

POLIS

CITIES AND REGIONS FOR TRANSPORT INNOVATION

ANNUAL
CONFERENCE

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#POLIS2022

Crowdsourcing parking reports

- for tidier, safer streets

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@NivelRegulator



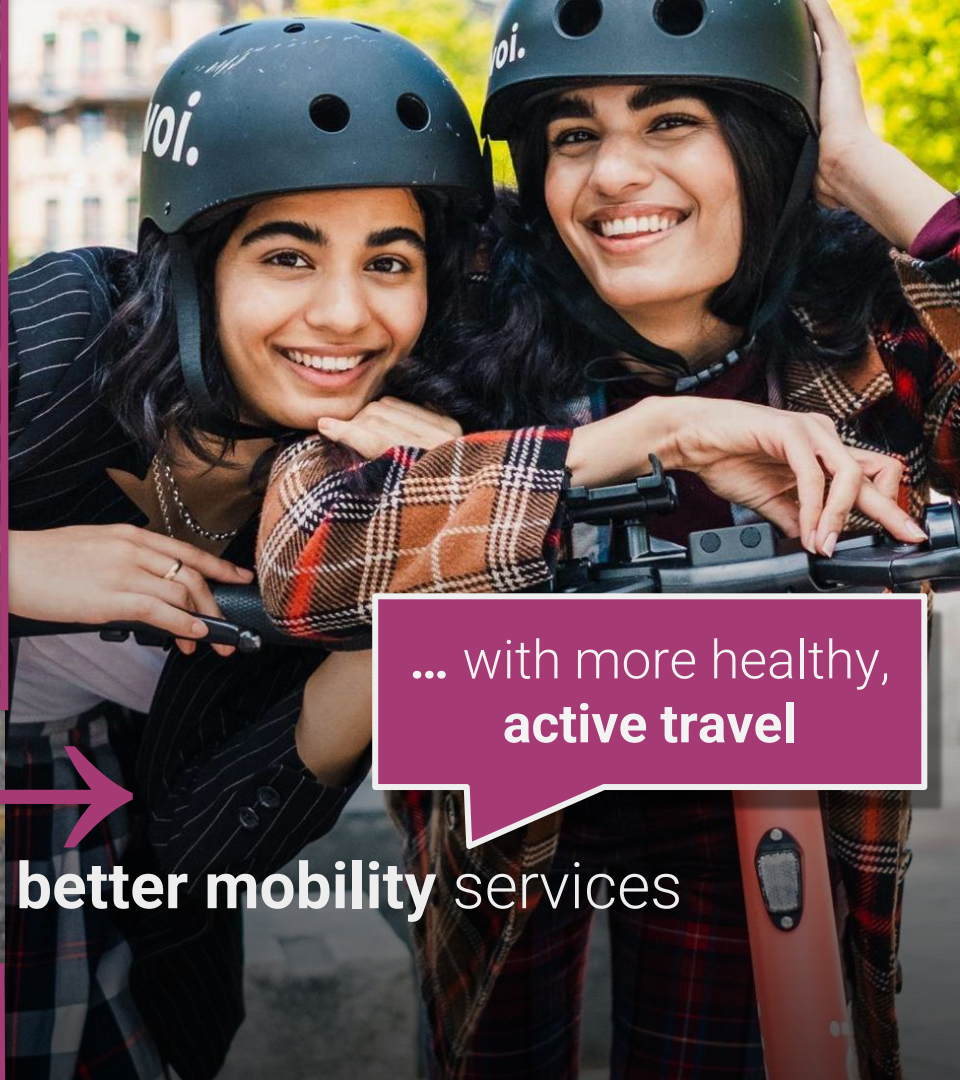
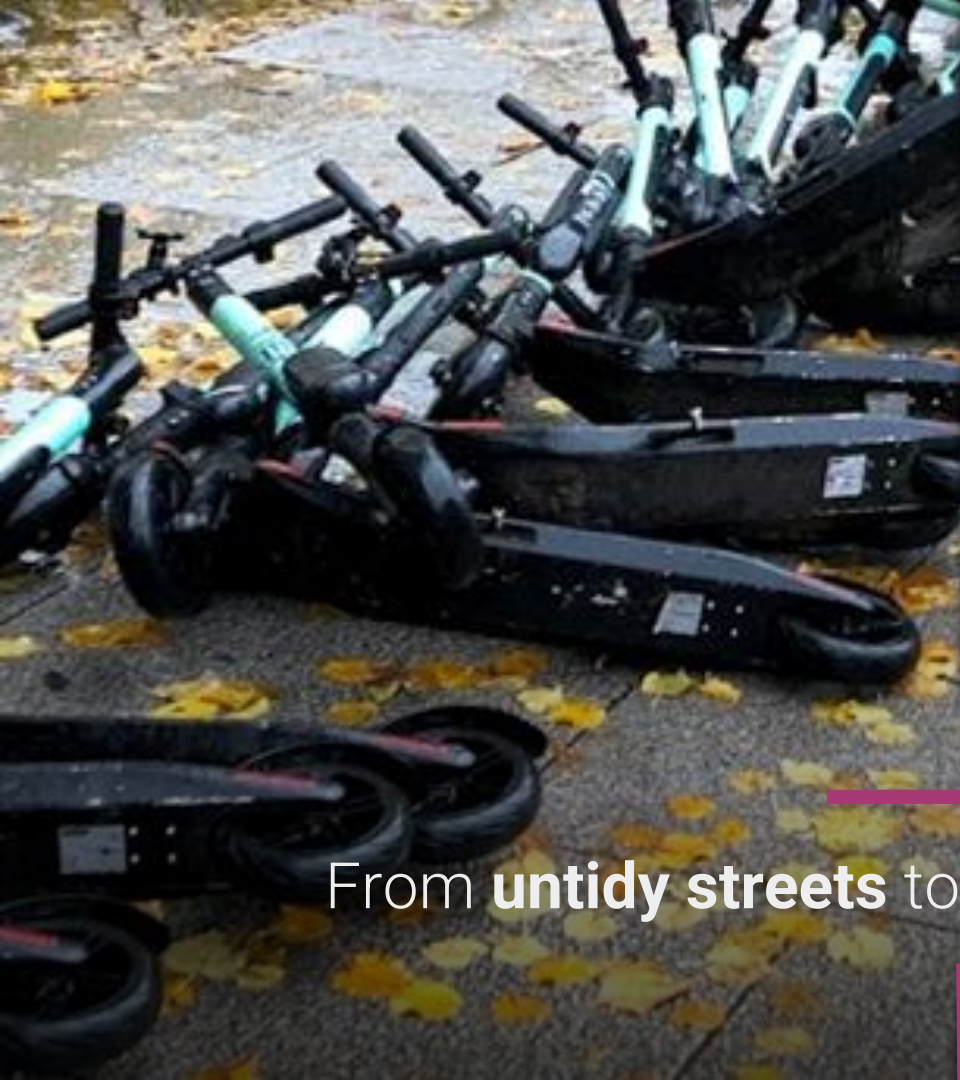
Nivel help cities **regulate micromobility** and **control** the public ground.

