

An aerial photograph of a city street intersection. The street is paved and has several cars parked and driving. There are trees with yellow and green leaves on the left side. Buildings with red roofs are visible on the right side. The overall scene is a typical urban environment.

Nivel delivers a **digital regulation tool** to help cities take control of the public space. Smart, **dynamic** regulation makes cities **tidier, safer** - with better **mobility**

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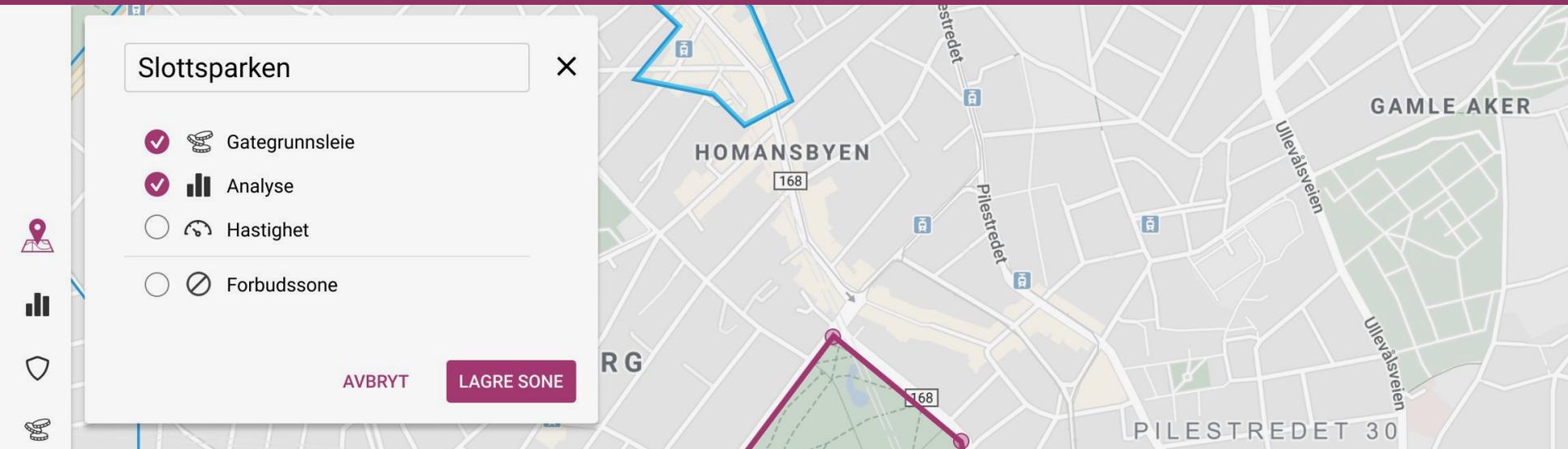
Pitch deck | Nivel AS | April 2020



# Nivel:

A Norwegian govtech-startup delivering digital regulation tools for local authorities.

First thing to be controlled: shared e-scooters



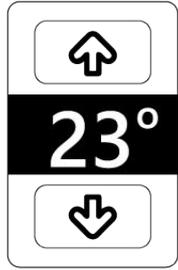
New business models and mobility services



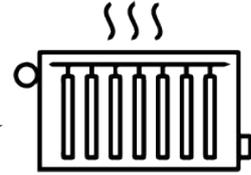
**Dynamic, digital regulation**

There are common ways of  
**regulation:**

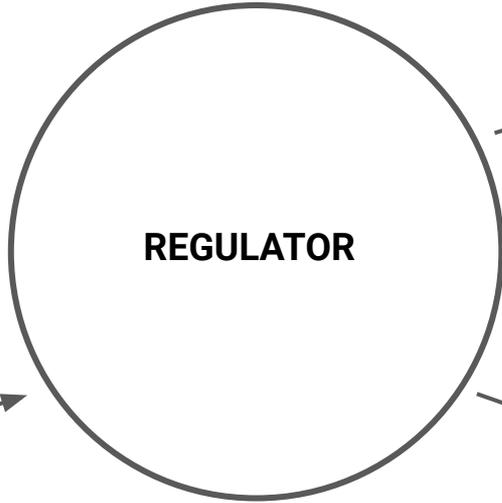
desired value



means to increase



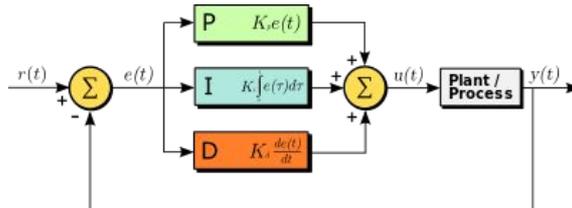
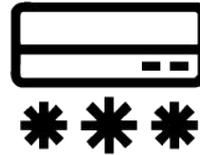
$\Delta T$



