



**CymbIoT**  
Making IoT Smarter



# Smart Parking Solution

# CymbIoT

## Smart Parking

SAFETY | NAVIGATION | PARKING

CymbIoT is offering a turnkey Smart Parking Solution, enabling municipalities, business owners, retail managers, hotel chains etc. to offer drivers an easy, effective, and efficient solution for managing the parking process.

With congestion and traffic jams affecting productivity, business flow, and the daily operations of drivers everywhere, smart management of parking spaces and identification of and navigation to free parking is a crucial element of the commuting experience. Whether saving time when looking for a free space in the office parking lot, or avoiding tickets when searching for legal parking in a city – smart management of the parking process is critical.

CymbIoT 's Smart Parking solution offers an end-to-end solution that addresses the issues and pain-points involved in the parking process: from helping find free parking, to directing drivers via mobile apps, to advanced services such as booking specific parking spaces and requesting preferred locations.



# Solution Elements - Sensors

## Parking Node

The parking node is a cost-effective, outdoor/indoor, wireless, battery powered parking sensor.

User friendly and easy to deploy, the node links sibling nodes and communicates the parking space occupancy to a remote server



## Parking Terminal

Payment through local municipal portal (WEB).

Service polls, to indicate and improve the parking experience.

Pay-Point, Advertising, Communicating Media.

Can be fitted with environmental, pollution, noise level sensors (Smart City IOT).

Touch panel for road information and tourist information;

Panel for public access and assistance



## Video Analytics

Using existing and new CCTV cameras as a sensory units to monitor record and recognize activities on the streets (illegal parking, occupancy etc.)



## The BLOK

Registered users can utilize this USB charger device which includes a SIM, GPS chip and operates from the car 12v socket.

The device sends the car location to the control center once parked and automatically starts the parking payment





# Solution Elements - Control

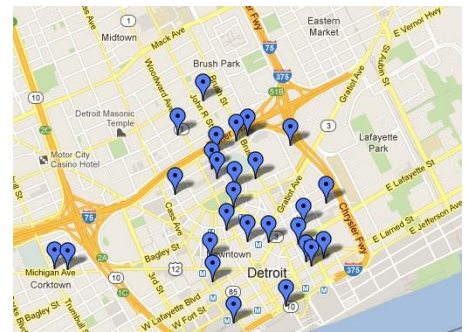
## Mobile Application

The mobile application enables drivers and parking agents to manage the Smart Parking experience: advanced booking of specific spaces, location of spaces with unique features (such as wheelchair access), and configuration of preferred location lists for office parking.



## Parking Overview

Identification and definition on a digital map (GIS) of the parking places with indication on occupancy, duration and type



## CRM & Billing

Managing data on users: Car number, Parking credit value, User and email, telephone number, subscription type, residential parking area, etc.

Credit account management per user, ability to distinguish between parking zones and services, supporting multiple payment methods.



## Parking Agent Terminal

Large touch screen terminal  
Able to run the agent interface application  
Support credit card transactions (cellular)  
User registration interface  
Embedded printer



# Cymbiot Command Center Suit

- ✓ Video monitoring and analytics
- ✓ Parking places management
- ✓ Complex reports and AI analyzes
- ✓ Defining alerts, processes and automated actions



## What's in it for the city?

- Centralized approach (IoT platform) in managing interactions and processes based on information received from the parking equipment, video camera and other types of sensors – **Smart city ready!**
- **JV with the municipality in which the city makes 50% of all new collected funds on top of what they make today**
- rearrangement and registration of all of the city parking lots
- **Parking agents commissioning system**

## How will it work?

- Billing will be enabled through almost all interfaces: physical card or online billing, cash, SMS and additional local billing tools
- Parking accounts can be accessed through: parking agents, dedicated parking meters, web interface, app
- Purchase of user equipment will be made via distribution networks
- Once a user wishes to park, he just needs to activate the parking app or equipment. His credit and parking status will be automatically updated

## Where to start?

**Cymbiot offers advisory services for decision makers on how to develop and implement the tailor-made street parking STRATEGY and long-term plan, adapting it to the local realities and conditions while answering needs of the citizens and city workers**

## We Provide

- ✓ Graphical drawing on a GIS-type map of all parking places
- ✓ Command Center and Video Wall for the Municipality
- ✓ Call Center 12/5 for support for users and agents
- ✓ High performance cloud system according to GDPR standards
- ✓ IOT platform with advanced video and GIS analysis modules, Billing platform, CRM platform and advanced BI module
- ✓ Mobile application for users and agents / supervisors
- ✓ All in One terminals for all parking agents and supervisors
- ✓ Parking meters with cash and card collection capacity
- ✓ Maintenance and Service and services billing and revenue collection

## Collaboration Modalities

- REVENUE SHARING (after brake-even) for a period of 15 years
- ONE TIME PAYMENT + Yearly maintenance



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CymbIoT's mission is to design, implement and deliver advanced Internet of Things (IoT), Video Management Solution (VMS), and Command & Control (C&C) platforms. We empower end users to configure and manage integrated networks of all types and scales - from Smart and Safe Cities, through Transportation Hub security, to Smart Buildings and Enterprise management.

With millions of sensors across numerous verticals using our products to deliver actionable intelligence and real-time response capabilities to customers worldwide - we have the experience, know-how and technology to deliver real world solutions that work.

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