

# MLS Solutions for Smart Parking

Optimizes Smart Parking



# Smart Parking Solution

IOT parking sensors with software for parking management.



## Real-time tracking example

0 / 6 spots now available in front of our HQ.



**P1** OCCUPIED  
6h 55min



**P2** OCCUPIED  
5h 52min



**P3** OCCUPIED  
5h 55min



**P4** OCCUPIED  
6h 22min



**P5** OCCUPIED  
6h 22min

PARKED AT  
8:01

PERMIT CARD  
400



**P6** OCCUPIED  
1h 22min



**P1** FREE  
5h 13min



**P2** FREE  
2h 8min

# Modular solution

## ACTUAL:



### IoT Sensor

*The foundation of the solution, enables tracking real-time parking occupancy, e-permitting and more.*



### Backend

*The Backend collects and interprets all data from the sensors and notifies in case of anomalies.*



### IoT Permit

*Placed into a vehicle and paired to the sensors in order to authorize parking (no-card = illegal parking).*

## IN DEVELOPEMENT:



### IoT eSign

*An informational, dynamic component of the solution that brings flexibility into on-street parking.*



### City Portal

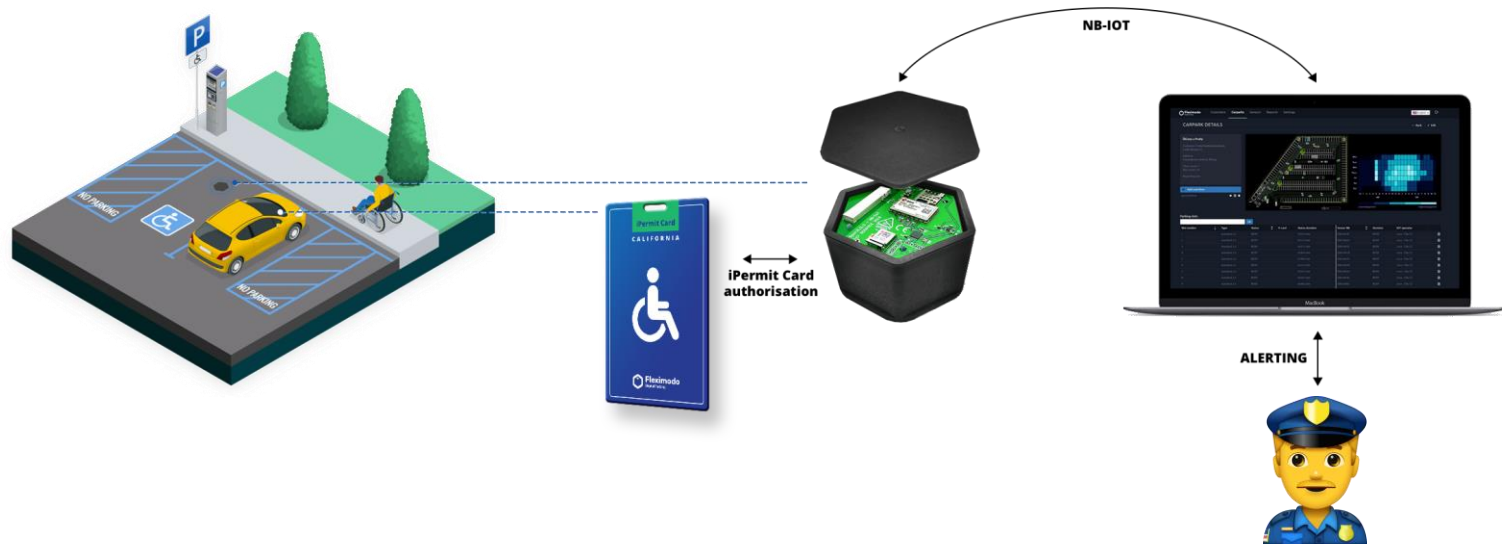
*The portal offers an overview of the real-time situation, controlling the status of deployed infrastructure.*



### Mobile apps

*Mobile Apps enables navigation towards vacant parking slots, information about parking prices.*