measured value



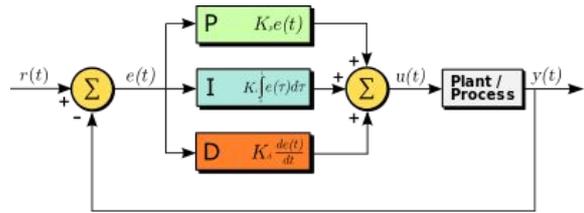
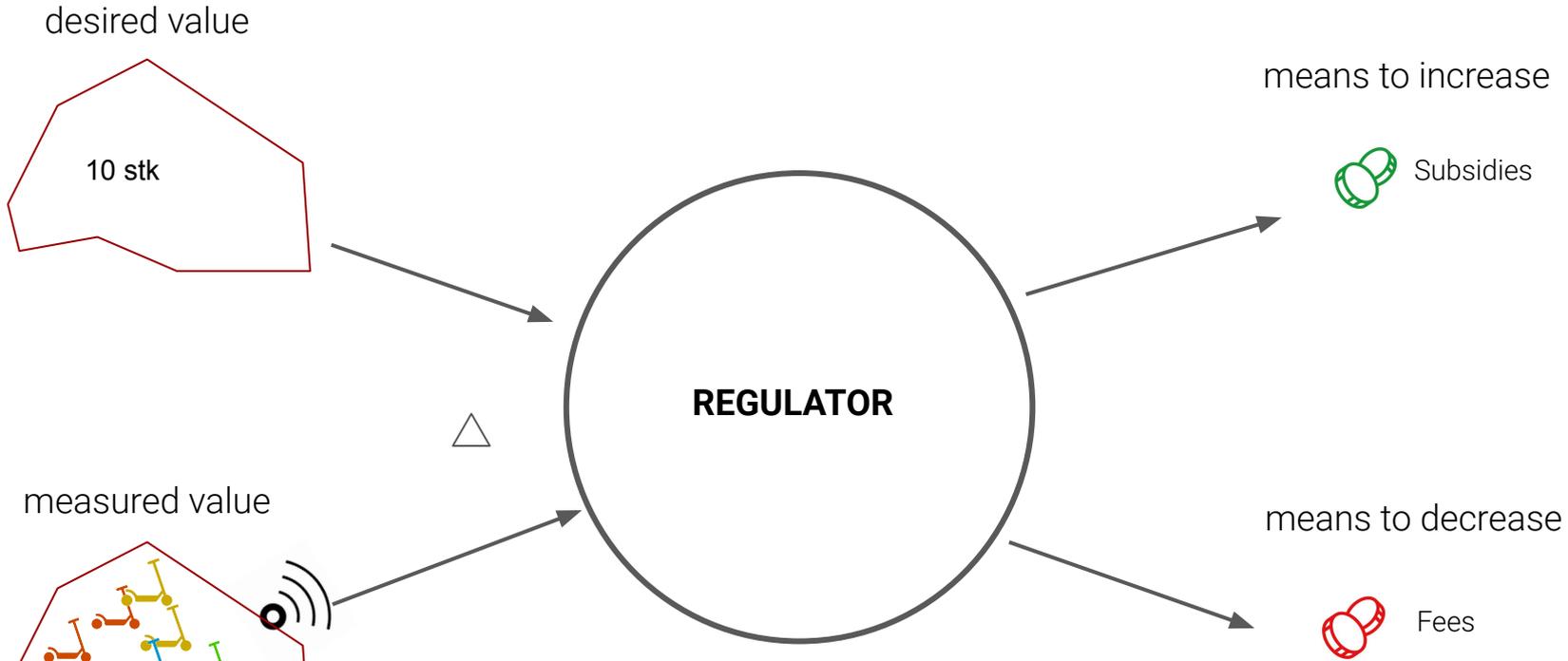
means to decrease





We are used to public space fees

With **digital regulation** we can put **shared data** and **microtransactions** to work



