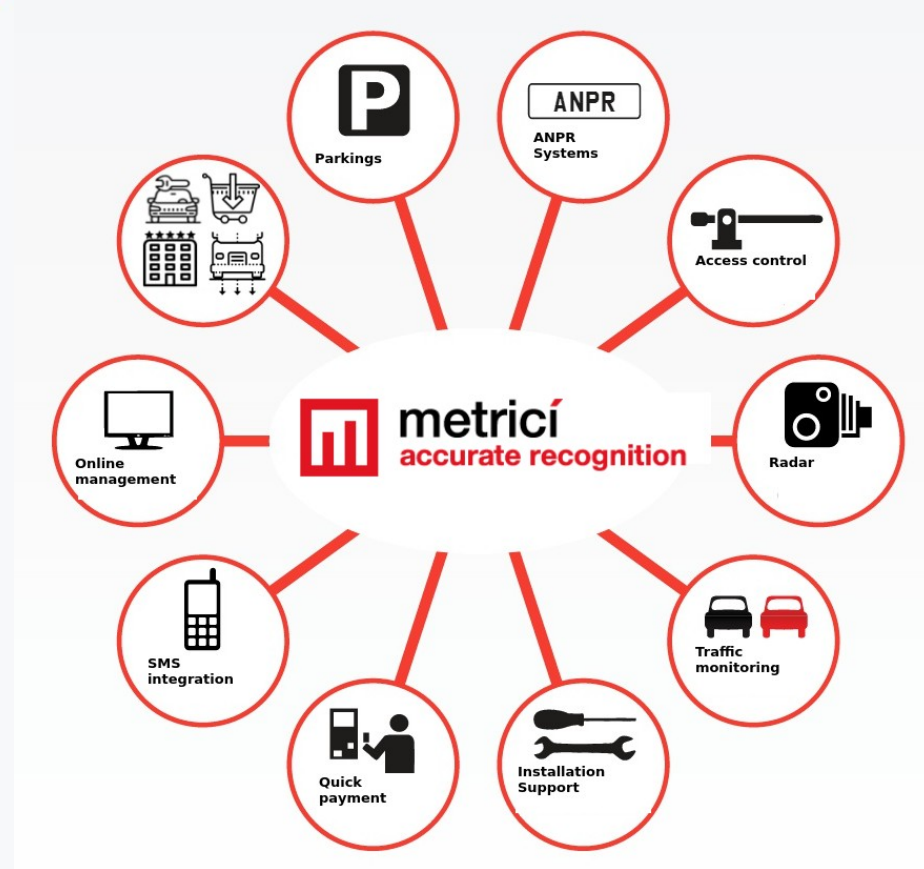metrici
accurate recognition

PARKING MODULE

Who is Metrici

- 14 years of experience in advanced license plate recognition and management applications;
- Developments of deep neuronal networks software solutions on a large scale
- Large area of utilization, from paid parking to access control, retail and security, from a residential area to industrial parks or traffic monitoring;
- Income increase tool, better security and better traffic management;
- Technical support;
- Reports and statistics;
- Management tool;
- Complex database;
- Dedicated interfaces;
- Manage more locations on the same time, no matter where they are;
- Dedicated modules for Parkings, Toll Stations, Traffic management, Weighing stations, People Counter and many others

Metrici Parking Module

- LPR based solution for parking lots, commercial centers, industrial parks, hotels etc

- Access control when barriers are installed or free flow

- Free flow mode LPR recognition or at trigger: inductive loops, laser etc.

