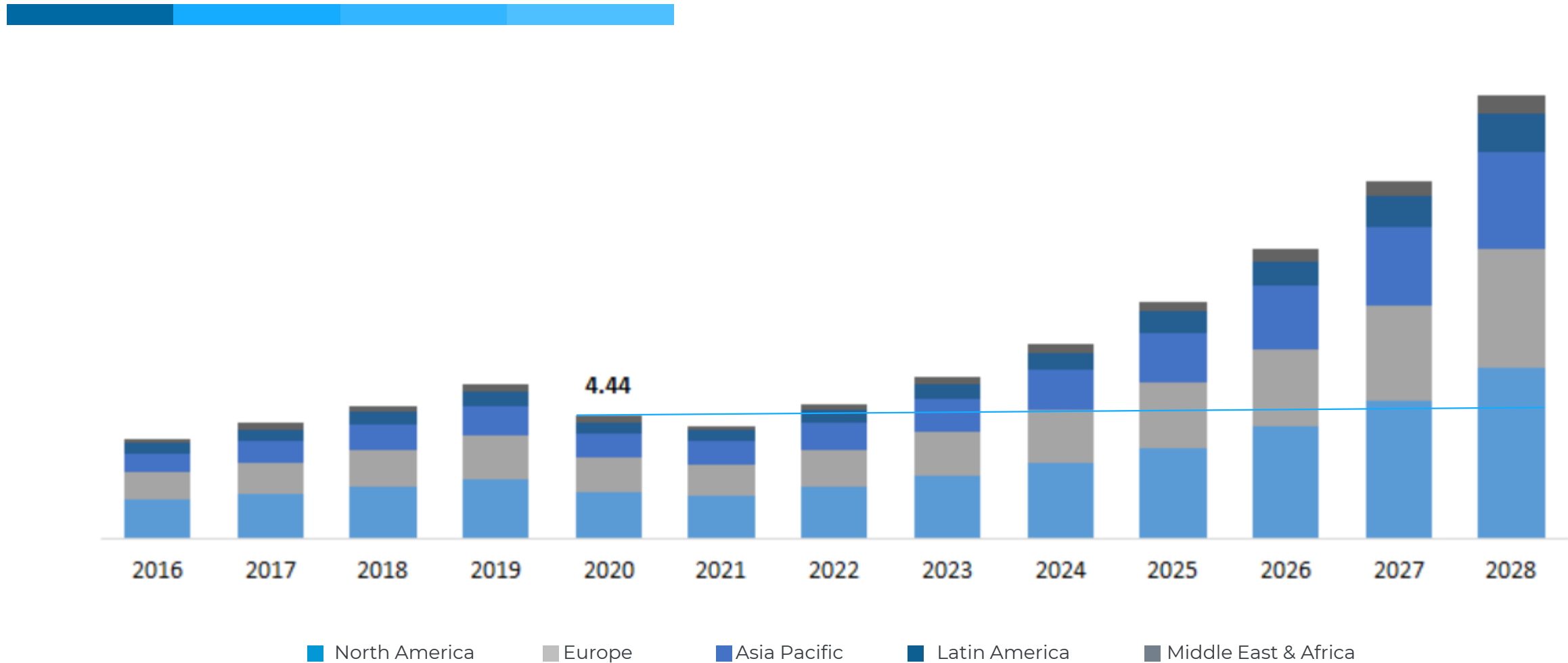# EPS GLOBAL

WE BUILD BRIDGES BETWEEN TRAFFIC MANAGEMENT CHALLENGES AND CUSTOMIZED PARKING MANAGEMENT SOLUTIONS

Smart Parking Systems Market Size, By Region

2016 – 2028 (USD Billion)

Value label on 2020 bar: 4.44

Legend: North America | Europe | Asia Pacific | Latin America | Middle East & Africa

X-axis: 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028

Source: Polaris Market Research Analysis

Problems of

Parking

Current Problems of Parking I.

Search Time & Cost for a Parking Space

New York City

Data per driver per year

107 hours spent looking for parking spots

$2,243 wasted time, fuel, and emissions

$4.3 billion costs to the Big Apple

United States

Data per driver per year

17 hours spent looking for parking spots

$345 wasted time, fuel, and emissions

$20 billion overpaying in total

Source: USA Today usatoday.com published 12th of July, 2017

European Scope
24
European countries
37,760,000
parking spaces
(under operations)

Source: European Parking Association
europeanparking.eu

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Current Problems of Parking II.

