



urbanradar.io



# FlexCurb: smarter curbside management

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**POLIS**  
CITIES AND REGIONS FOR TRANSPORT INNOVATION

 eit Urban Mobility

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**Cities curbs are an increasingly valuable and contested resource for urban freight, cars, bikes, and others.**

**Now more than ever, cities need to take an evidence based approach to allocate the curb for all its users.**

1. Digital inventory of curb assets and regulations for curb planning
2. Reveal curb use patterns to inform public space interventions
3. Mobile app for freight drivers to access loading zones

## Goals of 4 pilot projects

- Prioritize changes to loading zones and other curb uses
- Improve analysis of parking sensor data in light of local regulations
- Communicate temporary loading zone closures and regulations directly to their users (drivers)



Before, our curb data was fragmented and we could never really understand how well we were doing. With FlexCurb, I can see clearly the actions we need to take to advance our sustainability plans, with data to convince our politicians

**Mobility Projects Coordinator,  
City of Leuven**



## FlexCurb is built to address cities needs



**leuven**

Pop: 100k

Identify and evaluate changes to parking regulations and loading zones



Pop: 105k

Share loading zones occupation with freight drivers



Pop: 480k

Understand activity and improve regulations in Low-emissions zone



Pop: 1M

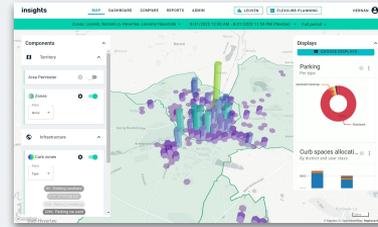
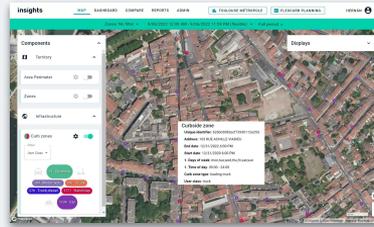
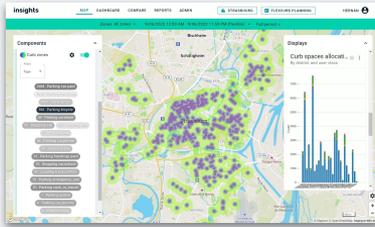
Share curbside closures with logisticians





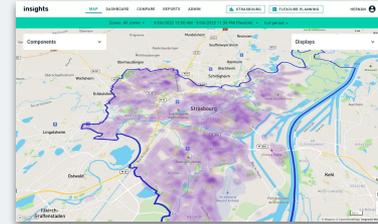
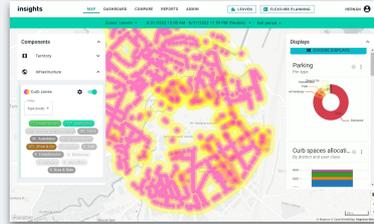
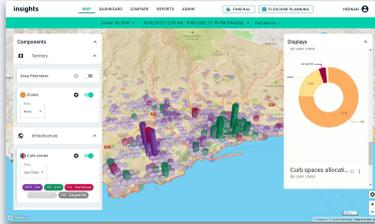
## Answer complex curb-related questions in minutes

Loading Zone planning



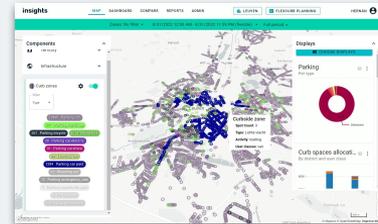
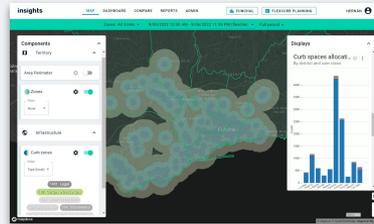
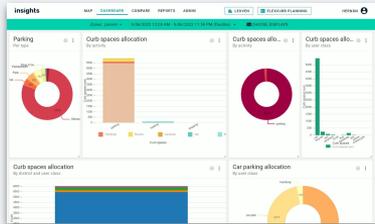
Activity patterns

