

# VEHICLES TRACING SYSTEM

**T**he Vehicles Tracing System is a unified register of all searched (stolen or missing) vehicles and license plates, boats and boat engines, containers, airplanes, and industrial equipment. This system is a comprehensive tool for law enforcement institutions for recording of all information related to stolen or missing vehicles from national as well as interconnected international registers, as well as the possibility to share demanded information on searched vehicles and manage search announcements internationally. The system enables import and export of data, advanced statistics and searching, advanced printing options, data screening and other administrative functions.

# GOALS

## THE VEHICLES TRACING SYSTEM ALLOWS ITS USERS TO ACHIEVE THE FOLLOWING MAIN GOALS:

- Unify all data regarding the searched vehicles, license plates, boats and boat engines, containers, aircrafts, and industrial equipment
- Serve as an effective searching/screening aid to gather required information
- Enable sharing of the information and managing search announcements internationally
- Provide the legally binding applicable data for public authorities with permanent access for authorized users
- Unify the data structures required by international organizations (Interpol, Europol, Eucaris, Schengen) using UNI CODE and respecting trans-literal rules
- Enable import and export of data, advanced statistics and searching, advanced printing options, data screening etc.
- Can be updated both manually and on-line, as it is connected to National Registers (Vehicles Registry, Inhabitants Registry etc.)
- Enable law enforcement officers to access the same information irrespective of location
- Permit the exchange of data between the law enforcement authorities
- Fulfill all European Union legal and technical requirements

# FUNCTIONALITY

The Vehicles Tracing System contains data referring to searched vehicles and license plates, boats and boat engines, containers, airplanes, and industrial equipment.

## THE SYSTEM PROVIDES THE FOLLOWING BASIC FUNCTIONALITY:

- Search launch, i.e. registration of new case of theft or mass theft of vehicle, license plates, boat, boat engine, containers, aircrafts, and industrial equipment
- Automatic generation of data (in case of new case input; date, unit code etc.)
- Records update (according to users' rights)
- Search suspension
- Record deregistration
- Keep the whole history of data and user's activity (according to users' rights)
- Screening and printing of the results
- Printing of sets according to criteria (e.g. records for units for particular time period)
- Advanced statistics

## THE SYSTEM ALLOWS USERS ALSO:

- Integration with the Vehicles Registry: adoption of data about registered vehicle and the vehicle keeper
- Integration with the Wanted and Missing Persons System: screening and theft announcement
- Automatic generation of derived hidden items (without diacritics)
- Logical check of sets of interrelated items
- Keeping all history of data (tracking all changes, logg-ins etc.)
- Integration with Central management of users: administration of users
- Integration with Central management of code lists
- Import of motor vehicles data from external subjects
- Export of data about motor vehicles for various subjects (generation of output batches)