- Integration with barriers and other external systems

- Keeps track of number of cars entering and exiting the location even when the events are recorded at different cameras

- Keeps track of free/busy places inside the parking in any given moment

- Includes many features developed overtime to cover all the needs of our partners

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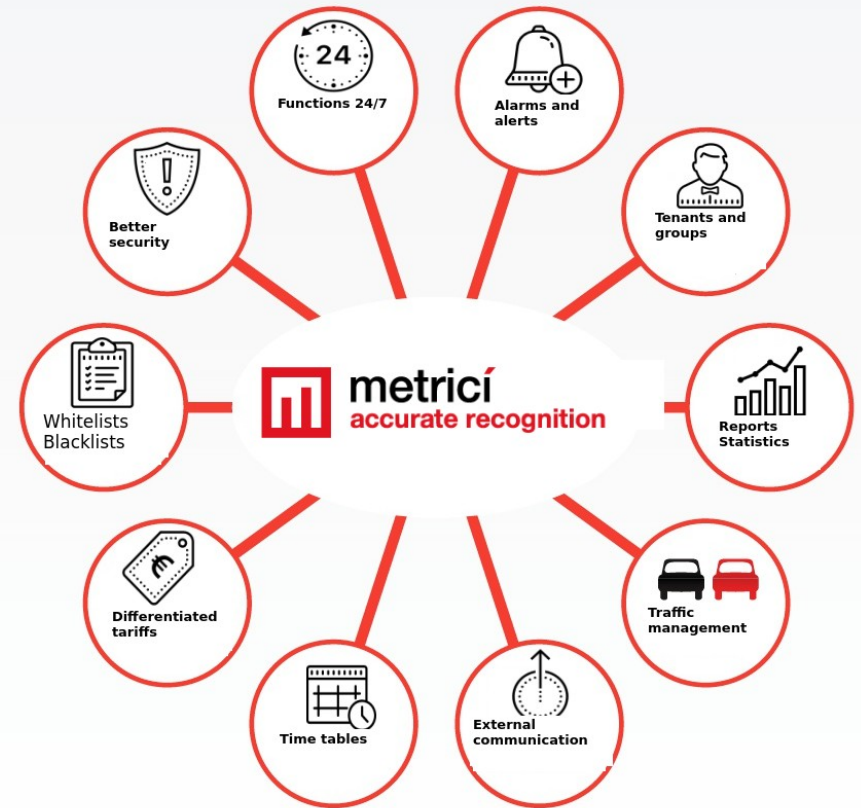
LPR BASICA DATA

- Country
- Time
- Date
- Location
- Camera
- Direction
- Class- 8 types (Motorcycle, Car, Van, SUV/ Pickup, Bus, Truck, Tram, industrial and agriculture vehicles)

Results

Detection

Companion image from moment of detection

Past events for this number and add to Action List

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Metrici Parking Module- Features

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 paid 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.

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Metrici Parking Module- Features

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 settings established by the administrator, for temporary or unlimited access
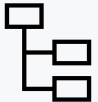
FLOORS OR SECTIONS MANAGEMENT
Metrici can be set in such manner that can **manage apart individual sections or floors** of a parking lot. It will automatically calculates the free/busy spaces for each sections/floor.

TENANTS AND SUBTENANTS
Metrici **allows defining tenants and subtenants** of a parking lot, for unlimited levels. An office building may create tenants for each company in that building and establish a certain parking spaces for each. The company can also creates subtenants for each of its departments, and these another subtenants for teams. Each one of these tenants and subtenants has its own interface where can manage the license plates in the whitelist/blacklist, timetables etc.

Metrici Parking Module- Features

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.

Metrici Parking Module- Features

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.

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.

