

INTELLIGENT POLICE CAR

LIST OF REFERENCES

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1 INTRODUCTION

1.1 Purpose of this document

This document describes the references of MOSY solutions. The references are selected to show various projects of SOITRON. The selected references are:

- **Slovakia** - Intelligent Police Car project
- **Bulgaria** - License plate recognition and Speed Measurement
- **Slovakia** - Mobile police officer
- **Ukraine** - Intelligent Police Car Demo
- **Mexico** - Intelligent Police Car Demo



2 SLOVAKIA – INTELLIGENT POLICE CAR

2.1 Information about the project

End customer	Ministry of Interior, Slovakia
Project time	2012 – 2015
Scope of the project	<ul style="list-style-type: none"> • 780 fully equipped vehicles <ul style="list-style-type: none"> ○ Video recording ○ Automatic license plate recognition ○ Map and positioning ○ Collaboration and messaging ○ Integration with 112 (Incident Management System) ○ Scanning and reading documents ○ Checking persons and vehicles in all police DB's (National, Interpol, Schengen, etc.) • 1600 monitored vehicles <ul style="list-style-type: none"> ○ Position tracking ○ Navigation system • Mobile system for controlling ID's <ul style="list-style-type: none"> ○ Application that combines all agendas into one system ○ Access and searching process for many objects (people, documents, guns, boats, etc.) and also many databases (Schengen, Interpol, National wanted, National registers, etc.) • Central system <ul style="list-style-type: none"> ○ System for command center users to manage and control all mobile units
Benefits to the end customer	<ul style="list-style-type: none"> • 50% - 80% reduced time of regular police controls (according to police officers opinion) • 36% increase of clarified cases of stolen vehicles • Decrease of on street bribery (not measured) • Rich video evidence material used in citizen disputes • Less administrative work • Faster police action • More information available • Better operational overview



2.2 Photo documents



Police Cars in front of Soitron Headquarters



Interior of the equipped Police Car – Separate navigation system, Touch screen and Camera on the Dashboard



Integrated card readers in the Touch screen



Complex HW covered in a dedicated box in the trunk of the car



The control of the system using Touch screen



3 BULGARIA – ALPR AND SPEED MEASUREMENT

3.1 Information about the project

End customer	General Directorate of National Police, Bulgaria
Project time	2017 – 2018
Scope of the project	<ul style="list-style-type: none"> • 23 equipped police vehicles with <ul style="list-style-type: none"> ○ ALPR – Automatic License plate Recognition System ○ Speed Measurement system – measuring in stationary or mobile mode, both direction (same and the opposite) ○ Maps and positioning ○ Collaboration and messaging • Central system <ul style="list-style-type: none"> ○ User management system ○ Fleet overview and collaboration ○ Managing the Blacklists for ALPR ○ System for reporting results of ALPR
Benefits to the end customer	<ul style="list-style-type: none"> • Effective searching for stolen vehicles, uninsured vehicles, wanted vehicles by Interpol and Schengen • Effective and easy to use speed measurement system • More information available • Better operational overview

3.2 Photo documents



Equipped Police car – ALPR camera on the roof, Antenna on the roof.



Radar antenna, hidden in the front bumper



*Installation of the computer (Q*BOX) in the trunk of the car*



Touch Screen installed on the dashboard



Discrete but robust fixed mounting. Possibility to tilt the Touch Screen.

4 SLOVAKIA – MOBILE POLICE OFFICER

4.1 Information about the project

End customer	Ministry of Interior, Slovakia
Project time	2019
Scope of the project	<ul style="list-style-type: none"> • 65 mobile devices for police officers (pilot project) <ul style="list-style-type: none"> ○ Reading documents (personal IDs and technical IDs of the vehicles) ○ License plate Recognition System ○ Checking and searching in the searching databases for persons and vehicles. (Searching in “wanted” databases, searching in “evidence” databases)
Benefits to the end customer	<ul style="list-style-type: none"> • Fast and effective way to control persons and Vehicles • Saves time • Gives police officers more information

