Impressive license plate recognition accuracy of up to 99.9%
- No limitations on lane quantity and support for unlimited lists with different rules
- Reliable recognition of plate numbers in challenging conditions
- Straightforward integration without special settings

The implementation of the **VEZHA** LPR system yielded remarkable results. In the first half of 2019, it helped solve 500 offenses and prevented 300 crimes in Vinnytsia, a city with a population of 350,000 inhabitants, according to the National Police of Ukraine. The success was significant enough to warrant plans for expanding the number of licenses citywide.

The system's accurate license plate recognition, comprehensive reporting, and integration with Milestone XProtect ensured a secure environment for Vinnytsia's residents.

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