



metricí
accurate recognition

Parking solutions

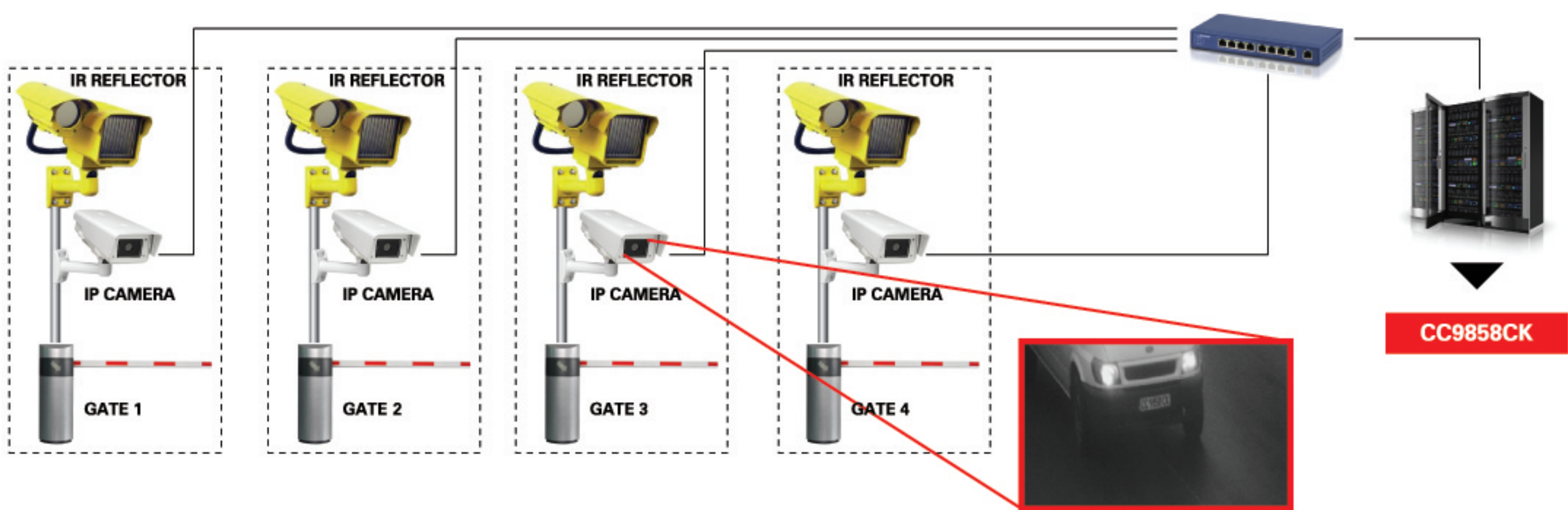


WHO IS METRICI

- 7 years of experience in offering advanced technological solutions in **license plate detection** - **ANPR** and management development tools
- Metrici is one of the **most technological advanced ANPR software** on the market and one of the most viable and competitive
- **Large variety for using**, from payment parkings to access control, retail and security, from a small residential neighborhood to industrial parks, commercial or traffic monitoring
- Tool for **income increase, security upgrade and a better management** for vehicles and traffic
- Metrici helps you grow the business, have a development **predictability** and is a powerful marketing and security tool
- **Integral and integrated management** system and technical support
- Additional info and **statistics**
- Complex **database**
- **Elaborated interface**, with numerous options for the users
- Possibility of managing more **locations** in the same time, from same interface, no matter where they are placed
- Modules for **Parking, Toll Stations, Traffic management, People Counter**



METRICI PARKING MODULE



FRIENDLY INTERFACE

Metrici has a friendly interface that can be accessed on a local server or from anywhere in the world where there is internet access. Thus, one can **monitor and manage** a business from a distance.

UNLIMITED NUMBER OF TIME TABLES AND TARIFFS

As a payment parking means also a market analysis, and the traffic fluctuates, one can define **as many timetables and tariffs** it wants, so that the price offer be always fitted to the vehicle flow and demand.

