

INTRODUCTION OF EPS GLOBAL AND CITYZEN

EPS-Global Zrt. (the “Company” or “EPS”) is a Hungarian parking management system developer and integrator, operating in the parking technology and service provider industry. EPS develops new smart parking technology and solutions aiming to revolutionize parking globally.

The EPS Group's **business activities** are:

- **Designing of parking systems:** EPS can plan the parking system of a city, district or even in smaller scale, identifying the existing problems and offering solutions;
- **Providing technologies and establishing the system:** EPS is developing and integrating new technologies, both hardware and software, based on its past parking management experiences, and realize the parking system;
- **Professional operation:** EPS has significant experience in operation and implementation of parking system in various business models using processes and technologies based on the existing know-how, but offering tailor made solutions.

Main **success factors** are:

- EPS can provide not only assets, but **a complex solutions** including implementation and operation of parking systems;
- The **self-developed system** does not only able to efficiently organize parking but also support the fight against city pollution through reducing searching traffic;
- EPS' system is based on **providing several services to the drivers and Governments**, like fully automated guidance for drivers to available parking spaces and offering efficient and cost efficient parking controlling;
- EPS is ready and able to **offer several business models**, even the self-financing for a smart parking project, for example in PPP, BOT or BT model;
- EPS provides complex end-to-end solutions with its **products** including geo-magnetic wireless occupancy sensors, intelligent traffic guidance boards, mobile applications and an integrated parking management software;
- Unlike large multinational companies, EPS **adapts quickly, easily and efficiently** to local circumstances, due to its streamlined processes and prompt decision making mechanisms.

THE SELF-DEVELOP **CITYZEN** SMART PARKING SYSTEM, THE INNOVATION OF EPS, IS THE FUTURE OF PARKING MANAGEMENT.

As EPS Global Zrt is partially owned by the Hungarian National Government through the Export-Import Bank's EXIM Export Incentive Investment Fund, we are continuously monitored by the Fund Manager GB & Partners Venture Capital Fund Manager and the responsible Government Agencies. **Besides our track record and actual project performance, the fact of the Governmental supervision guarantees that we have the necessary financial resources and always fulfill our obligations.**

EPS has majority shares in the joint venture named Yangzhong Parking Management Company Ltd. (hereinafter YZ ZTE EPS), which company was established together with the Intelligent Transportation System provider named ZTE-ITS Company Limited, which is partially owned, beside Governmental investment funds, by ZTE Corporation,.

We are proud that the copyright of our software system has been registered by the National Government of the People's Republic of China on the 15th of September, 2017. On the 9th of April, 2018 we have received the certification of the People's Republic of China's National Software Test Center, that Cityzen is in fact providing all the stated functions.

YZ ZTE EPS is holding the concession right to build and operate the smart parking system of Yangzhong city in Jiangsu Province of the PRC, in a scale of 10 000 parking spaces. The project's 1st phase construction is finished since Q3 2017. After testing for 12 months, currently the check & acceptance of the local government is under process. The start of operation of the smart parking system is planned in Q1, 2019.