Customer and Operator issues to be resolved

Insufficient supply for parking spaces

Difficult to find parking spaces

Long parking space search time

Helpless, disorderly parking

Will inevitably be punished by police

Uneven service efficiency

Serious money loss

Lack of basic data

Insufficient management experience
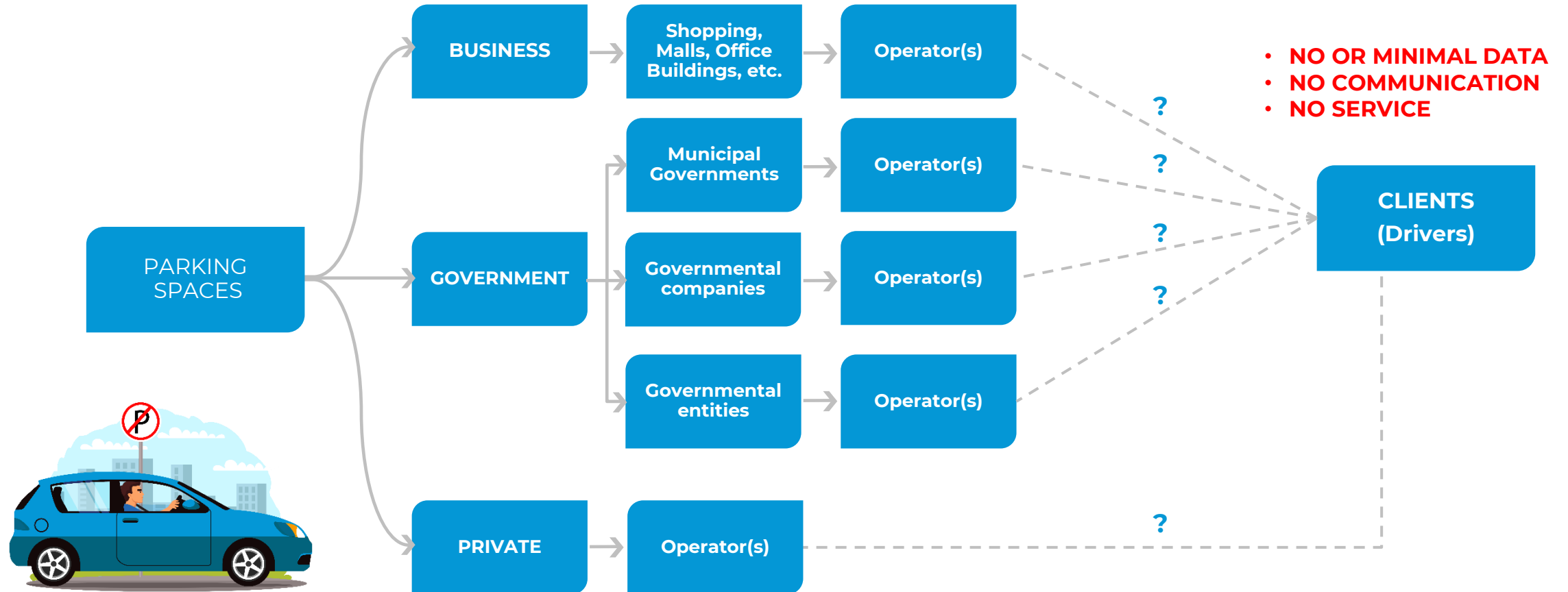
Lack of decision-making basis

High operation cost

Globally, there's a strong public demand to address the city parking issues.

Current Problems of Parking III.