RESERVED PARKING SPACES

One can guarantee the parking spaces for each tentant, 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.
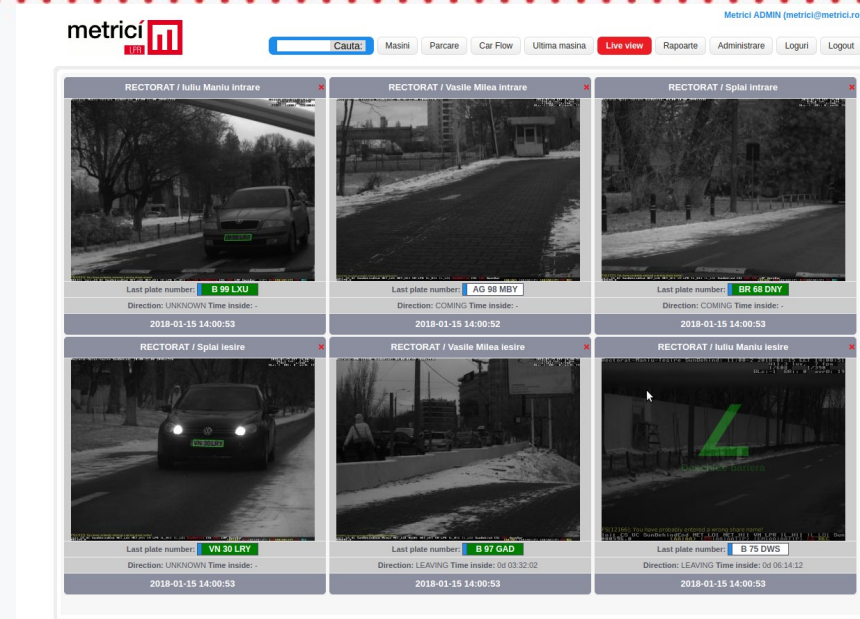
Metrici Parking Module- Features

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 SYSTEM INTERGRATION
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.

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Parking management

REPORTS AND STATISTICS

It generates detailed reports and statistics about the activity in the parking
These may be divided for each camera, for all cameras in location or for a group; Detail about the **receipts** and **top cars** and **place of origin**

LIVE VIEW

You can see live as many cameras as you want

LIVE VIEW OPEN BARRIER

An operator can open a barrier from live view menu, if the number plate is not visible or is damaged. The event will be recorded in database

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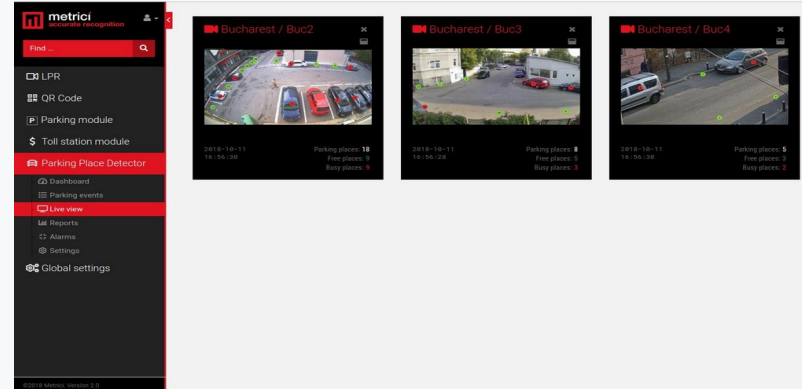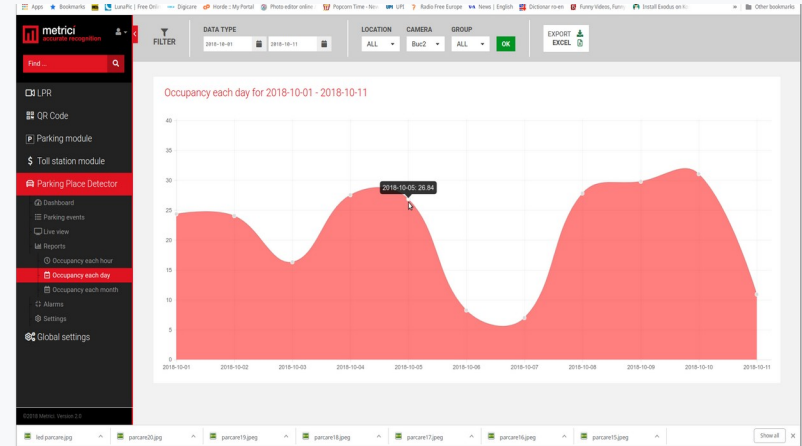
Parking management