Digital, **dynamic regulation** makes cities **tidier, safer** - with better **mobility**

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Co-founder / CEO

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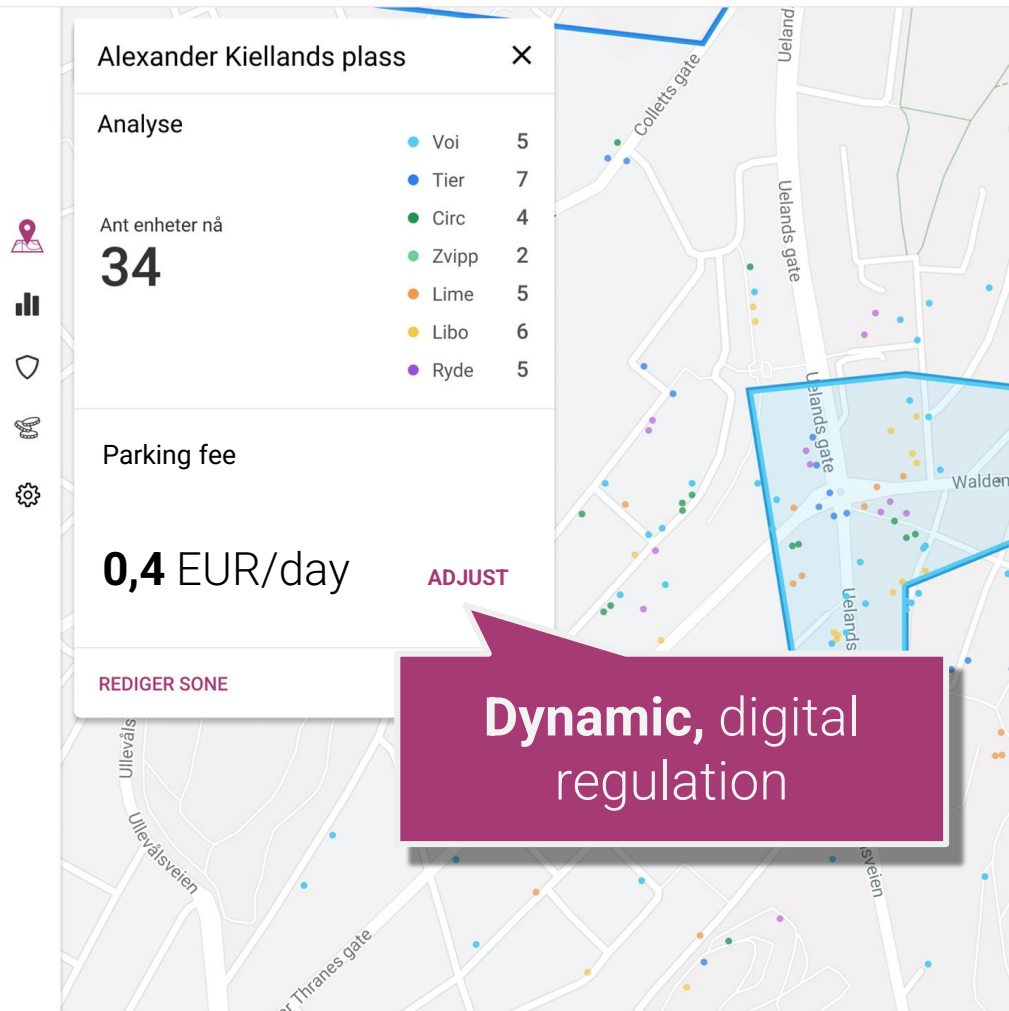
... with more healthy,
active travel