# How it works together



# Current use cases



Residential parking

Real time occupancy



Disabled parking

Prohibited parking



Time limited parking



# Future use cases



**Congestion Pricing**

**EV charging services**

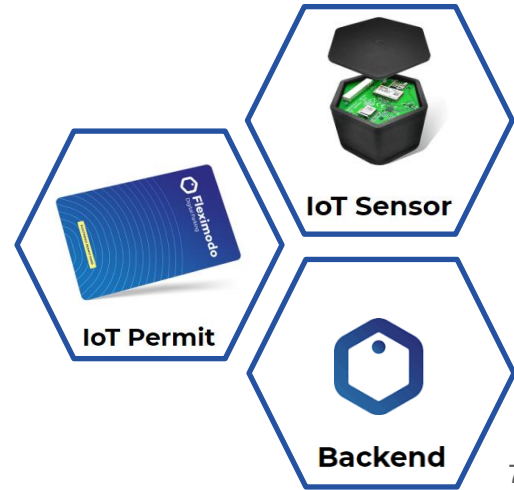
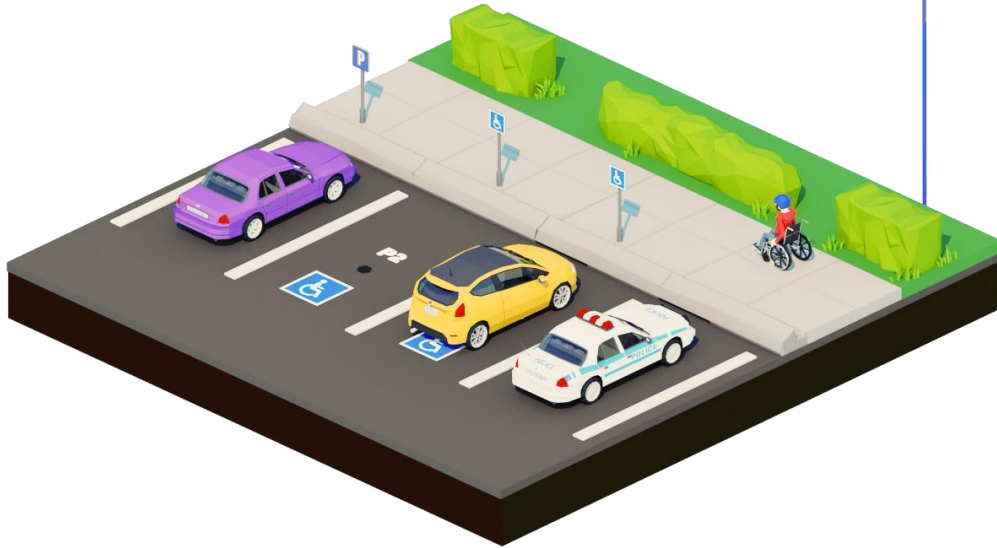


# Disabled parking

*Parking slots for disabled are often taken illegally.*

- Increased revenue from fines
- Protection of parking for disabled
- Promotes socially responsible behavior

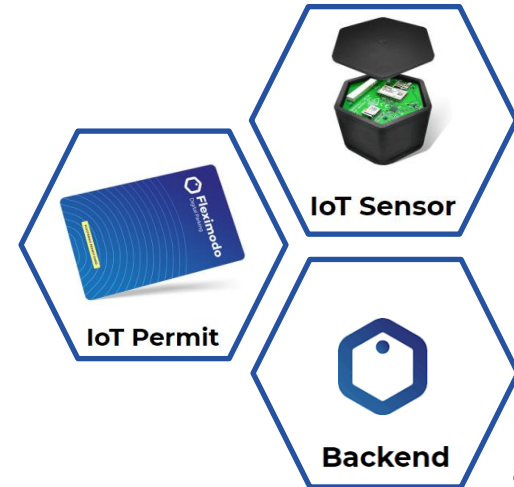
Disabled parking



# Residential parking

*The residents are fed up with cruising around when all parking slots are taken.*

- Protection the parking for the residents
- Supporting shared parking
- Enforcement of parking policy