ALARM SETTINGS

Metrici **sends an alarm**, by mail or SMS, in case of a predefined event. For example, when a car spends more than X hours in the parking or when a certain license plate is detected.

METRICI PARKING MODULE



SMS INTEGRATIONS

The phone numbers that are in a database can allow **access** for a vehicle in a parking, by SMS, according to a predetermined setting established by the administrator, for temporary access or for unlimited access by included it in the whitelist.

FLOORS OR SECTIONS MANAGEMENT

Metrici can be set in such manner that can **manage apart individual sections or floors** of a parking lot. It will automatically calculate the free/busy spaces for each sections/floor.

TENANTS AND SUBTENANTS

Metrici **allows defining tenants and subtenants** of a parking lot, for unlimited levels. For example, an office building that has a parking may create tenants for each company in that building and establish a certain number of parking spaces for each. The company can also create subtenants for each of its departments, and these other subtenants for teams of the departments and so on. Each one of these tenants and subtenants has its own interface where can manage the license plates in the whitelist/blacklist, the timetables, number of vehicles etc.

METRICI PARKING MODULE

The screenshot displays the Metrici Parking Module interface. At the top, there is a navigation bar with the Metrici logo, a search bar for plate numbers, and menu options like HOME, CARS, PARKING, CAR FLOW, ACTIONS LIST, LIVE VIEW, REPORTS, and SETTINGS. Below the navigation bar, there are filter options for DATA TYPE, COUNTRY, LOCATION, CAMERA, DIRECTION, and INFO. A table lists parking records with columns for Plate, Country, Time, Location, Camera, Direction, Time inside, Action, and Info. The record for plate B 52 DVH is highlighted. To the right of the table, there is a camera view showing a silver car with the license plate B 52 DVH. Below the camera view, there are GPS coordinates and a 'View on map' button.

Plate	Country	Time	Location	Camera	Direction	Time inside	Action	Info
B 63 JSW	RO	15:57:06	Bucharest	Intrare Splai	→	2m	📧	
SM 532 WWW	RO	15:56:29	Bucharest	Intrare Splai	←	2m	📧📧	Firma etaj 2
GR 65 JAR	RO	15:54:53	Bucharest	Intrare Splai	?	2m	📧	Firma etaj 1
B 63 JSW	RO	15:36:21	Bucharest	Intrare Splai	→	2m	📧	
B 52 DVH	RO	15:35:38	Bucharest	Intrare Splai	←	2m	📧	Firma etaj 2
GR 65 JAR	RO	15:33:50	Bucharest	Intrare Splai	?	2m	📧📧	Firma etaj 1
B 63 JSW	RO	15:33:36	Bucharest	Intrare Splai	→	2m	📧	
SM 532 WWW	RO	15:30:42	Bucharest	Intrare Splai	←	2m	📧📧	Firma etaj 2
GR 65 JAR	RO	15:24:43	Bucharest	Intrare Splai	?	2m	📧📧	Firma etaj 1
SM 532 WWW	RO	15:23:46	Bucharest	Intrare Splai	←	2m	📧📧	Firma etaj 2
B 63 JSW	RO	15:22:52	Bucharest	Intrare Splai	→	2m	📧	
SM 532 WWW	RO	15:22:15	Bucharest	Intrare Splai	←	2m	📧📧	Firma etaj 2
GR 65 JAR	RO	15:21:02	Bucharest	Intrare Splai	?	2m	📧📧	Firma etaj 1
SM 532 WWW	RO	15:17:33	Bucharest	Intrare Splai	←	2m	📧📧	Firma etaj 2

SMS PAYMENT

The SMS tool can be used for **parking payment** if the system is configured in such a way.

TIME INTERVALS

The administrator of a parking can set **time intervals** in which a client can exit a parking without payment or the interval in which he can exit the parking after a payment was made.