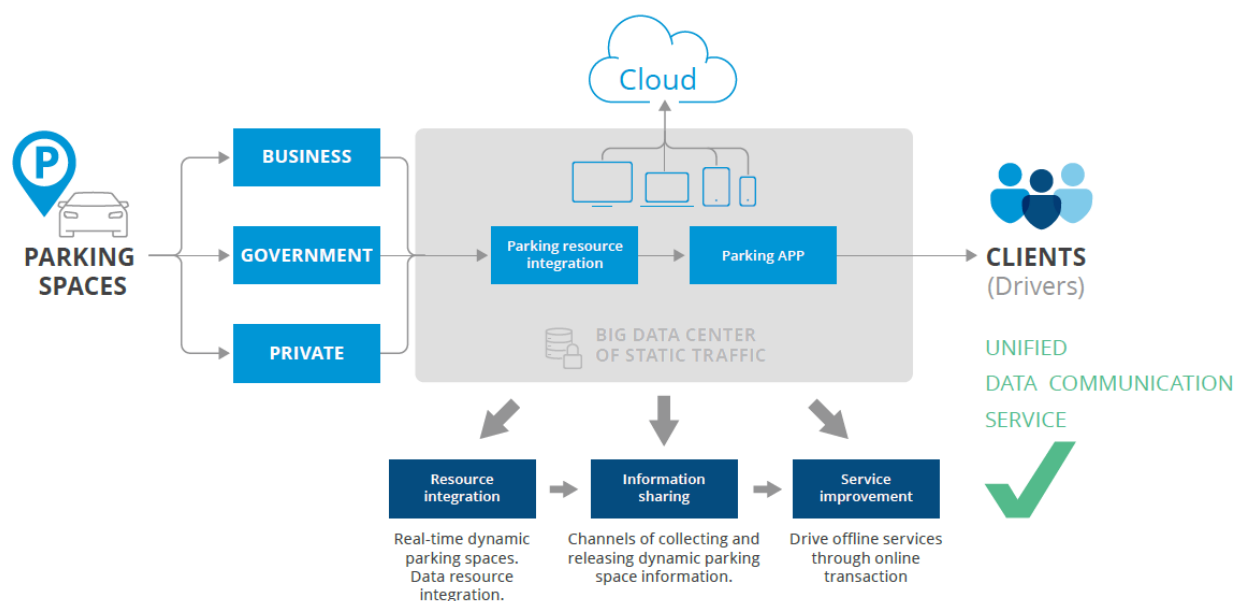
When we established the company in the year 2012 and went with high hopes to conquer the Chinese market, we faced the situation that European parking management systems with pay and display parking meters, offering mobile payment and PDA based controlling of the parking payments is out of date and not good enough for the new markets. During one of our presentations a high-level leader of a Chinese city told us that he likes our system very much, but where are the services we give to the drivers? What service are we giving the Government, except collecting and enforcing the parking fee? Besides acknowledging the fact that the parking fee is a transport demand management tool encouraging travelers to shift transport mode from private transport to public transport, it is impossible to make the citizens accept the fact they have to pay for parking without offering services! We had to realize what a smart point he made! If you think about it, the only evolution of parking in Europe over the last decade was to increase the possible ways of payment. Now you can pay with your cellphone, you can pay with your bankcard, etc. Where is the innovation in that? So we were thinking, researching a lot what service could we offer. Wash the car of the drivers? Give them insurance? Useless! And how would these help the transportation problems of the city? Not at all!

So we put all our energy, experience and knowledge in parking management to create a service based solution, not forgetting the main target: to create a better transport demand management tool for a city!

Our solution is creating Cityzen, which is a state of the art parking management system using the latest available technology:

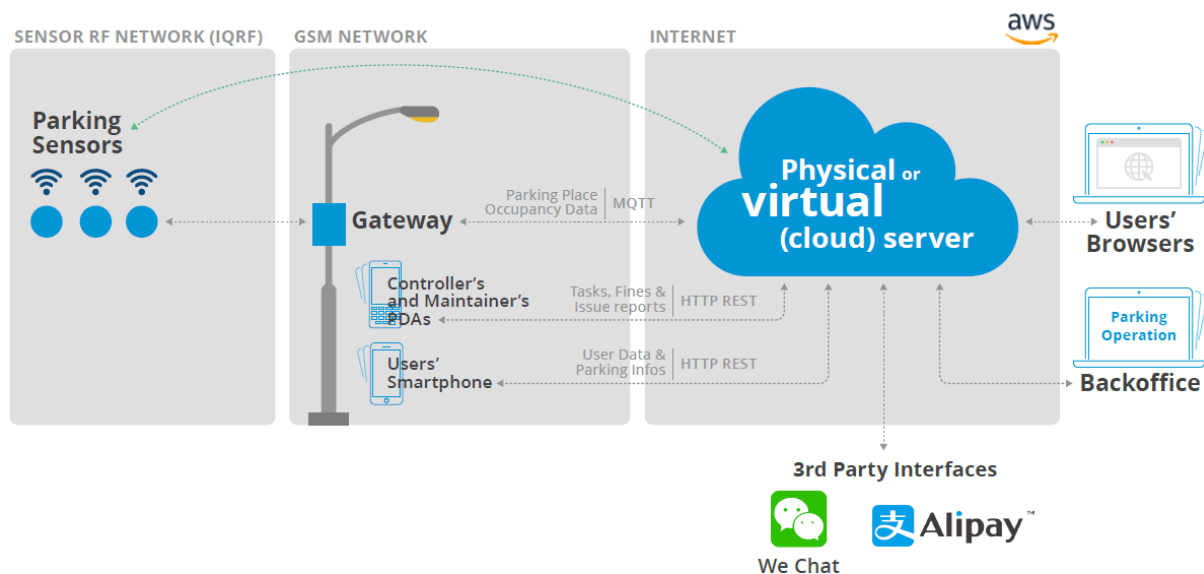
The smart parking solution of EPS Global directly contributes to create better traffic conditions, including the mitigation of traffic jams, as well as the reduction of harmful emissions and the burden on the environment with collecting all the project areas parking data, analyzing and providing the data as service.

