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**Case study** **Airport Belgrade, Automated Access of registered taxi-cabs**

**Problem to solve:** As of uncoordinated access of taxicabs at the airport of Belgrade, a lot of "troubles" with the different taxi companies arose. At the end of the day the one who suffered were the clients of the airport.
Beyond that the not certified access (permitted/ not permitted taxicabs) was an additional security risk.

**Requirement:** A System which gives the airport operator the possibility
- to monitor and coordinate the approach and departure of cars and
- to document the movements for a defined period

➔ all, supported by automated operations.

**Solution:** The access points to the airport have been equipped with appropriate video technology which delivers on the one hand adequate pictures at the day modus as well at the night modus and on the other hand which is able to operate with an ANPR (Automatic Number Plate Reading) software.

With this system the operator achieved to allow only registered vehicles the access to the airport. The identification of the vehicles is be done fully automatically by ANPR through database scanning. The data base includes the number plates of the certified and registered cabs.
After check the automated barriers open automatically.
Beside this the client has also the possibility to control the access points manually via desktop if necessary (in case of emergency, etc.).

The taxicabs wait at a pre-located parking area. The holding area directly in front of the arrival- & departure halls are also screened by video cameras. Free parking places for taxicabs are also automatically detected by the new system. If the system detect a free parking position, the number plate of the taxi-cab which is allowed to access next is be shown at a full matrix LED display through data communication at the pre-located parking area.
The sequence is done by: 1st come – 1st served

**Realisation:** 2011

**Duration of Realistaion:** 3 month