Regulations evaluation

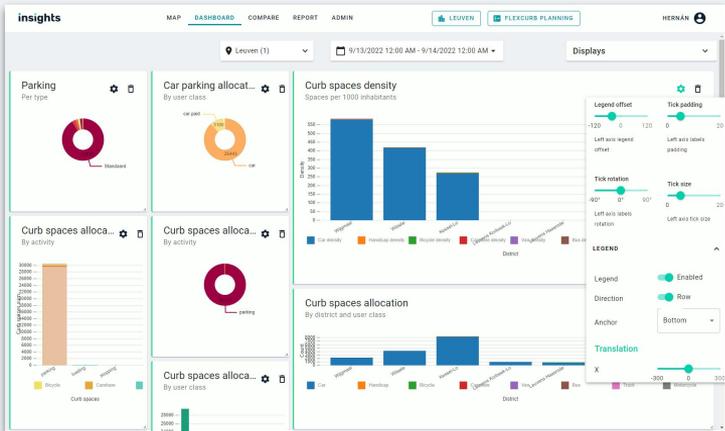


Allocation imbalance

Curb use imbalance



Underused zones



## FlexCurb

### Daily insights for curb managers



#### Ready to use curbside inventory for city managers

Quickly answer daily questions about how the curb is allocated and used without the need of mapping or data specialists



#### Improve mobility and logistics efficiency through better curb access

Minimize frictions between competing curb uses. Prioritize curb access to incentivize sustainable mobility and logistics

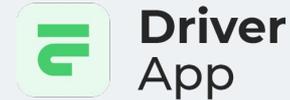
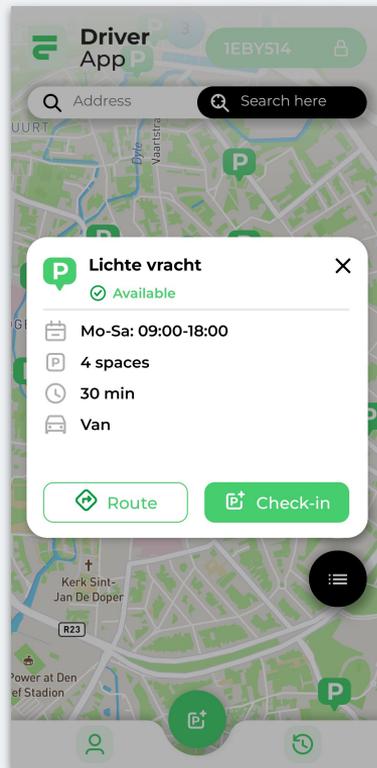
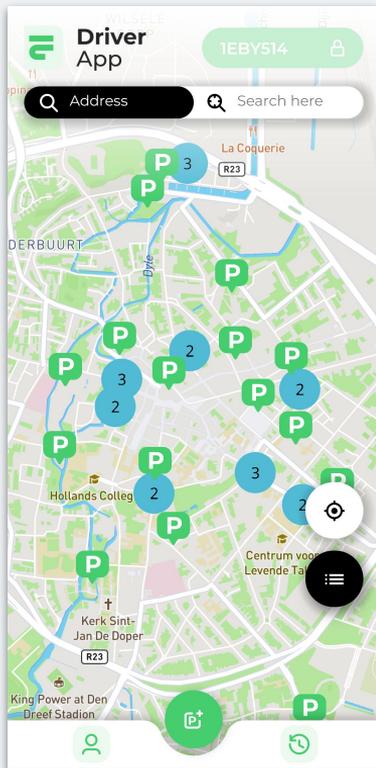


#### Digitize and communicate the curb inventory



Communicate with citizens and businesses using an interoperable data format of the curb and clear performance metrics

# FlexCurb Driver App©: seamless access to the curb



## Efficient curb access for freight parking

### Locate best loading zones for freight

- ✓ Assist navigation and access to the closest and most convenient loading zones

### Minimize logistics inefficiencies and curb conflicts

- ✓ Prevent congestion and freight delays by reducing illegal and double parking events

### Seamless communication and compliance of curb regulations with logisticians

- ✓ Empower drivers to comply with complex curb and loading zones regulations



*Before having FlexCurb, we could not take full advantage of some data we had because we lacked functionalities to use them. In particular, data on curb occupation were not fully exploited*

**Jean Melounou,**  
Eurométropole de Strasbourg



## Informing decision-making at the curb

- “ Flexible curb regulations for cars, bikes, and deliveries now seem doable
- “ FlexCurb supported our policy goals by helping rethink curb use
- “ We could more easily decide where to position new loading zones and bike racks



## Improving urban logistics

- “ It's a promising way to reconcile last mile logistics and improve quality of life in the city

## Augmenting collaborations

- “ Thanks to FlexCurb, we improved city collaborations with the logistics industry
- “ It has the potential to improve our workflows with external consultants



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Spatial analytics for  
smart cities

**FlexCurb**  
Smarter Curbside Management