Customer and Operator issues to be resolved

PARKING SPACES

BUSINESS → **Shopping, Malls, Office Buildings, etc.** → **Operator(s)**

GOVERNMENT
- **Municipal Governments** → **Operator(s)**
- **Governmental companies** → **Operator(s)**
- **Governmental entities** → **Operator(s)**

PRIVATE → **Operator(s)**

CLIENTS (Drivers)

- **NO OR MINIMAL DATA**
- **NO COMMUNICATION**
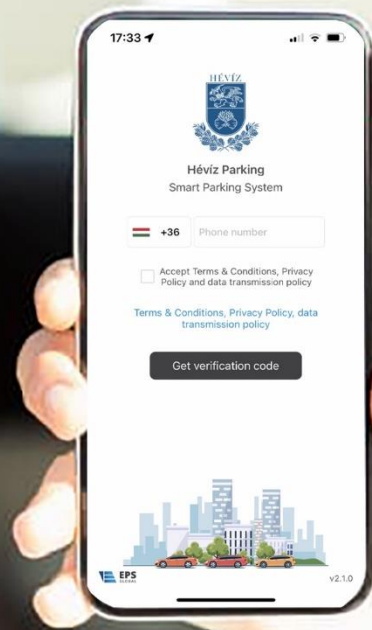- **NO SERVICE**

Fragmented:
A wide range of parking management and scattered parking resources

No standard:
No unified standard for access and release of parking space information

Integration difficulty:
The current models can not integrate existing parking resources
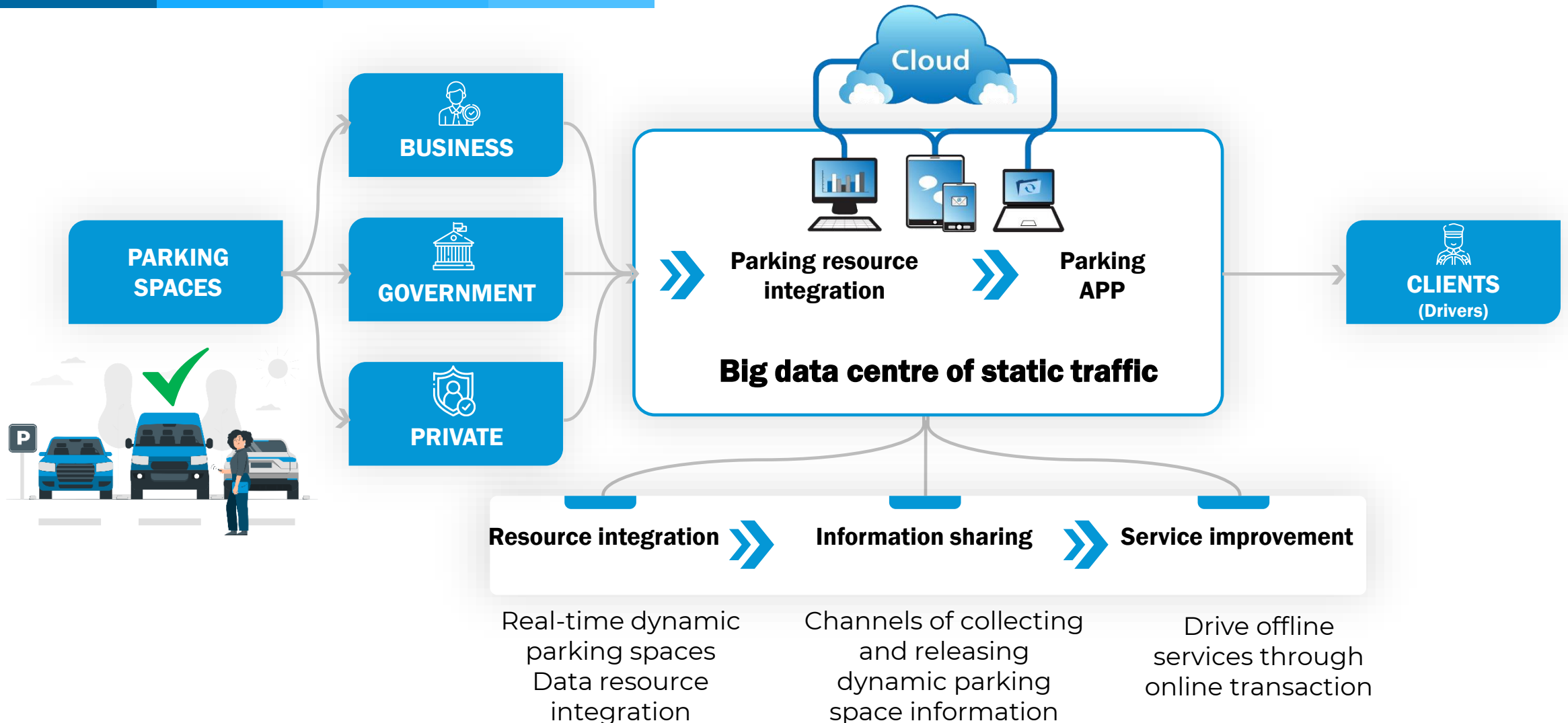
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Closed Parking ✅   On-Street Parking ✅

