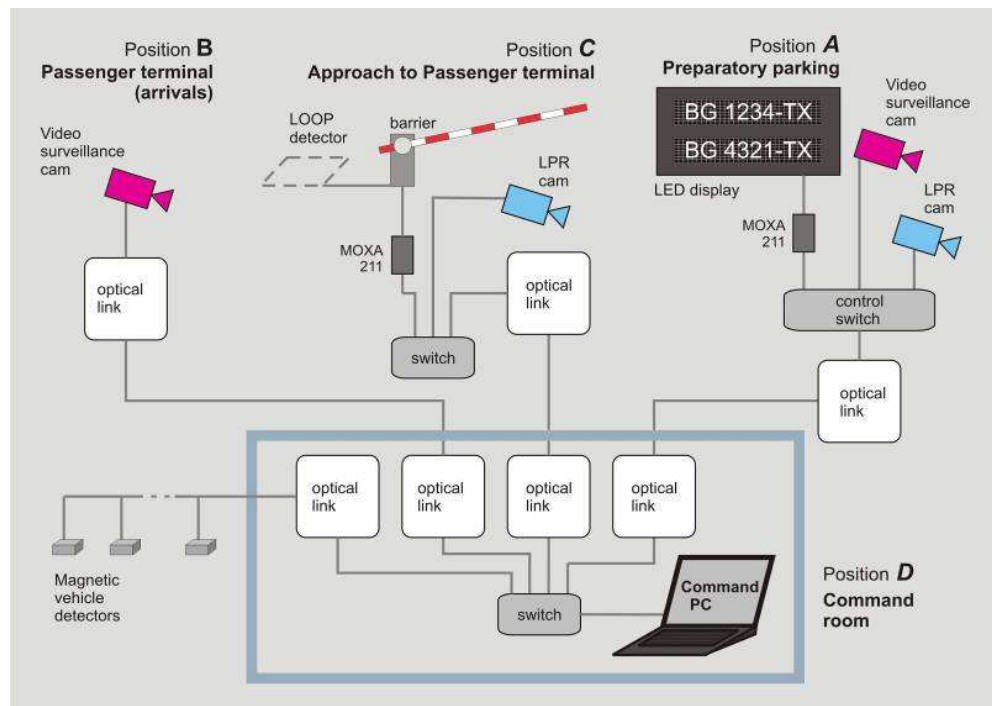




## TAXISYS



(pic. 1: System Layout)

TAXISYS was designed and configured to provide full control of TAXI vehicles at the point of clients' entrance. The system provides a correct sequence of vehicles engagement in accordance with the order of their arrival at the preparatory parking area.

TAXISYS consists of hardware, optical communication between system components at remote locations and of applicative software developed for its full control and synchronization.

The automatic vehicle identification is provided by a Number Plate Recognition (ANPR) subsystem consisting of high resolution video cams and OCR software for image analysis and character recognition. Software was specifically designed for the concrete control system for better adaptation and overcoming of specific functional problems.



TAXISYS automatically makes the order of vehicles arrival at the preparatory parking. Magnetic detectors in front of passenger terminal exit detect the appearance of free TAXI positions at client receiving zone. The system calls next TAXI vehicle from preparatory parking by displaying its license plate number at a VMS (Variable Message Sign; LED sign).

At the ramp in front of passenger terminal the invited vehicle is once again identified, recognized and allowed to enter the zone for reception of passengers.

## Applicative software features

Application software provides easy access to all components of control system and review of their corresponding referent information. The interface provides status control, contents or image from following sources:

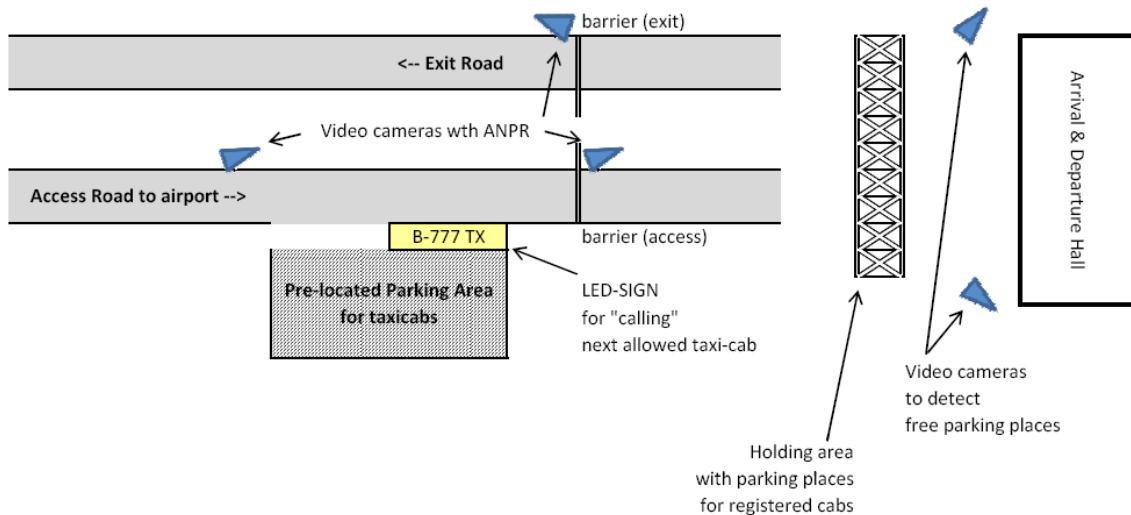
- Image from ANPR cameras at the entrance to the preparatory parking area
- Image from ANPR camera in front of barrier for access control to the zone of reception of passengers at a passenger terminal
- Database of all pre-registered TAXI vehicles which are entitled to appear and to be served through the system
- Actual content displayed at VMS which is located at preparatory parking area
- Actual position (open/ close) of barrier at the approach to the clients reception zone at the passenger terminal
- Detected availability of parking positions in client reception zone according to the data from magnetic detectors mounted in carriageway.

In addition to these automatic features, the system operator may perform the following forced commands from the control room:

- Lifting barrier for access of announced vehicles
- Lock lifted barrier, when organized convoy of vehicles approaches passenger terminal
- Complete blockage of the system, when takes over the servicing of VIP passengers according to the protocol
- Setting system parameters for better performance (brightness camera, etc.).



(Pic. 2: Screenshot as an example)



(pic. 3: Airpost Layout)