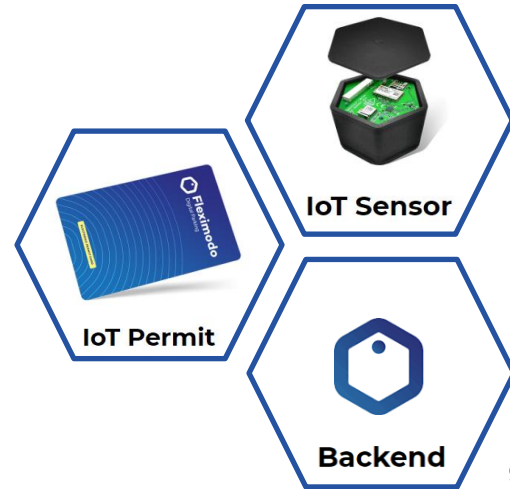
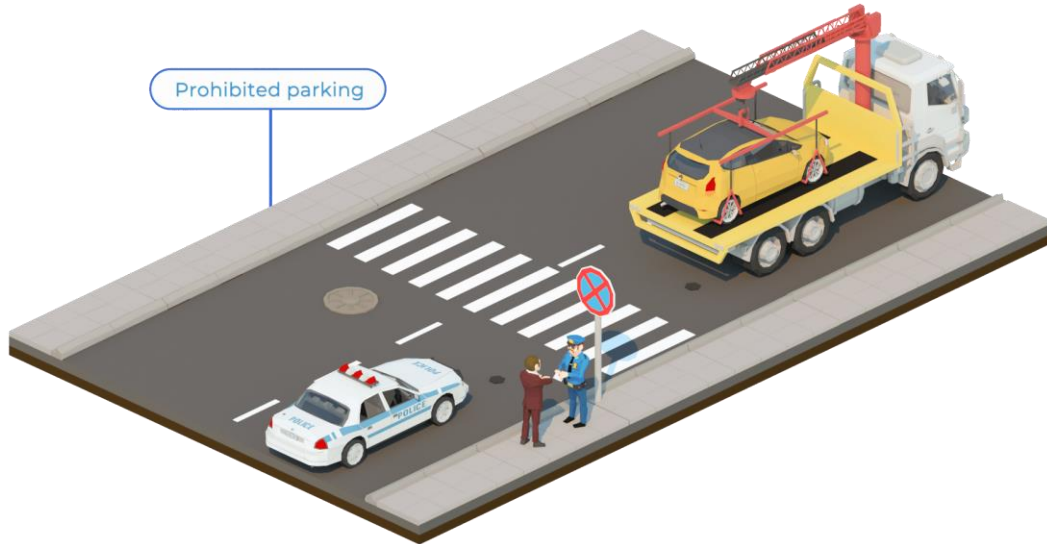




# Prohibited parking

*There are particular space that cannot be occupied by vehicle and the rule is not followed.*