Unified Parking System
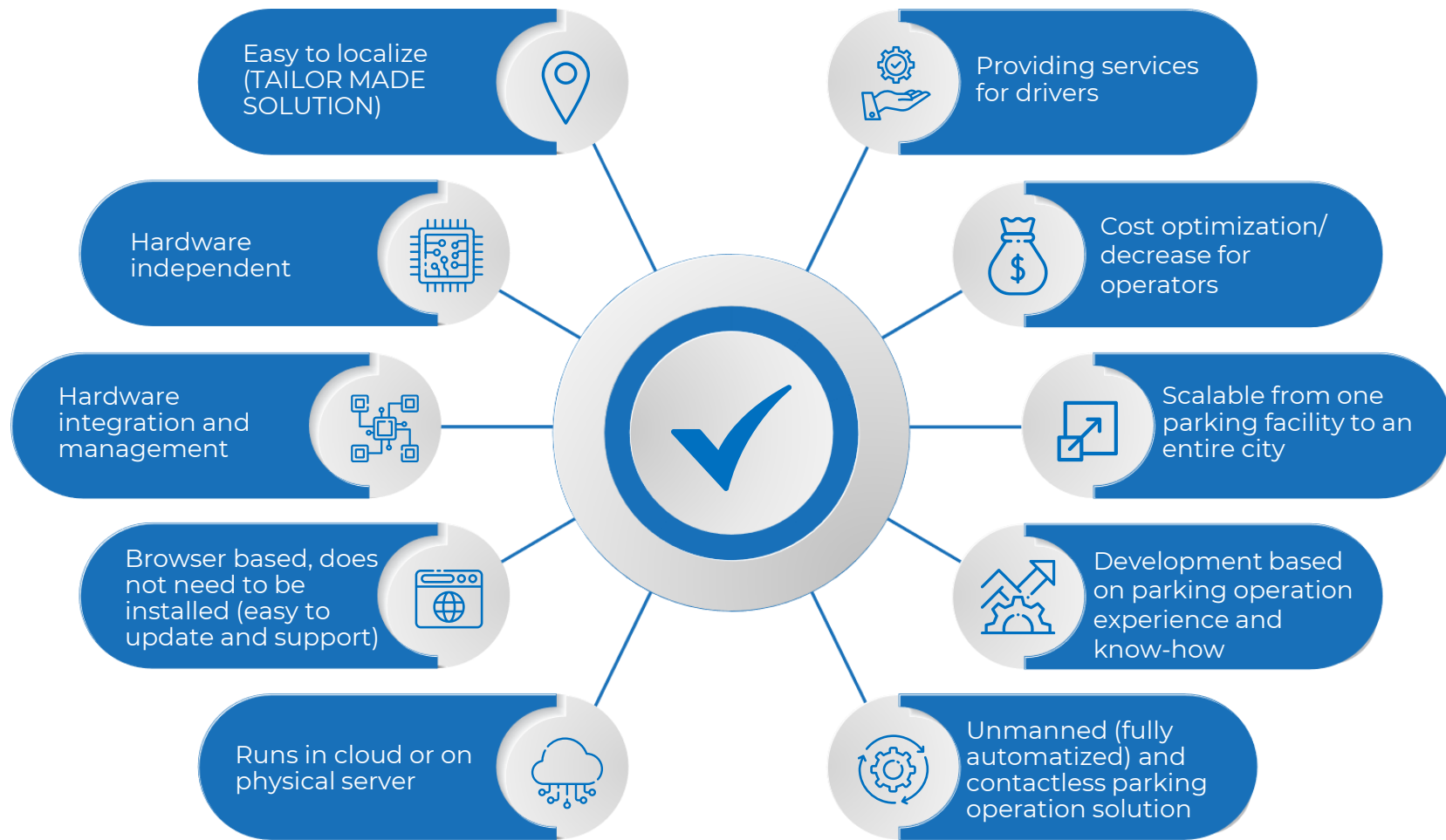
One platform for managing all parking operations