- Unlimited number of locations and cameras that can be monitored from same interface;

- Groups, tenants and action lists;

- Alerts and alarm settings;

- LED Display information: number of free/busy places, which tenant is at the gate, indications to follow, how many other places are free for that particular tenant etc

- Log file for each user with the actions made in interface

- See which cars are inside in any given moment

- Automatic calculation of the price to be paid accordingly to the set timetables and tariffs

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Metrici hardware – LED Display

• Direct communication with Metrici Interface
• Can show all information that is to be found in Metrici Database: speed, license plate, tenant, weight, indications for the driver (no more parking places/ tenant full etc)
• Useful in parking lots, industrial parks, cities, residential areas
• Water resistant coating for LED lights
• 6 types of display

Models:
32x16 cm
64x32
Custom

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Metrici hardware – Observer Radar

• Radar produced by Metrici, used for speed monitoring in industrial parks, commercial centers, or sensitive points in cities: schools crossings, intersections, busy traffic streets etc.

•Can send trigger to Metrici to start detection, and the event will be recorded even if a vehicle doesn't have a license plate.

•The speed is recorded in database together with the vehicle's photo

•Metrici reports based on speed, traffic load, average speed etc.

•Traffic tempering tool

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Metrici hardware – MultiController

•Two digital inputs and two digital ouputs, in addition to the Wiegand Protocol & RFID. WiFi and Ehernet connection

•HTTP over TCP/IP, RAW over UDP/IP, Wiegand 26 bits and RFID

•Can command up to 2 barriers

•Cross-link between LPR and Wiegand- different and sections base access

• Check action – Link to Metrici Database and Wiegand Command Center when a LPR detection occurs
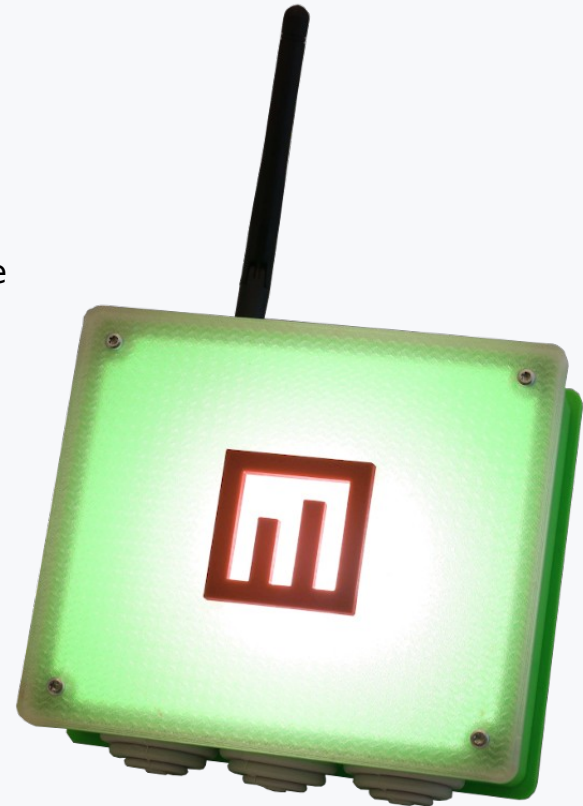
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Where do you find Metrici

SUN PLAZA MALL BUCHAREST

    16 entrances/exits

    16 IP cameras for LPR

    30,000+ events daily

CONSTANTA PORT

    10 entrances/exits

    32 IP cameras for LPR

    50,000+ events daily

POLITEHNICA UNIVERSITY BUCHAREST

    6 entrances/exits

    6 IP cameras for LPR

    5,000+ events daily

BARLAD PARKING

    7 access points

    7 IP cameras for LPR

    3,000+ events daily

600+ installations in Romania, Hungary, Croatia, Slovenia, Bulgaria, Serbia, Denmark, Lithuania, Saudi Arabia, Norway, Peru, Germany, Switzerland, Belgium, Kuwait, Qatar, Bahrain

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