- Increase revenue from fines
- Protection against unwanted parking
- Safety

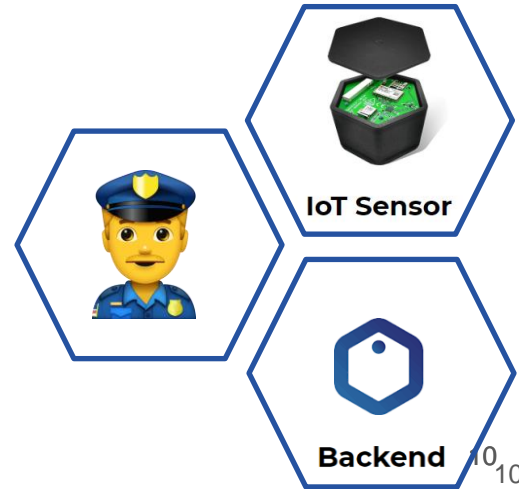
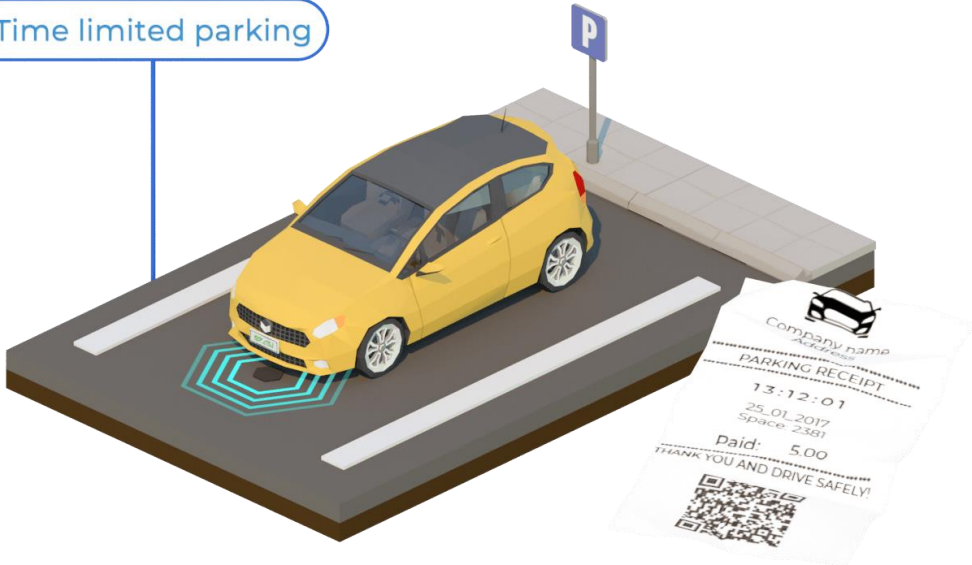


# Time limited parking

*Cities and parking lot owners are losing a lot of income from overstay parking.*

- Guidance towards free parking slots
- Dramatic increase in revenues
- Enforcement of parking policy

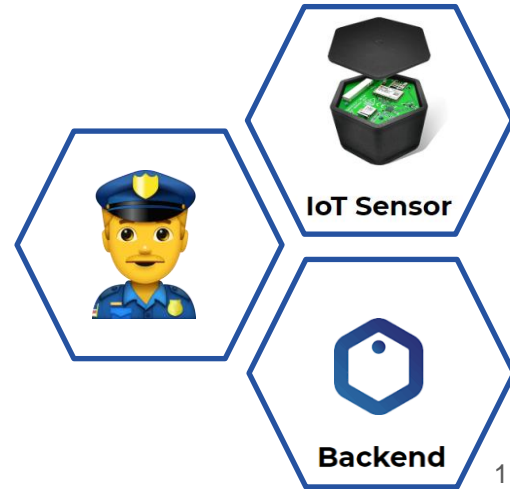
Time limited parking



# Congestion Pricing

*City centres are overcrowded by vehicles either parking, cruising for parking, or transiting.*

- Sustainable traffic in city centres
- Fair price policy based on demand
- Cost effective city toll

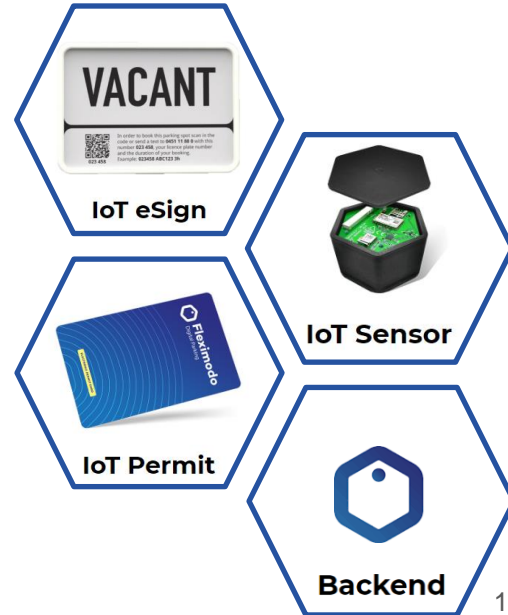


# EV charger services

*MLS technology empowers electric mobility by a whole chain of services.*



- Upfront booking of a charging slot
- Protecting EV parking spaces
- Automatic (IoT) payment



# Thank you

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