Smart parking cloud service platform

PARKING SPACES

BUSINESS

GOVERNMENT

PRIVATE

Cloud

Parking resource integration

Parking APP

Big data centre of static traffic

CLIENTS (Drivers)

Resource integration

Information sharing

Service improvement

Real-time dynamic parking spaces Data resource integration

Channels of collecting and releasing dynamic parking space information

Drive offline services through online transaction

Top Features of CityZen System

ALL-IN ONE (off-street, on-street, enforcement, debt collection) complex and modular smart parking management (ERP) system

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- Easy to localize (TAILOR MADE SOLUTION)
- Hardware independent
- Hardware integration and management
- Browser based, does not need to be installed (easy to update and support)
- Runs in cloud or on physical server
- Providing services for drivers
- Cost optimization/ decrease for operators
- Scalable from one parking facility to an entire city
- Development based on parking operation experience and know-how
- Unmanned (fully automatized) and contactless parking operation solution

Smart Parking Devices

Hardware-Independent Operation

Compatible with existing or new devices, tailored to the customer's specific situation and preferences.

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Parking Sensor with camera

Overview camera for Stream and Second processing

Parking Barriers and LPR Camera

EPS Box

CityZen system can directly control different parking devices regardless of brand.

Occupancy Ledboard

Information and Find my car terminal

Enter and exit Terminal with Intercom or Parking Meter

Enter and exit information display

Parking Sensor

Local or remote management and operation

Patrol E-bike for Enforcement

Cash and bank card parking payment terminal

Mobile Apps

iOS and Android Application

Complete parking functions in a user-friendly mobile experience

Our parking software was designed for ease of use and long-term reliability. The mobile app, available on iOS and Android, includes key features such as navigation to available spaces, reservations, and automatic payment with a registered bank card.

Features:

✓ Search for a parking lot using a map and also by address
✓ Interactive display of parking spaces and occupancy on the map
✓ Start-stop and post-paid parking with automatic payment
✓ Indication of active parking status, with current fee
✓ Automatic entry and payment for off-street parking lots
✓ Automatic parking stop upon exit
✓ Submit complaints and receive responses through the system
✓ Manage multiple license plates
✓ Support for various vehicle types (standard, electric, oversized, etc.)
✓ On-demand payment options: Alipay, WeChat Mini Program, card registration for bank payments, etc.
✓ Parking space reservation
✓ Simple SMS-based registration
✓ Unlimited potential for feature expansion

Our Products

CityZen Portal

Back Office
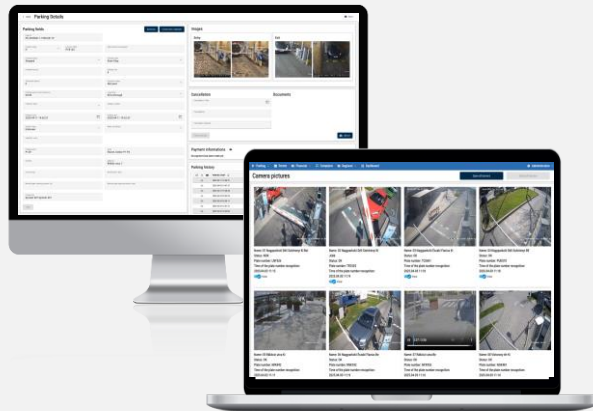
CityZen Application

iOS and Android
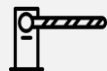

Technology

Parking IoT Solution
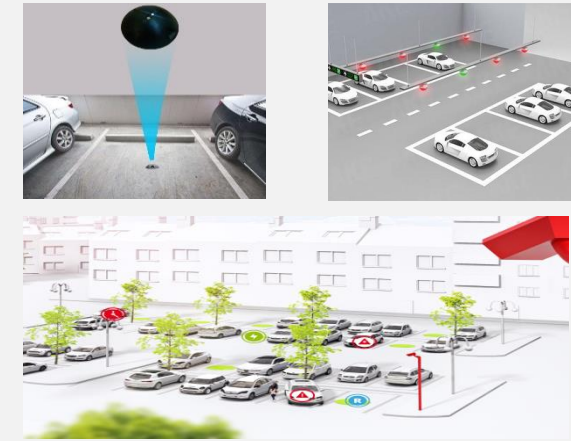
Integration with API - Including already existing devices