We collect all the parking data of the city's parking facilities independently if its on-street parking or off-street parking.



We equip each and every on-street parking spaces with geo-magnetic sensors which sense if a car is occupying the parking space or not. The sensor is running on batteries with at least 5 years lifetime and send the data (if the parking space is available or not) to our server. Based on this technology we know exactly which on-street parking space is occupied and for how long.

The off-street parking facilities we connect either through a software interface or in case it is an old system we equip the entrances and exits with license plate recognition cameras, which send the data (if available with wired if not then with wireless internet) if a car enters or exits the parking facility to our server. Now we have also all the data of the off-street parking facilities, so all of the city's parking spaces are connected!



The geo-magnetic sensor



The installed gateway running on solar energy



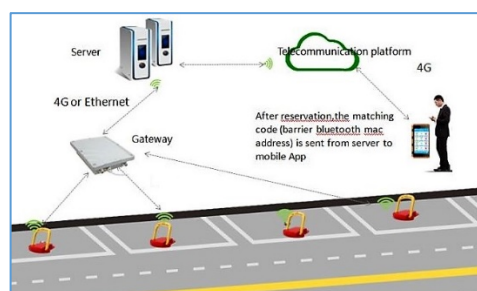
One of 32 connected parking lots in Yangzhong

All before introduced are merely technical solutions, but **our real value starts with making use of the parking data:**

SERVICES FOR DRIVERS:

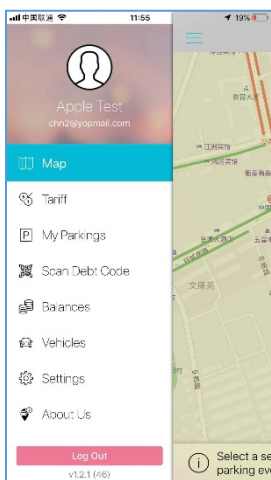
Cityzen provides the parking data on our cellphone app and/or intelligent LED traffic guidance signs in order to help them to find free parking spaces as fast as possible. You want to use a navigation to reach your destination? Based on Google or Baidu Cityzen can guide you to the closest available parking space to your destination! With the same app after arrival and parking you can start your parking payment for definite time or undefined time and pay via your balance as a registered user, or via SMS or bank card or WeChat or Alipay (the latter two are just available in China) or any other way which is available in your city! Just imagine you can save the around 8 minutes (average of EU cities with population above 1 million) per parking action. If you just park twice a day, then Cityzen is giving you 4 days per year which you can spend with your family and friends instead of nervously driving around and looking for a free parking space cursing you will be late for your meeting or picking up your kid from school. How cool is that? 😊

You want to book and reserve a parking space for your planned meeting? For off-street parking facilities our solution is ready and we are currently finalizing the function that even for on-street parking spaces this feature will be available! Cityzen will provide this service by Q2 2019!

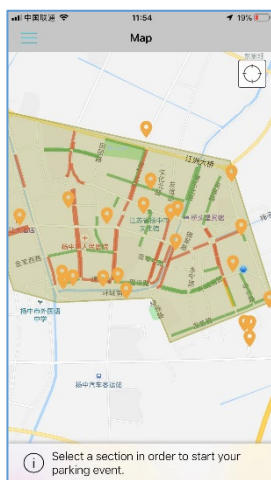


Nb-IoT solution also under development

You have a meeting tomorrow or the next week and want to know ahead of time how the parking availability of the location of your destination is? No problem! **Cityzen is analyzing the data of the past and can tell you what parking occupancy and turnover rate of the parking spaces of your destination will be!** You will never be late because you will know what the average time for finding a parking space is at your planned location. So you will know how much earlier you need to start your journey.



1.



2.



3.