LED DISPLAY AND TRAFFIC LIGHT INTEGRATION

Metrici can be integrated with a traffic light or a **LED display** for showing info regarding the free/busy spaces inside the parking or other data regarding the tenants/groups etc.

CASH REGISTER INTEGRATION

The system can be integrated with as many **cash registers** and can print receipts: the cost is automatically calculate depending on the predefined time tables, tariffs and time spent by the vehicles in the parking.

METRICI PARKING MODULE

SPECIAL LISTS

Whitelist: the vehicles in this list can have different settings: open the barrier, free access, unlimited access, special time tables etc.;

Blacklist: when a vehicle in this list is detected, Metrici can send an alert: mail, SMS, popup.

RESERVED PARKING SPACES

One can guarantee the parking spaces for each tenant, if the administrator wants it: in this case the parking spaces will not be considered as free and displayed as such for other clients of the parking lot, even if a tenant did not occupy all of them.

COMPANION CAMERAS

Companion cameras can be installed along the detection ones so that every detection can be **linked** also to an image captured from the companion: for example, with a wider lens, or another angle etc.

CONTINUOUS OR TRIGGER DETECTION

The system can search for a license plate in continuous mode, at trigger or a **combination** of the two: laser, inductive loop for situations when the license plate is not visible and the event will be recorded in database.

EXTERNAL SYSTEMS INTEGRATION

Integration with external system, such as Skidata or Scheidt and Bachman, for example, or **external databases**.

LOG FILES

Metrici **saves all the data** referring to the internal processes or communication with external systems. In case of a malfunction, one can instantly see where the problem is and fix it.

WHERE ELSE YOU NEED METRICI



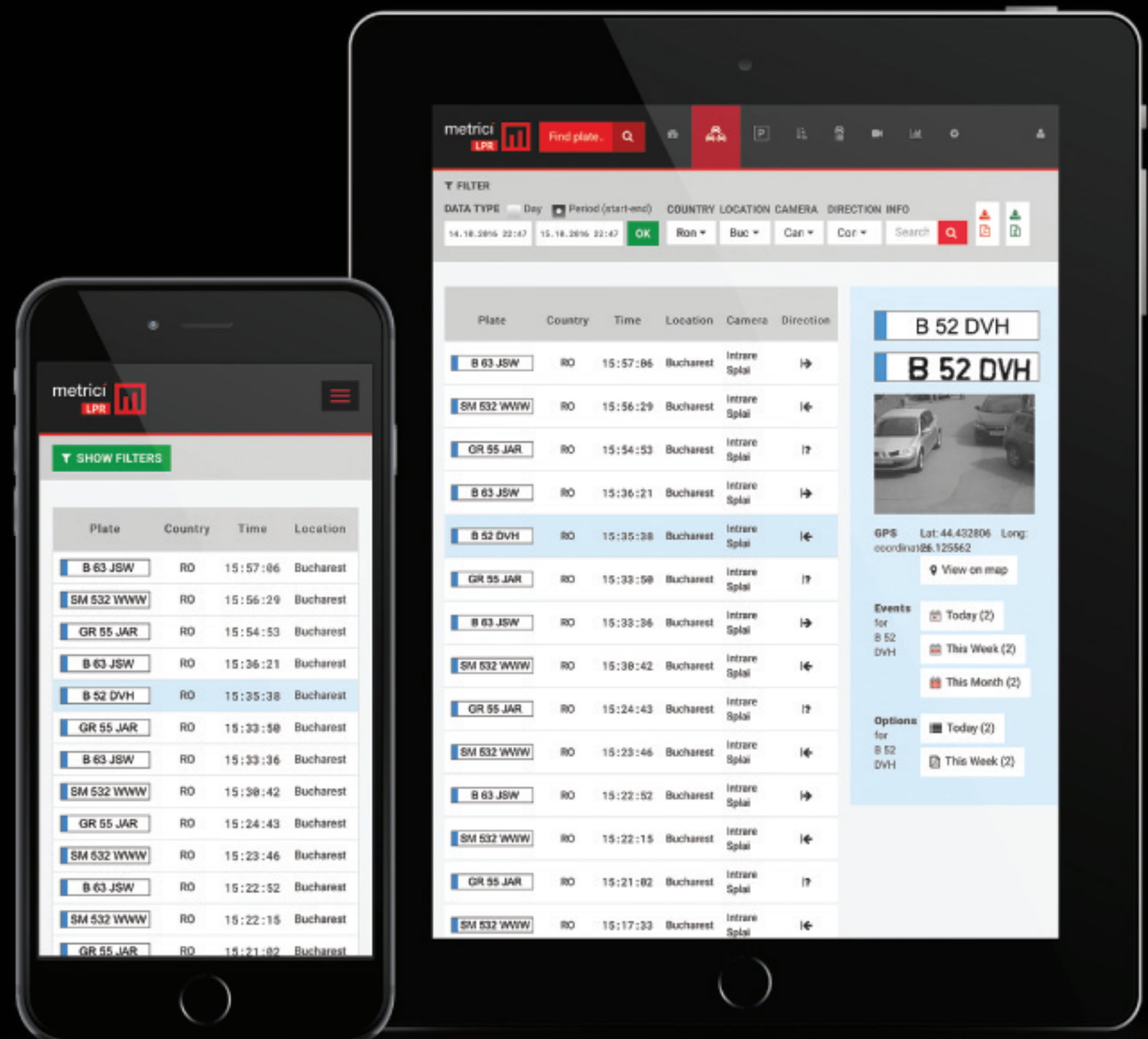
You may need a better control for access inside a factory.