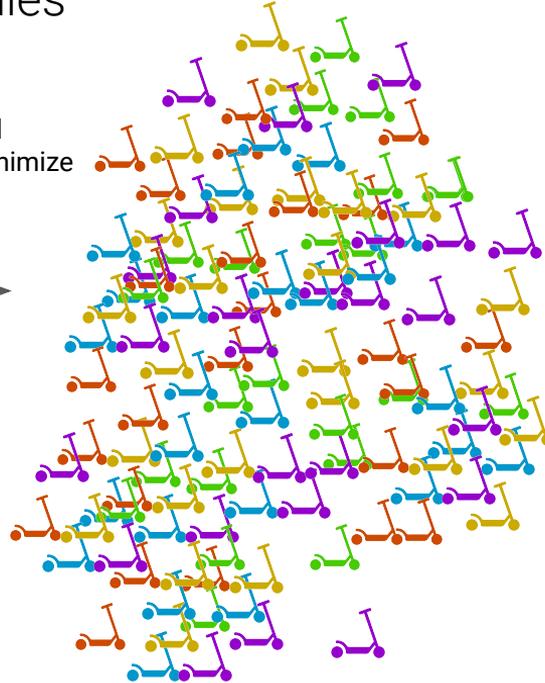
## Situation today:

### Scooter companies



**trying to:**  
Maximize rental revenue and minimize operation costs

**Tool:**  
Sophisticated digital fleet management



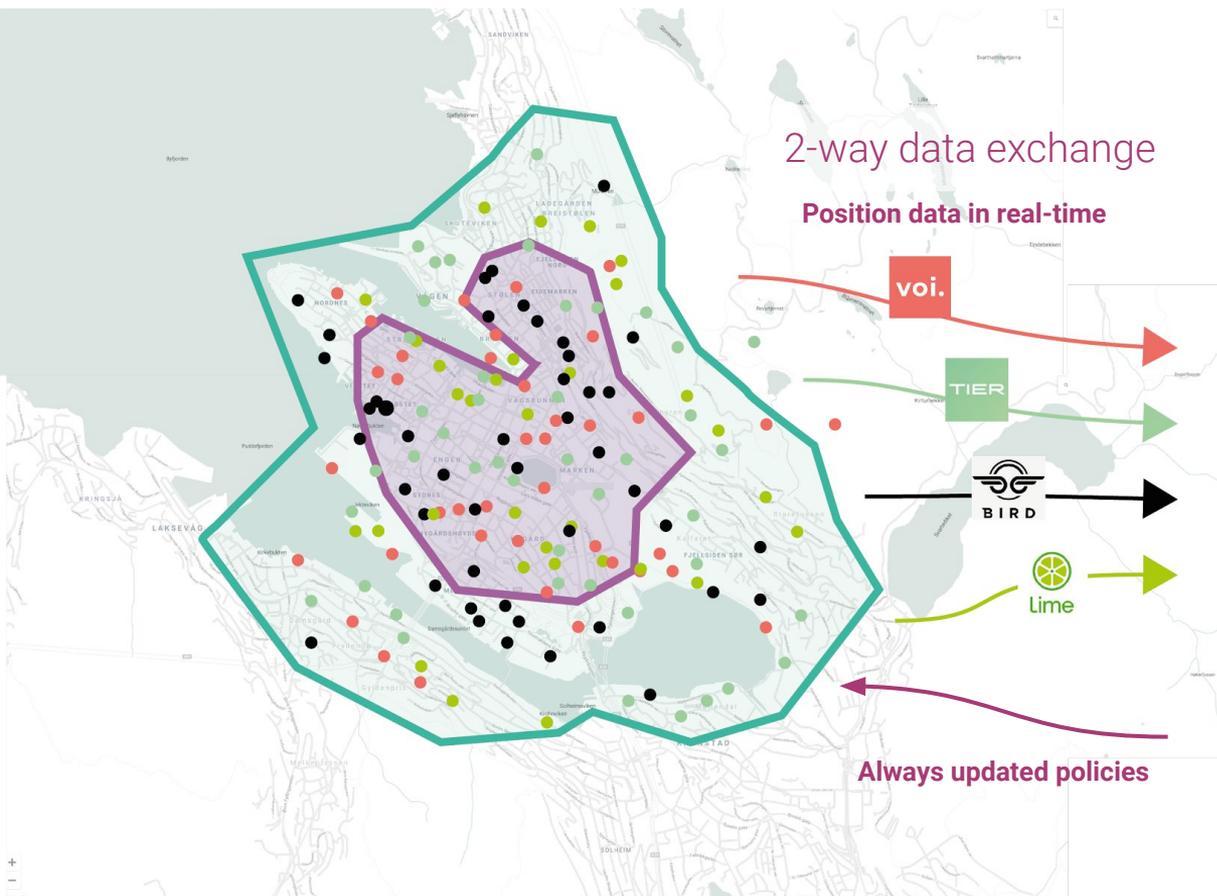
### Local authorities

**trying to:**  
Minimize negative impact on society in general, while supporting positive impact.

**Current tool:**  
Simple analogue rules