Device Services

- Payment terminal
- Barriers/Gates
- ALPR Camera

Driver Services

- Driver app
- Customer app
- Live Occupancy Data

Payment Services

- Local Bank
- International
- Alipay & WeChat

Remote Software Management and Operation

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At EPS Global, we manage parking systems across multiple countries, leveraging our robust local partnerships, while our software development and operational hub is situated in Europe. With our vast expertise, we are fully equipped to oversee software operations and tasks globally on a daily basis when required. **In 2024, our systems processed more than 9 million parking events and automatically handled more than 3 million barrier openings.**

Budapest, Hungary

We have implemented a smart parking system in a closed parking lots of Budapest city, III. district.

St John's Hospital, Hungary

In St John's Hospital, we have implemented an intelligent parking system in several enclosed car parks. Our system meets all emergency access and individual requests.

Brasov, Romania

We have delivered a smart parking system of 979 pcs geomagnetic sensors, 14 gateways and software.

Szeged University

We have implemented the smart parking system for SZTE University, one of the largest and top universities in Hungary.

Hévíz, Hungary

Since its introduction in 2022, our smart parking system has greatly boosted the municipality's parking revenue, showcasing its effectiveness in improving both financial sustainability and urban infrastructure.

Eleven Shopping Mall

We have delivered the smart parking system for the Eleven Center Shopping Mall in Budapest, XI. district

Yangzhong, China

We have deployed a city-wide smart parking system in Yangzhong city for over 2500 parking spaces, incorporating on-street and off-street parking solutions. The successful implementation of this project was managed by our European headquarters.

Nicosia, Cyprus

Our system operates 11 closed car parks in the city and connected to the Smart Nicosia platform.

Chifeng, China

We are presently managing a sophisticated smart parking system comprising more than 8000 parking spaces in the heart of Chifeng city's Hongshan district. Our company operated more than 20 closed car parks in the city, including shopping center car parks..
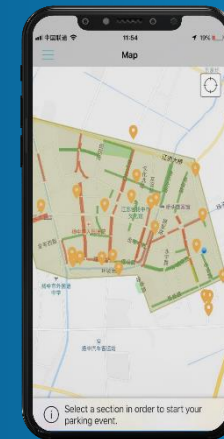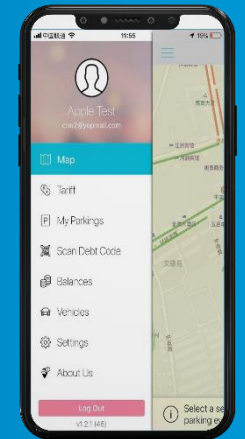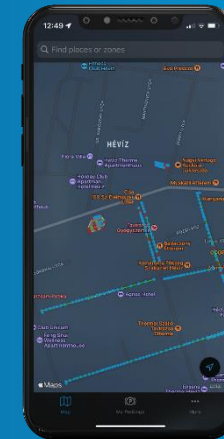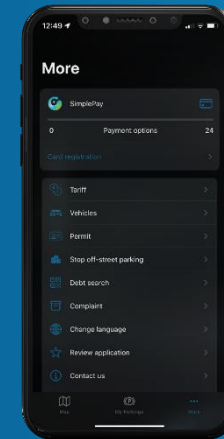
Saudi Arabia

One demo project has been implemented in Riyadh City and another one is in Medinah City. The parking sensors data is collected, transformed and uploaded onto the Nokia Smart City Platform.