You want to keep track of your vehicle fleet.

You want to know who are your best and loyal clients or from what region they are coming. Get inspired by the experience of our clients.

WHERE YOU CAN FIND US


- Commercial and industrial parkings
- Access control and security systems
- Solution for bus lane/public transport enforcement and respect for traffic signs in cities
- Traffic monitoring and a better flow on streets in the cities/highways
- Speed radar integration
- Tolling stations
- Weighing stations
- Retail shops, malls
- Office buildings
- Gas stations
- Residential
- Auto services
- Car wash
- Auto fleets
- Transport and distribution companies
- Factories
- Campuses



CASE STUDY: POLITEHNICA



CASE STUDY: POLITEHNICA


metrici 

Cauta: Masini Parcare Car Flow Ultima masina Live view Rapoarte Administrare Loguri Logout

Filtre: Data: 2017-10-30 Calendar Tara: ALL Locatia: ALL Camera: ALL Group: ALL

Masina:	Tara:	Data:	Locatia:	Camera:	Directia:	Timp inauntru:	Actiuni:	Info
IF 30 DSF	RO	11:43:05	RECTORAT	Vasile Milea intrare	COMING	-	↙	Stanculeanu...
B 64 JAB	RO	11:43:04	RECTORAT	Iuliu Maniu intrare	COMING	-	-	-
B 08 XHZ	RO	11:42:49	RECTORAT	Iuliu Maniu intrare	COMING	-	-	-
B 75 XWT	RO	11:42:48	RECTORAT	Splai iesire	LEAVING	3d 22:36:57	↙	UPB...
BZ 27 ATR	RO	11:42:40	RECTORAT	Splai iesire	LEAVING	-	-	-
B 175 DRN	RO	11:42:38	RECTORAT	Splai intrare	COMING	-	-	-
B 31 TGW	RO	11:42:23	RECTORAT	Splai intrare	COMING	-	-	-
B 584 AND	RO	11:42:14	RECTORAT	Iuliu Maniu iesire	LEAVING	-	-	-
B 23 TRZ	RO	11:42:13	RECTORAT	Splai intrare	COMING	-	-	-
B 89 UAD	RO	11:42:04	RECTORAT	Vasile Milea intrare	COMING	-	-	-
B 57 EAC	RO	11:42:02	RECTORAT	Iuliu Maniu intrare	COMING	-	-	-
B 58 HDO	RO	11:41:58	RECTORAT	Splai iesire	LEAVING	-	-	-
B 984 GDD	RO	11:41:57	RECTORAT	Vasile Milea intrare	COMING	-	-	-
PH 60 VGA	RO	11:41:54	RECTORAT	Splai iesire	LEAVING	-	-	-
B 151 AMD	RO	11:41:53	RECTORAT	Splai intrare	COMING	-	-	-
B 249 FAN	RO	11:41:48	RECTORAT	Iuliu Maniu intrare	COMING	-	-	-
B 277 GEV	RO	11:41:43	RECTORAT	Iuliu Maniu intrare	COMING	-	-	-
B 49 ZFZ	RO	11:41:38	RECTORAT	Splai intrare	COMING	-	-	-
GR 90 DEA	RO	11:41:23	RECTORAT	Iuliu Maniu intrare	COMING	-	-	-