**with Nivel Regulator:**  
Sophisticated digital regulation powered by real-time data, a smart algorithm and economic incentives.



2-way data exchange

Position data in real-time

voi.

TIER

BIRD

Lime

Always updated policies

## Nivel Regulator tool



Calculates fees - or subsidies



Zones, rules, fees

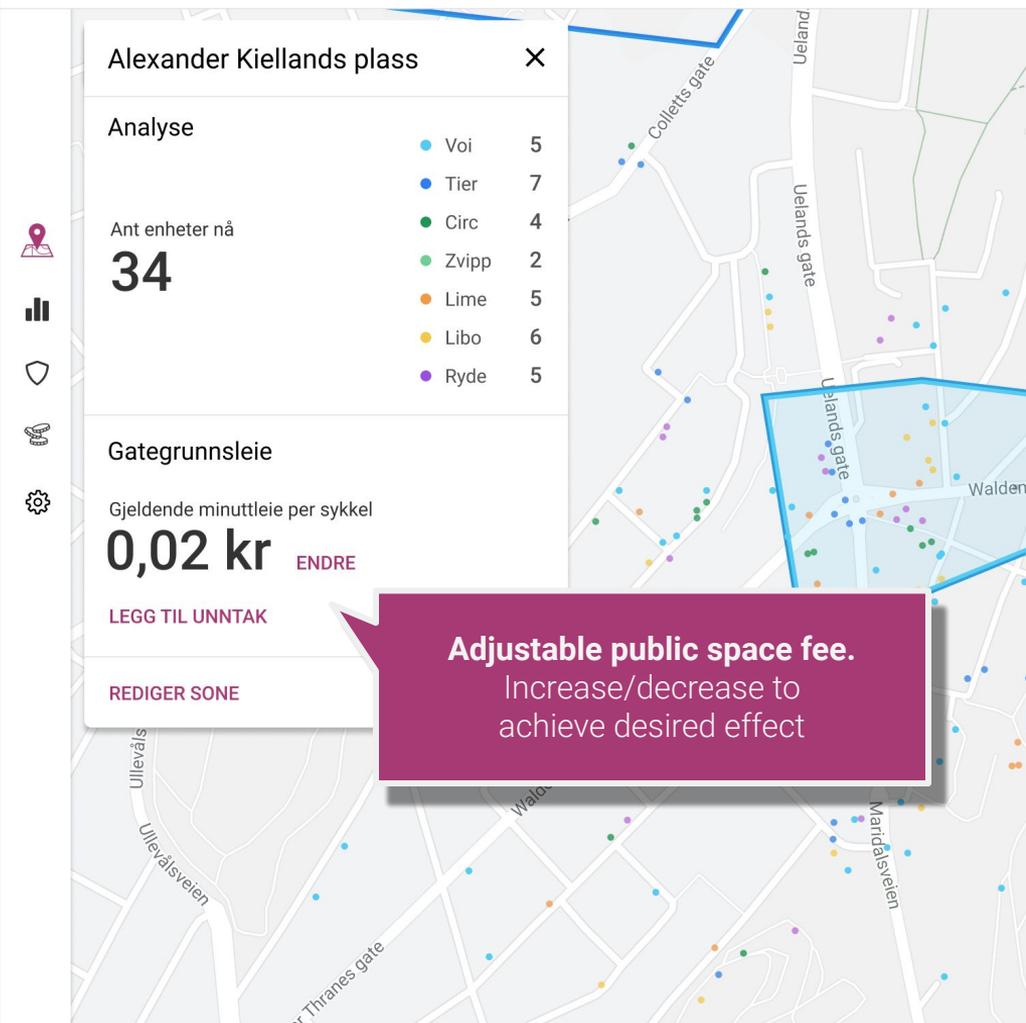


Analytics

Cities struggles to develop scalable, efficient digital solutions.