Picture Nr 1: The Cityzen app showing the options in the menu of the Cityzen app

Picture Nr. 2: The Cityzen app showing the occupancy of the all the parking spaces in the whole parking zone

Picture Nr. 3: The Cityzen app showing the occupancy of the chosen parking section



4.



5.



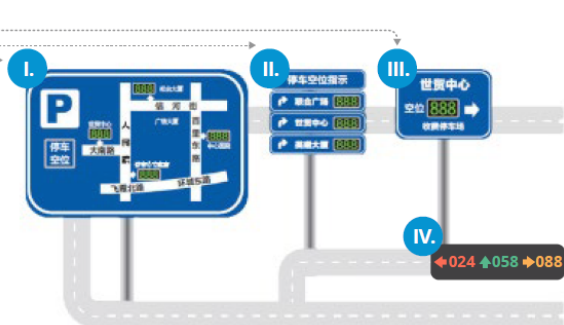
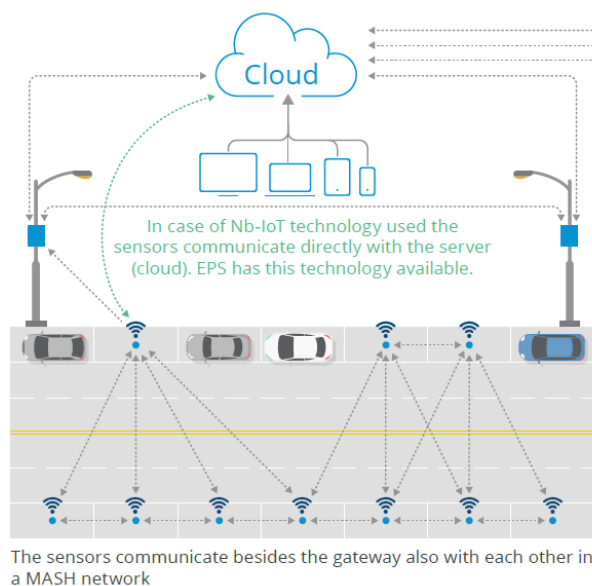
6.

Picture Nr. 4: The Cityzen app showing the possible options after choosing the parking section

Picture Nr. 5: The Cityzen app showing the occupancy of each and every parking space of the chosen section

Picture Nr. 6: The Cityzen app showing the occupancy of a chosen off-street parking facility

We are guiding the drivers also with intelligent LED traffic guidance signs:



I. **First-class guidance** screens display the road sections, approximate locations and real-time parking information of the surrounding parking lots.

II. **Second-class guidance** screens display the traffic directions, distances and real-time parking lot information of the surrounding parking lots.

III. **Third-class guidance** screens are set up near the entrance and exit of parking lots to display the real-time parking lot information.

IV. **Fourth-class guidance** screens display the on-site parking lot information



Yangzhong Smart Parking System's intelligent LED traffic guidance signs (1st level, 2nd level and two 3rd level sign) by EPS

How many times have I forgotten to start the parking payment, and after arriving back to your car you face the fact you received a fine. So annoying! Currently the payment of the fine is the next headache as you either have to deal with this in the customer's office of the parking management company, or to arrange the payment personally, maybe even if you can transfer via your internet bank you have to spend time with it. Not to mention how unjust it is that because you did not pay 1,- or 2,- EUR for parking you pay 10,- EUR for a fine. We are solving this problem for you: first of all the sensor is sending the data to the closest parking controller (based of the GPS data of the controller's handheld PDA) where the car is which have not started parking payment. **The parking controller arrives and instead of fining the car, the controller starts the parking payment from the moment the car has stopped on the parking spaces, based on the sensor's data.** Notifying the driver we have started the parking for you, please stop the parking payment (via our app or via your cellphone SMS based) and pay the parking fee, if not, then you will receive a fine.

So many drivers start the parking payment for undefined time and then forget to stop the payment. Paying 3 hours of parking for 1 hour of really parking on the parking space. If we can help them why not to do it? **In case Cityzen realizes that the parking payment is still ongoing, but the car parked out of the parking space we send the driver a push notification to her/his cellphone that we sensed you drove away from the parking space but your parking payment is still ongoing.** Do you want to stop the parking payment? With pushing one button you will never again overpay your parking time. This is one of the reasons it is worth to register to our system, so we know how to reach you in order to provide you the best available service!