Masina: B 75 XWT B 75 XWT

Imagine masina: 

MOBOTIX AND METRICI SECURED THE BIGGEST UNIVERSITY CAMPUS IN ROMANIA

MISSION

Politehnica Bucharest University has the biggest university campus in Romania and an impressive number of students: more than 25.000 students, 1400 teachers and many visitors enter daily in the **100 ha** campus.

Besides the **15 faculties'** buildings, this huge campus also includes a **conference hall, some residential buildings, an auto dealer, commercial banks.**

Such a great surface to cover, the great number of persons and the different activities inside the campus were a logistic nightmare for the administrators.

CASE STUDY: POLITEHNICA

The screenshot displays the Metrici software interface. At the top left is the Metrici logo. A search bar contains the text 'Cauta: Masini'. Navigation buttons include 'Parcare', 'Car Flow', 'Ultima masina', 'Live view', 'Rapoarte', 'Administrare', 'Loguri', and 'Logout'. Below the search bar is a filter section with 'Filtre:' and dropdown menus for 'Data: 2017-10-28', 'Tara: ALL', 'Locatia: ALL', 'Camera: ALL', and 'Group: ALL'. The main area features a table of vehicle entries and a camera feed.

Masina:	Tara:	Data:	Locatia:	Camera:	Directia:	Timp inauntru:	Actiuni:	Info
B 27 TCY	RO	15:03:12	RECTORAT	Iuliu Maniu intrare	COMING	-	-	-
IF 06 CHR	RO	15:02:22	RECTORAT	Iuliu Maniu iesire	LEAVING	0d 05:17:10	-	-
B 06 YEK	RO	15:01:46	RECTORAT	Splai iesire	LEAVING	0d 00:06:55	-	-
B 777 URY	RO	15:01:41	RECTORAT	Splai iesire	LEAVING	-	-	-
B 176 GTA	RO	15:01:31	RECTORAT	Splai iesire	LEAVING	-	-	-
AG 88 WMA	RO	15:01:00	RECTORAT	Iuliu Maniu iesire	LEAVING	5d 06:02:21	-	-
B 75 LVY	RO	14:58:48	RECTORAT	Iuliu Maniu iesire	LEAVING	-	-	-
B 31 DAM	RO	14:58:22	RECTORAT	Splai iesire	LEAVING	-	-	-
B 23 DTM	RO	14:58:03	RECTORAT	Splai iesire	LEAVING	-	-	-
B 36 PRI	RO	14:57:32	RECTORAT	Splai iesire	LEAVING	-	-	-
B 68 YFG	RO	14:56:54	RECTORAT	Splai iesire	LEAVING	-	-	-
B 36 ZMR	RO	14:56:15	RECTORAT	Splai iesire	LEAVING	-	-	-
B 06 YEK	RO	14:54:52	RECTORAT	Iuliu Maniu intrare	COMING	-	-	-
B 810 CEZ	RO	14:52:58	RECTORAT	Splai iesire	LEAVING	-	-	-
B 252 MAS	RO	14:51:57	RECTORAT	Splai iesire	LEAVING	-	-	-
IF 84 WLO	RO	14:51:52	RECTORAT	Splai iesire	LEAVING	-	-	-