# Nivel Regulator

A standardised, user-friendly tool for city administrations, flexible enough to cater for local differences.





< ... X

📍 1 - Indre sentrumssone

**P** 79 parking areas, total capacity: 2497

🚫 Parking forbidden

🛴 206 scooters

🕒 4 kr/day (per scooter)

💬 Add comment

**Scooter**

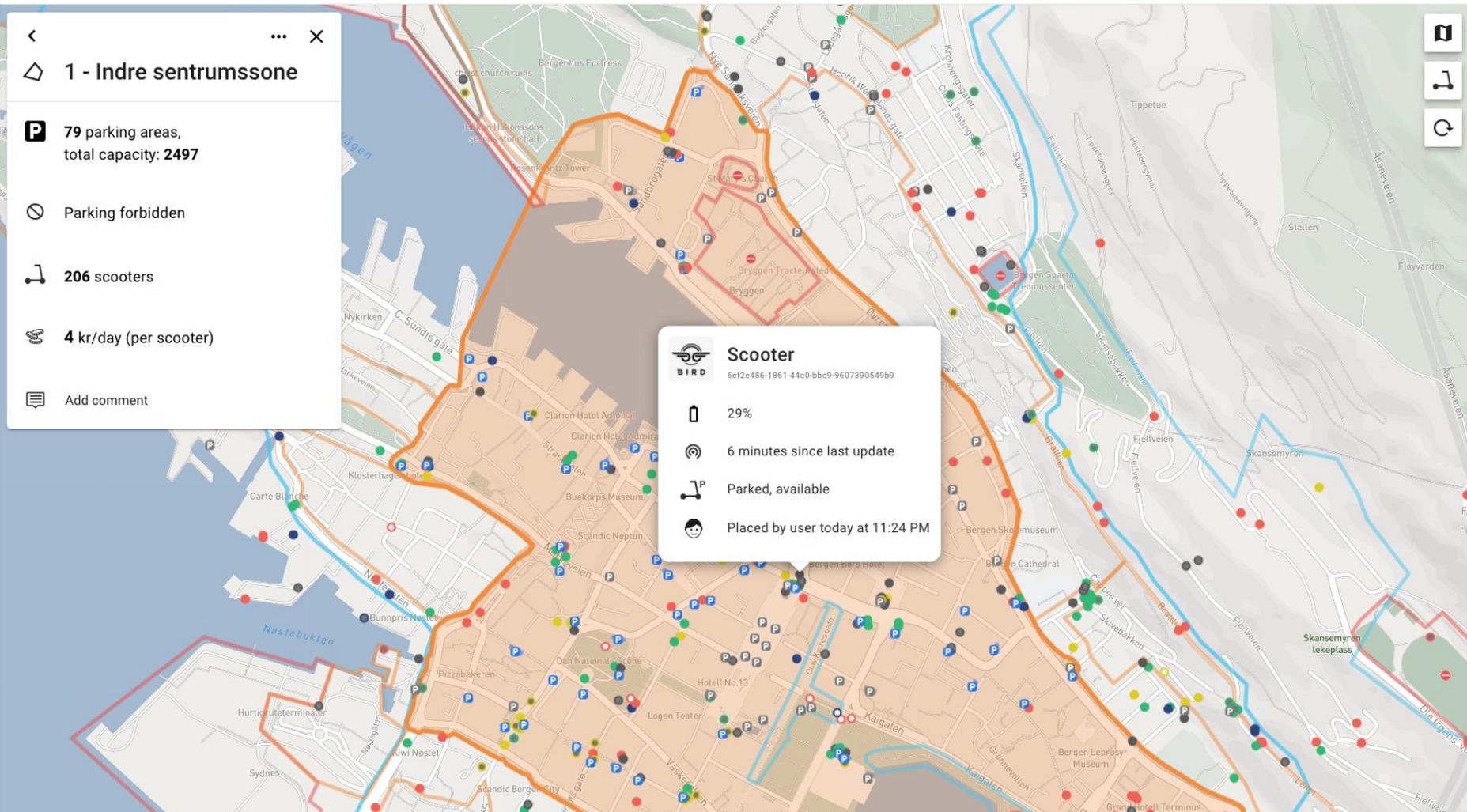
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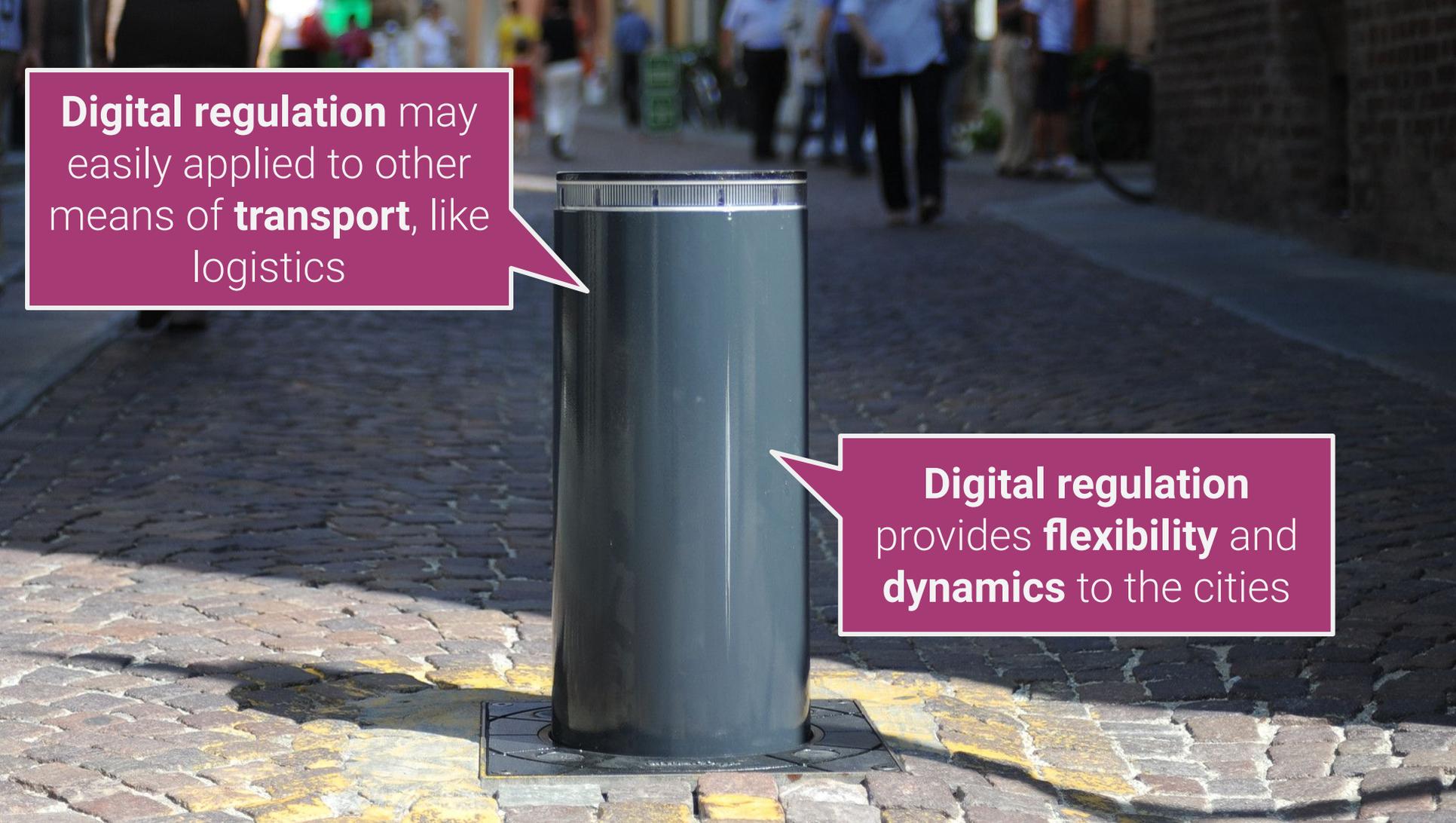
📶 29%

🕒 6 minutes since last update

🛴 Parked, available

👤 Placed by user today at 11:24 PM





**Digital regulation** may easily applied to other means of **transport**, like logistics

**Digital regulation** provides **flexibility** and **dynamics** to the cities



**= IOT device**



**= IOT device**



**= IOT device**



= IOT device

Want to **deliver services** in our city?  
You have to **share data** and  
**comply to rules.**