Smart Parking Control Rooms built and operated by SPV companies of EPS Global
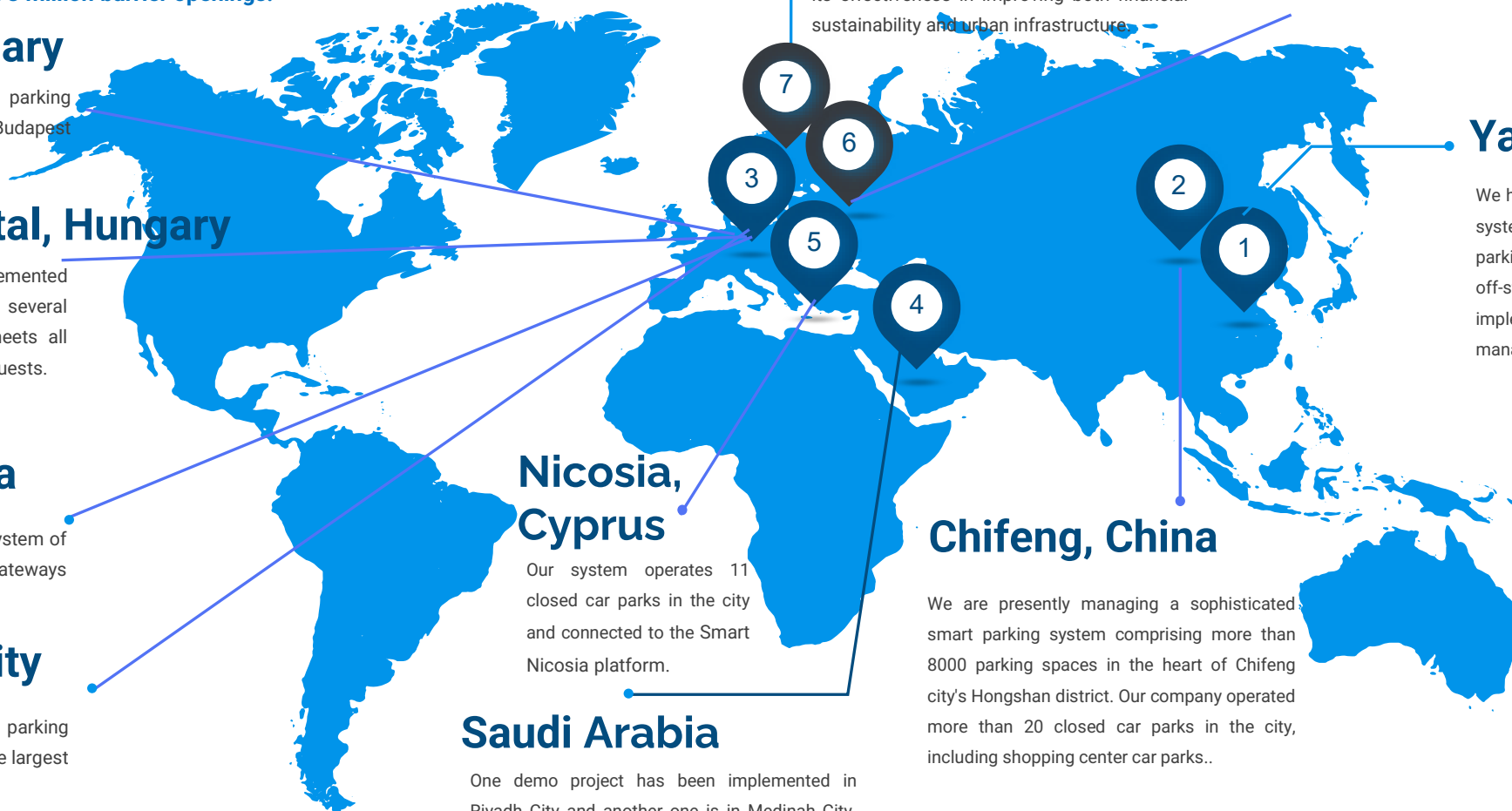
Web and smart phone user interfaces
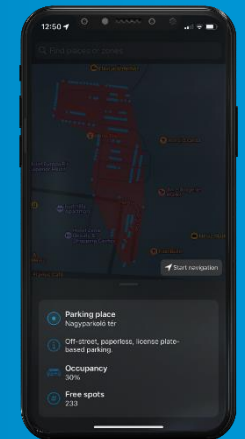
Reference Project

Municipal Government of Hévíz City, Hungary

Hévíz, Hungary

The Project

Project Highlights – 2021 H2 Public Tender
Delivery of Smart Parking System (hardware and software), support and maintenance services