Below the table, the 'Masina:' section shows two license plate boxes, both containing 'B 27 TCY'. The 'Imagine masina:' section shows a camera feed of a white car with license plate 'B 27 TCY' passing through a barrier.

Plus, the campus has many access points and is situated between two heavy traffic streets of Bucharest: Bd. Iuliu Maniu and Splaiul Independentei.

Taxi drivers and not only them often used the campus as a shortcut, a "rat-run", between these main streets. And not just once it happened that people inside the campus were injured because of the high speed of vehicles when transiting.

Also, the campus is surrounded by office buildings and residential buildings, so many neighbors would often use the campus as a free long or short time parking. That was the case also with some students, teachers and guests.

SOLUTION

Lantec and Metrici had the full answer to all the above problems of Politehnica. In a first stage of the installation, barriers, Mobotix cameras and Metrici were installed at every entrance in the campus. A one time fixed tariff was introduced for every car entering the campus.

CASE STUDY: POLITEHNICA

The main purpose was for people to get used with the new system of barrier and ANPR detection. Over 4000 vehicles enter daily in the campus.

The university also created a Whitelist with vehicles with free access. Everybody else has to pay.

The property rentals (banks, auto dealer and service) inside the campus will also have limited preserved parking spaces. Each tenant will personally manage their access list by modifying the license plates in database in accordance with their own vehicles and needs.

Also, in case of events inside the campus, the administrator of the parking could easily introduce, by SMS, new license plates on the whitelist.

This year, in a new development, there will be also integrated with a card access type system, along with Metrici detection of license plates.

POLITEHNICA TECHNICAL DATA

- 6 Mobotix M25 LPR cameras - free flow detection
- 6 Infrared reflectors
- 6 companion cameras Mobotix M25
- 6 barriers
- 1 central server
- 6 Metrici licenses (1 BL and 5 EL licenses)
- Integration with external database for whitelist

The Mobotix cameras adjust themselves according to ambient light, and Sun position for an optimal exposure and an accurate detection.

CASE STUDY: POLITEHNICA



Cauta: Masini Parcare Car Flow Ultima masina **Live view** Rapoarte Administrare Loguri Logout

RECTORAT / Iullu Manlu Intrare Last plate number: B 57 EAC Direction: COMING Time inside: - 2017-10-30 11:42:39	RECTORAT / Vasile Milea Intrare Last plate number: B 89 UAD Direction: COMING Time inside: - 2017-10-30 11:42:39	RECTORAT / Spial Intrare Last plate number: B 175 DRN Direction: COMING Time inside: - 2017-10-30 11:42:40
RECTORAT / Spial Iesire Last plate number: BZ 27 ATR Direction: UNKNOWN Time inside: - 2017-10-30 11:42:40	RECTORAT / Vasile Milea Iesire Last plate number: B 62 VJB Direction: LEAVING Time inside: 0d 00:07:30 2017-10-30 11:42:39	RECTORAT / Iullu Manlu Iesire Last plate number: B 584 AND Direction: LEAVING Time inside: - 2017-10-30 11:42:40

RESULTS

With the help from Metrici, the campus administration eliminated all the traffic and managing problems. No more speeding and unallowed traffic through the campus, or neighbors using this space as a free personal parking. Plus, the access is totally automated.

WHY METRICI



- Easy to install or use
- Large spectrum use
- Accurate and quick detection of license plates
- The best system on the marketing
- Complex database
- Useful reports and statistics
- External systems integrations





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