From **untidy streets** to **better mobility** services

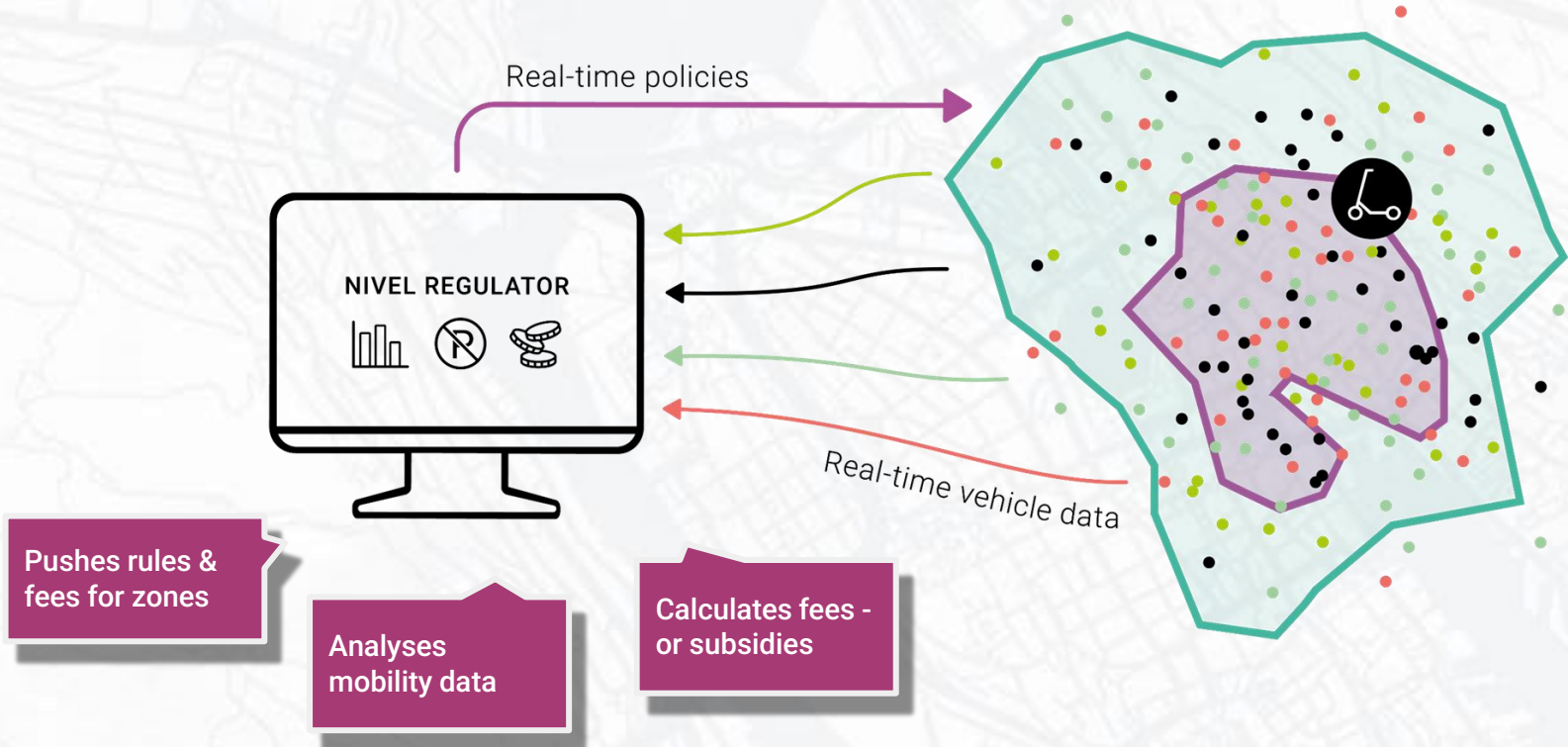


Nivel Regulator

Zone-based **optimization** of sharing **mobility** and utilisation of **public ground**, employing **standardised data streams**



Better cities enabled by 2-way data exchange



System proven to work in Bergen, Norway with **6000+ vehicles** / 285 k inhabitants - and **expanded to new cities.**



Integrated with

ryde

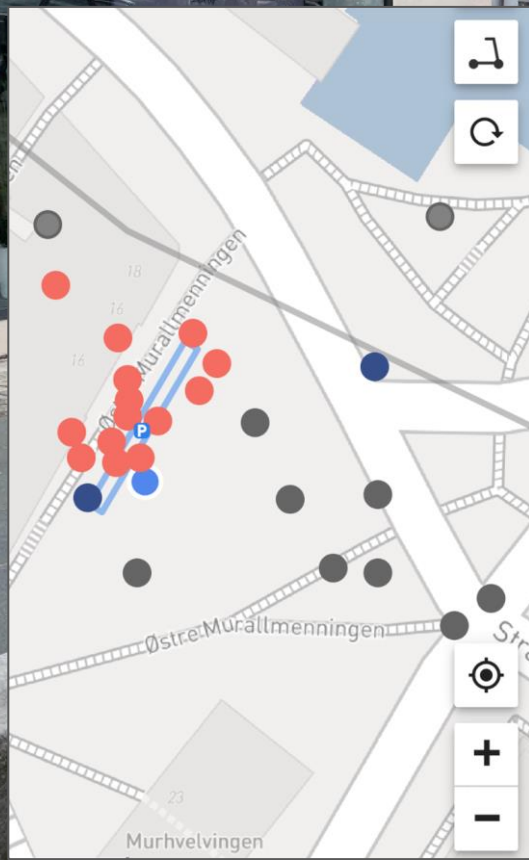
voi.