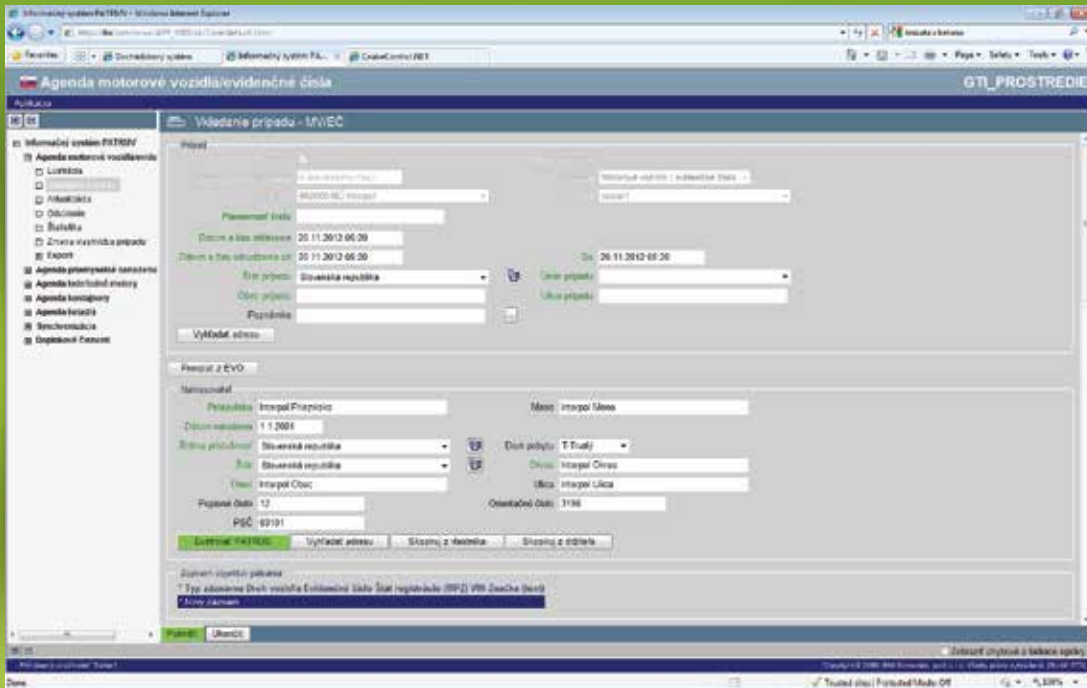
- Initialization data export for international systems (Eucaris, International Police Cooperation System for Europol, Interpol, Schengen and others)
- Common actualization batch for international systems (Eucaris, International Police Cooperation System for Europol, Interpol, Schengen and others) with every vehicle record change
- Batch of actual status for international systems (Eucaris, International Police Cooperation System for Europol, Interpol, Schengen and others) all valid vehicles records

## VEHICLES TRACING SYSTEM



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| <span style="color: #004a33;">■</span> SEARCHING/SCREENING DATA    | <span style="color: #76b82a;">■</span> VEHICLES SEARCH ANNOUNCEMENTS LAUNCH          |
| <span style="color: #006d4c;">■</span> ONLINE/OFFLINE DATA UPDATES | <span style="color: #c4c400;">■</span> INTEGRATION WITH PRIMARY SYSTEMS (REGISTRIES) |
| <span style="color: #008060;">■</span> COMPLETE HISTORY STORING    | <span style="color: #f1c232;">■</span> ADVANCED STATISTICS / REPORTING               |

## VEHICLES TRACING SYSTEM (MAIN USER SCREEN)



The whole functionality of the Vehicles Tracing System can be used on-line for authorized users as a controlled, law-regulated service through a web services interface. The 24/7 on-line accesses are secured for authorized users only and the extent of provided data is determined by access privileges.

The legal frameworks of the Vehicles Tracing System can be defined by an act that specifies the quantity of registered data, data update competences and the obligations for respective entities to provide data.

## INTERFACES

### THE VEHICLES TRACING SYSTEM IS INTERCONNECTED WITH:

- National Registries
- Special Police Systems
- Central Screening Console
- International systems (International Police Cooperation System for Europol, Interpol, Schengen and others)

## USER CONCEPT

User concept of the Vehicles Tracing System is based on “thin client” technology, so a client only needs a web browser to use the application. The whole system is designed to be flexibly and instantly updated in case of legislative changes, as well as upgradeable with any new functions and upgrade versions. The system is built on advanced hardware and software infrastructure and is suitable for multiplatform deployment.

The system is integrated primarily with the Vehicles Registry and enables integration with other information systems (registers) of public administration via Web Services and data interfaces as SOAP, XML, etc.

# BENEFITS

THE VEHICLES TRACING SYSTEM PROVIDES ITS USERS WITH THE FOLLOWING **MAIN BENEFITS:**

- Unifies data in one registry
- Data are stored in the structures required by international organizations (Interpol, Europol, Eucaris, Schengen) using UNI CODE and respecting trans-literal rules
- Easier, faster and more effective searching and screening of all searched vehicle's related data
- More efficient activities of the law enforcement authorities
- User-friendly and reliable system
- Thin client technology (user needs only web browser)
- Multi-platform / multi-container solution (not restricted to one platform, operation system or web browser)
- Fulfillment of all legislative requirements (i.e. European Commission requirements for Schengen Information System)