Completed in 5 months:
- 2 touch-less parking lots with 350 parking spaces
- 12 entry/exit lanes, 4 terminals
- 400 public spaces with 10 parking meters, 2 LED displays

Parking Revenue Growth: Year 1: +35%, Year 2: +60%

Comprehensive Parking ERP System:
- Full operation support (electronic payments, AI-powered LPR, penalty management)
- iOS & Android apps
- Hardware integration, dashboard
- Multilingual (4 languages)
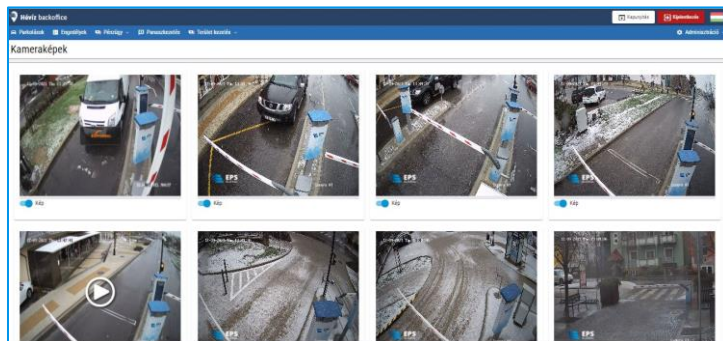
Reference Project

Eleven Center Shopping Mall, Hungary

The Project

Eleven Center – Controlled Access, Closed Parking System

- Solved uncontrolled long-term parking, improving availability for tenants and shoppers
- Deployed CityZen system for 240 spaces with LPR, barriers, mobile app, and payment kiosks
- Fully ticketless entry via license plate recognition
- Custom permits for 24/7 and night tenant access
- Payment by license plate at kiosks or in-app
- Remote management and real-time monitoring for efficient operation
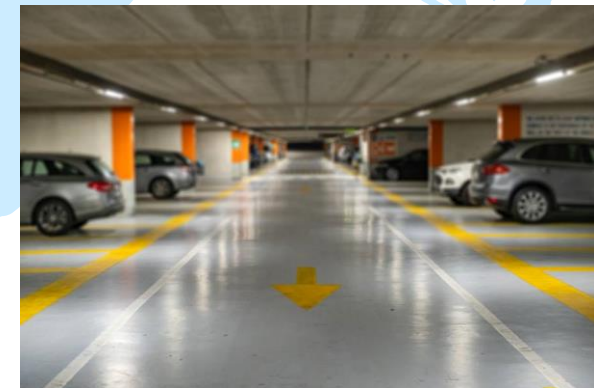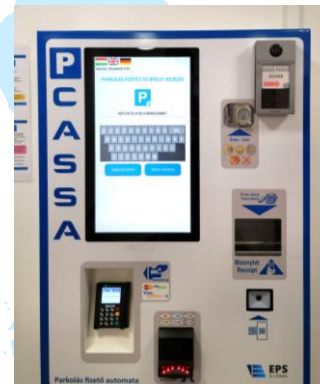
Reference Project

University of Szeged, Hungary

Szeged, Hungary

The Project

University of Szeged – Smart Parking System

- 4 sites, 880 closed parking spaces
- LPR access, optional RFID, multi-zone payment
- 9 kiosks, LED barriers, sensors, cameras, intercoms
- Central control with real-time monitoring and remote management
- Mobile payments, violation logging, and manual override supported

Collaboration Opportunities

Target audience

For Whom is it Beneficial?

- *Municipalities*
- *Real Estate Developers*
- *Parking Operators (shopping malls, commercial properties, hospitals, airports, universities and colleges, stadiums and arenas, hotels, residential, retail properties)*
- *Smart City Platform Providers*

Benefits

Key user benefits

For Operators

- *Optimized Parking Management*
- *Increased Parking Revenue*
- *Decreased Operating Costs*
- *Data-driven Automation*
- *Reduced Traffic Congestion*

For Drivers

- *Data-driven Guidance*
- *Reduced Time and Fuel Consumption*
- *Enhanced User Experience*
- *Additional Services*

THANK YOU for your attention!

Please visit our website for further information

info@epsglobal.eu

www.epsglobal.eu