Bolt

TIER

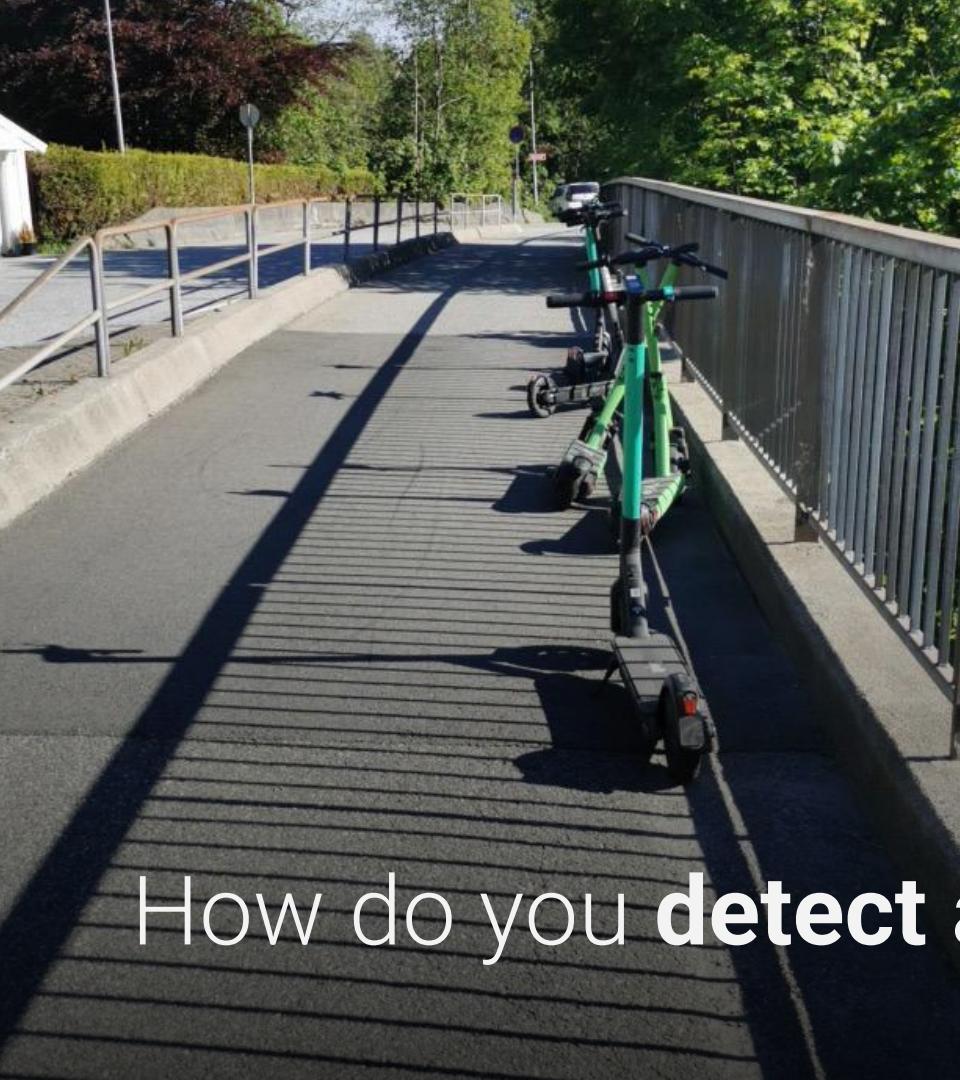
+ more operators



**GPS data alone
insufficient to monitor
parking violations**

Privacy | **Complexity** | Scalability





How do you **detect** a **parking violation**?

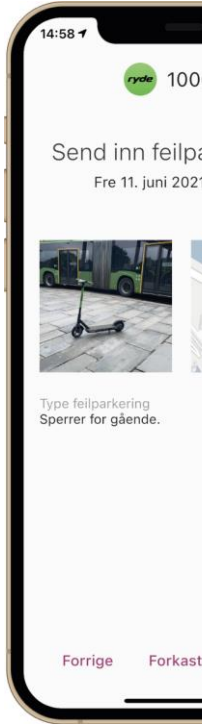
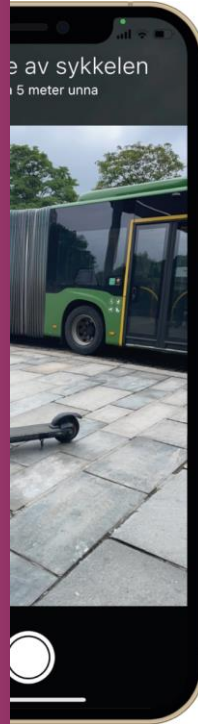