4.2 Photo documents



Ruggedized Smartphone to scan ID's and check persons and vehicles

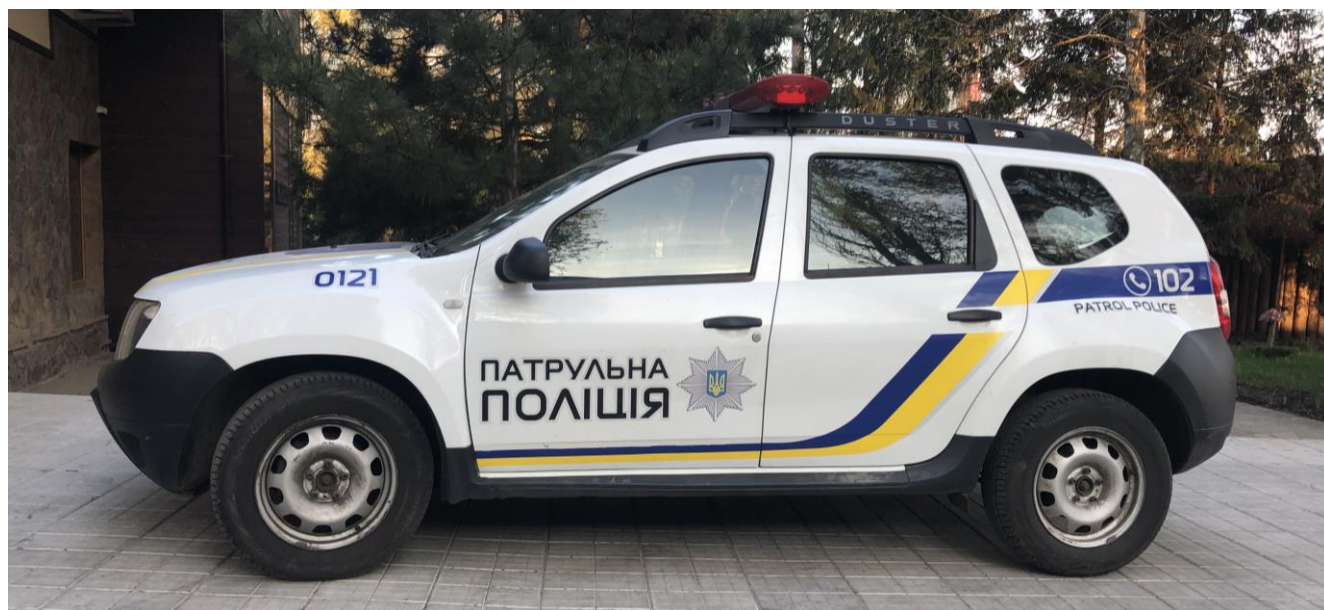


5 UKRAINE – INTELLIGENT POLICE CAR DEMO

5.1 Information about the project

End customer	National Police, Ukraine
Project time	2019
Scope of the project	<ul style="list-style-type: none"> • Equipping one proof of concept police car <ul style="list-style-type: none"> ○ Video recording (front and rear view) ○ Automatic License Plate Recognition System ○ Positioning tracking ○ Collaboration and messaging • Central system <ul style="list-style-type: none"> ○ Positioning of vehicles ○ ALPR management ○ ALPR reporting ○ Collaboration and messaging
Benefits to the end customer	<ul style="list-style-type: none"> • Testing and evaluating Intelligent Police car

5.2 Photo documents



Police vehicle



Installation of the cameras and touch screen



Installation of the IR light in the bumper (the picture is uncovered – without the grill)

6 MEXICO – INTELLIGENT POLICE CAR DEMO

6.1 Information about the project

End customer	Toluca State Police , United States of Mexico
Project time	2019
Scope of the project	<ul style="list-style-type: none"> • Equipping one proof of concept police car <ul style="list-style-type: none"> ○ Video recording (front and rear view) ○ Automatic License Plate Recognition System (4 external cameras) ○ Positioning tracking ○ Collaboration and messaging • Central system <ul style="list-style-type: none"> ○ Positioning of vehicles ○ ALPR management ○ ALPR reporting ○ Collaboration and messaging
Benefits to the end customer	<ul style="list-style-type: none"> • Testing and evaluating Intelligent Police car

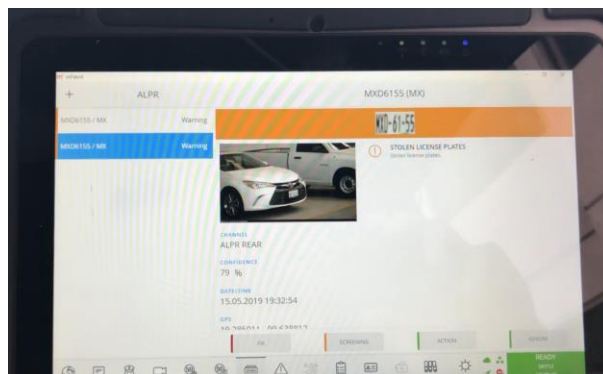
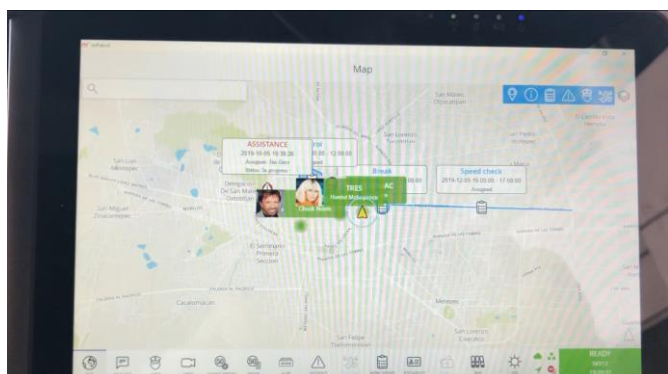
6.2 Photo documents



Equipped Police vehicle



Four cameras on the roof



Snapshots of the tablet inside the vehicle

7 ABOUT MOSY

MOSY is a member of the **Soitron Group**, a leading European IT company with more than 120 mil revenue and 800 employees. Soitron Group has branch offices in 7 countries in Europe (UK, Czech Republic, Poland, Slovakia, Romania, Bulgaria and Turkey).



MOSY creates intelligent technology for mobile public safety forces. Our solutions help officers to work faster and more efficient. All our products can be tailored to fit any police department's requirements and can be easily and quickly integrated with existing technologies. For more information, visit www.mosysolutions.com

Why MOSY

1. Experience

MOSY has a broad experience with police car projects. We equipped more than 2400 vehicles and in Slovakia, Romania and Bulgaria. We visit many international police exhibitions, make presentations and talk to police officers in the whole world. We are listening to many police requests.

2. Ready solutions

All our SW is programmed with following characteristics: a) Multilanguage platform (easy to translate to any language) b) Able to tailor, change and adapt to the specific needs of any police department c) Well documented APIs (Application Programming Interfaces) to be able to integrate with any other solution.

3. We offer more than requested

From our experience, we know police customers request usually only some parts of the broad range of modules we offer. We are always happy to surprise our customers with some extra features, they did not even think of before.

4. Affordable price

For us is **Intelligent Police Car** not a one-time project. That gives us advantage to, not only re-use our experience and knowledge, but also to offer a very good and affordable price.