= IOT device

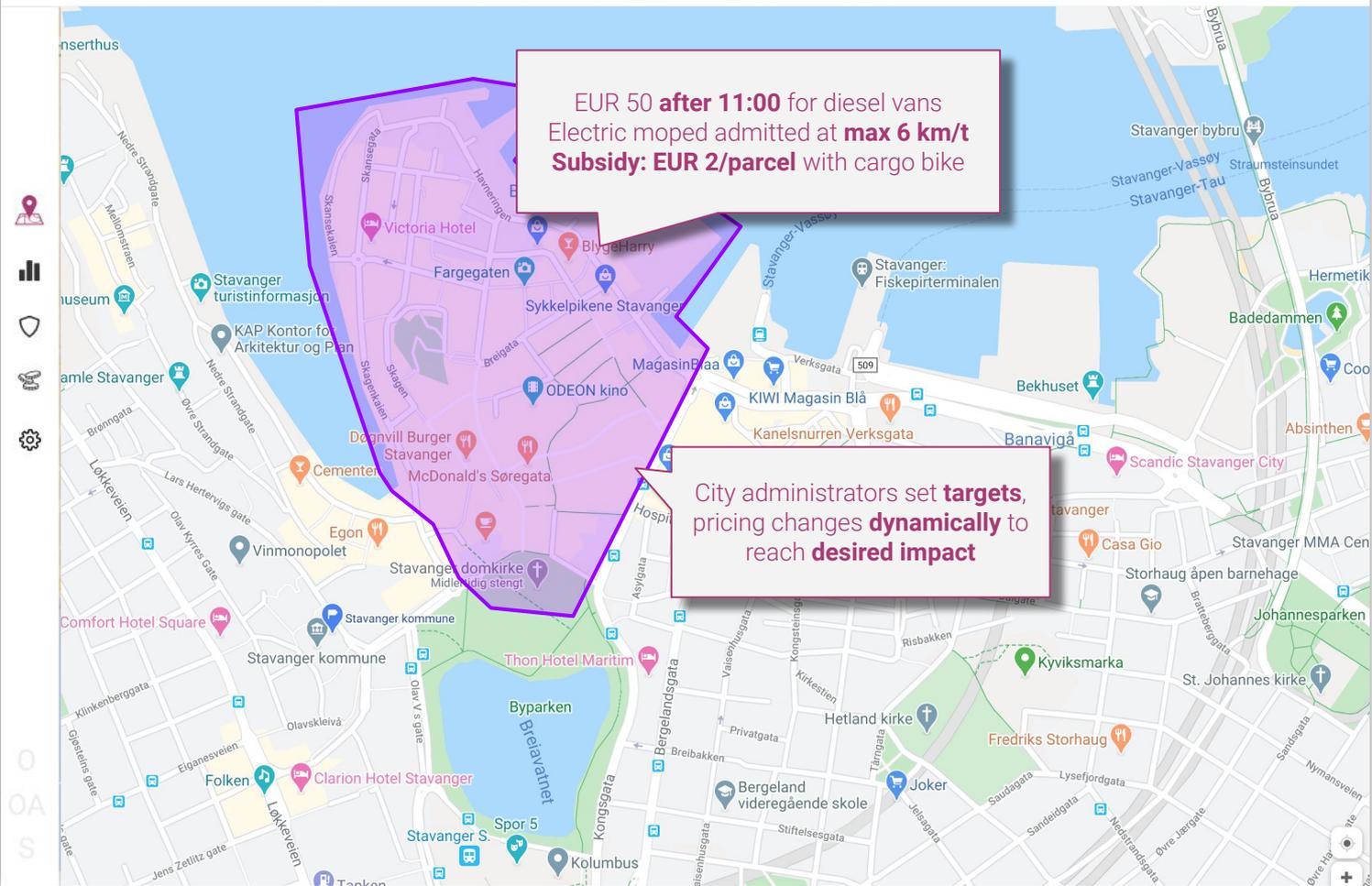


= IOT device

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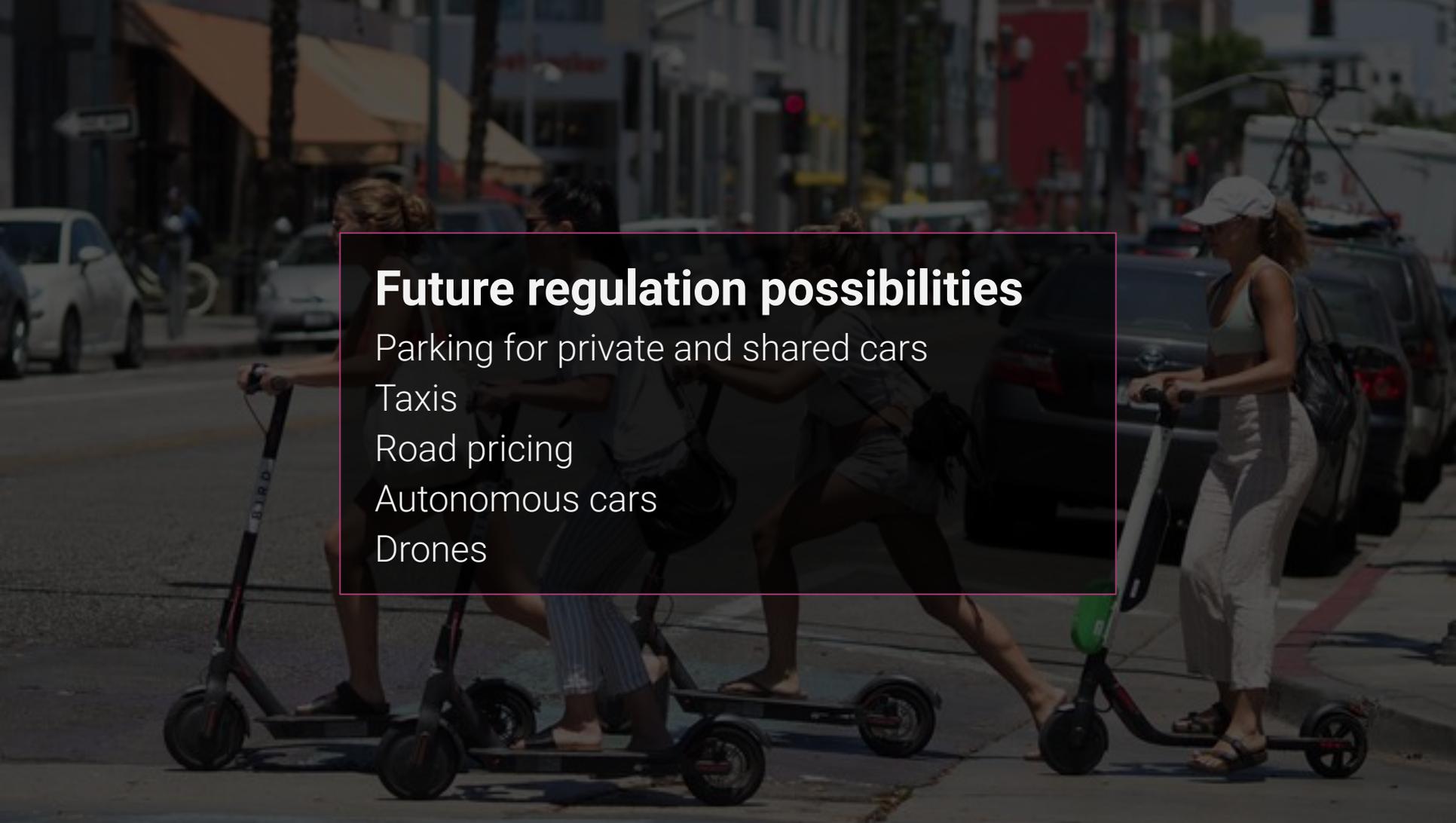


EUR 50 **after 11:00** for diesel vans  
Electric moped admitted at **max 6 km/t**  
**Subsidy: EUR 2/parcel** with cargo bike

City administrators set **targets**,  
pricing changes **dynamically** to  
reach **desired impact**

Cities can employ  
**digital regulation** to **accelerate**  
the shift to **fossil free** delivery,  
at little or **no cost**, with  
**no physical** infrastructure.

+ **safer** streets!

A group of people are riding electric scooters on a city street. The scooters are dark-colored with 'BIRD' branding on the handlebars. The riders are wearing casual summer clothing. In the background, there are parked cars, a white van, and buildings with awnings. A traffic light is visible in the distance.

## **Future regulation possibilities**

Parking for private and shared cars

Taxis

Road pricing

Autonomous cars

Drones

# Digital regulations for better cities

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