And Cityzen is offering you many more services which we are happy to provide to you!

SERVICES FOR GOVERNMENTS:

Big dilemma of Municipal Governmental decision takers is whether to introduce the parking fee and/or if this measure is already in force then should they raise the parking fee or not. How to decide? **Cityzen is providing the Government with all the parking data, from the occupancy of the parking space through the turnover rate of the parking spaces to the revenue data and much more.** We create the transparency for the Government, not one eurocent can go unaccounted for! The Government knows if and when the parking fee has to be raised in case the occupancy rates and turnover rates show that the parking fee is too low! With providing the proof of too high occupancy of the parking spaces the Government can explain to the citizens why the parking fee has to be raised! If citizens understand, than they agree, so no more conflict between the Government and the citizens in this regard! We are happy to be able to contribute in creating a peaceful society!

Cityzen offers less investment and less operation cost than regular parking systems! Globally the high ownership of cell phones proves that that the personal management of parking administration has to be based on this device: According to the International Telecommunication Union (Source: World Telecommunication/ICT Report and database) the cellular subscriptions per 100 persons in the People's Republic of China is 105, in the USA it is 122, in the United Kingdom 120, in Germany 129, in France 106 in UAE 211, in Malaysia 134 and in Australia 113. The Hungarian Central Statistic Authority reported that in Q2 2018 for 100 Hungarian citizens 121,5 cellphone subscriptions were accounted and the Google Consumer Barometer measured in January, 2018 that 96 % of the Hungarian population owned a cellphone, 65 % a smart phone. So why to invest into high investment and operation cost related parking meters?! The investment per parking spaces of Cityzen system is less (or even if LED traffic signs are part of the smart system it equals that of) than a parking meter used system, but the operation cost is much lower and the functions and services provided by Cityzen are incomparably more.

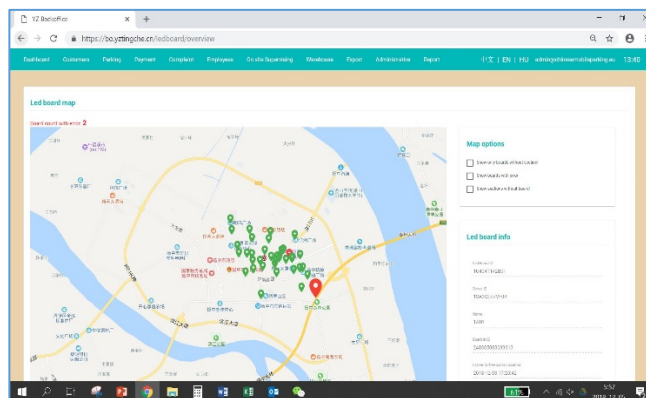
When using pay and display or even license plate based parking meters, the parking controllers have to move on a predetermined, bound route checking each and every car. Worse than that is that in a regular pay and display system the parking controller decides if the car has paid for parking or not, by checking if the parking ticket is under the windshield or not. Are they really checking? Maybe some cars they do not by coincidence or purposely... and even if they do, usually every parking space is checked every 30 minutes when the controllers make their rounds. **Cityzen knows when a car has stopped on a parking space and if the driver has started parking or not. If not then the system is sending the controller to the car, whom jumps on his electric scooter provided by us, to arrive ASAP (within minutes) and then the controller can start the parking for the driver.** So way less controllers are needed, which is less cost, as the salary of parking controllers is one of the highest cost item in parking management. On the other hand as the activity of the parking controllers is continuously under surveillance through their online PDAs by the Cityzen system, there is no possibility to accidentally or intentionally make mistakes, e.g. not to take action if a driver has not paid for parking.

All hardware elements' (sensors, LED signs, PDAs, etc.) functioning is under surveillance by Cityzen for fast and easy maintenance, but also for Governmental monitoring of the performance of the parking system operator. No more dispute if the SLA (Service Level Agreement) is met or not!

As Cityzen has a big data analyzing function, the Government has access to all the data online and additionally is receiving a report in a requested frequency with all the data and their summary (how much was the income, which payment method the drivers used, what was the parking occupancy, the turnover rate in summary, per street, per parking space, everything the Government wants)!



Cityzen's dashboard summarizing all parking data



LED guidance signs' surveillance function

Every trip with a car starts and ends in a parking space. With Cityzen we help your arrival to be easy, efficient and transparent!