Crowdreporting

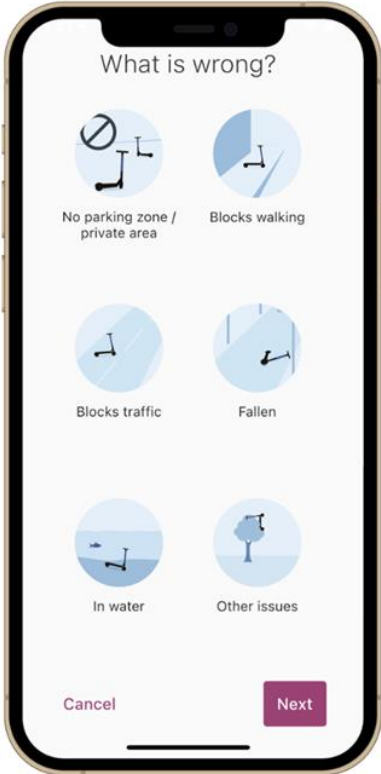
Poor parking app

Reporting vs removing
Fit into operators **workflow**
Enhance **communication**

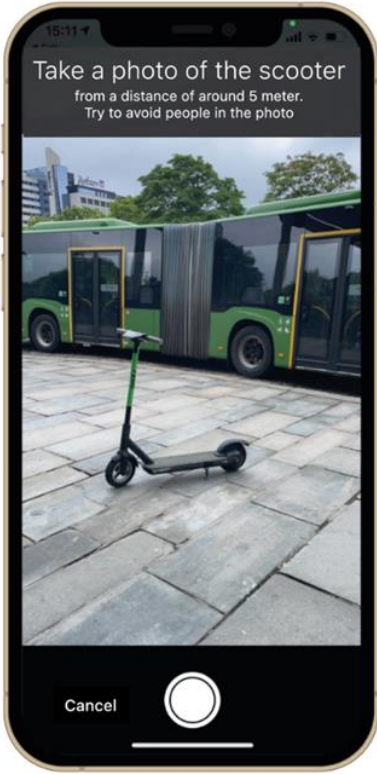
App for reporting poor parkings, used by both parking guards and the public



Category



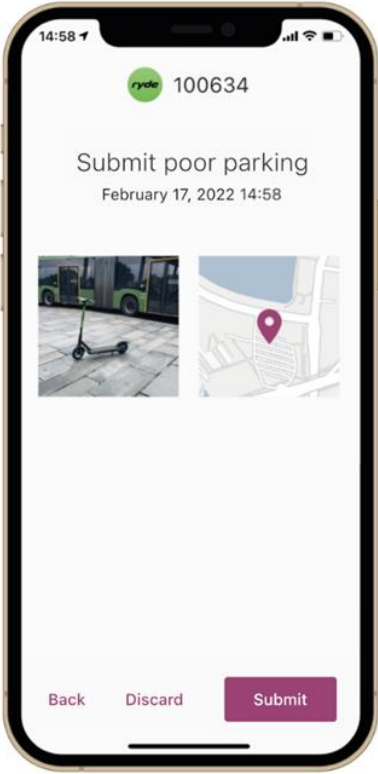
Photo



ID



Location



Task manager > the tool for follow-up on poor parkings

One task list for each operator.

The screenshot displays the 'Task manager' interface for 'Poor parkings Bergen'. It features a map of the city, a detailed view of a specific task (AE139042), and a list of other tasks.

Task Detail: AE139042

- Registered by public user, Yesterday at 16:55
- Blocks walkway. Has overturned.
- Started by Tier, Today at 09:31 (Undo)

Task List:

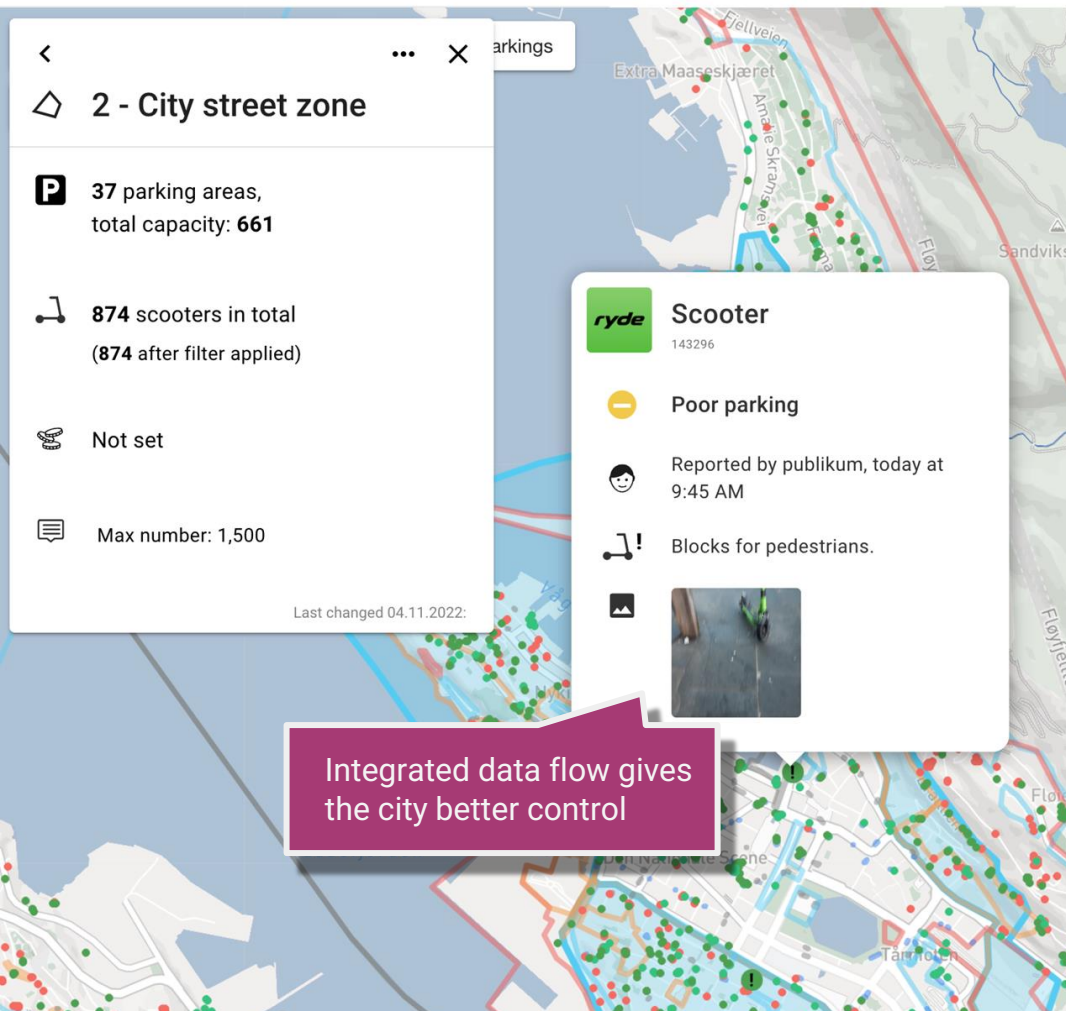
ID	Status	Time
AE1479..	Active	Today at 10:14
AE1377..	Rejected	Yesterday at 18:32
AE1390..	Started	Yesterday at 16:55
AE1350..	Fixed	Yesterday at 16:54
AE1807..	Started	Yesterday at 16:11

At the bottom of the task detail, there are three buttons: **FIXED** (green), **REJECT** (yellow), and **WILL DO** (purple).

25 000 reports in a year

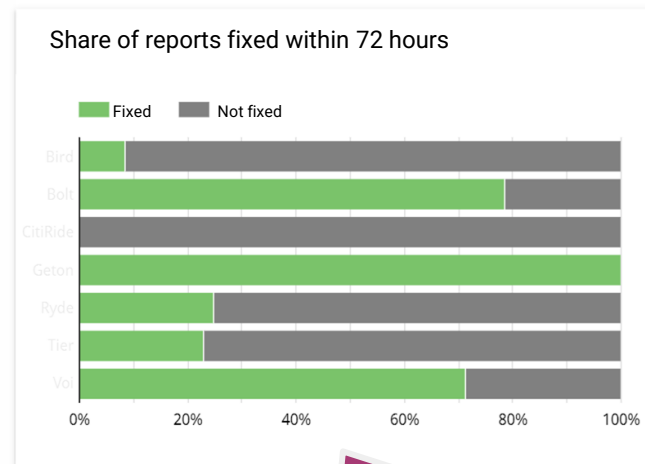
The users?





Integrated data flow gives the city better control

Documenting response time



Including MDS fix

Optimum workflow

1. **Poor parking** on the street.
2. Citizen **reports** vehicle.
3. Operator takes **action**. Solved.

Otherwise:

1. Fee for wrongly parked vehicles
- or - a short-tow fee.

Bergens Tidende



With this app, Bergen municipality will get its electric scooters in order

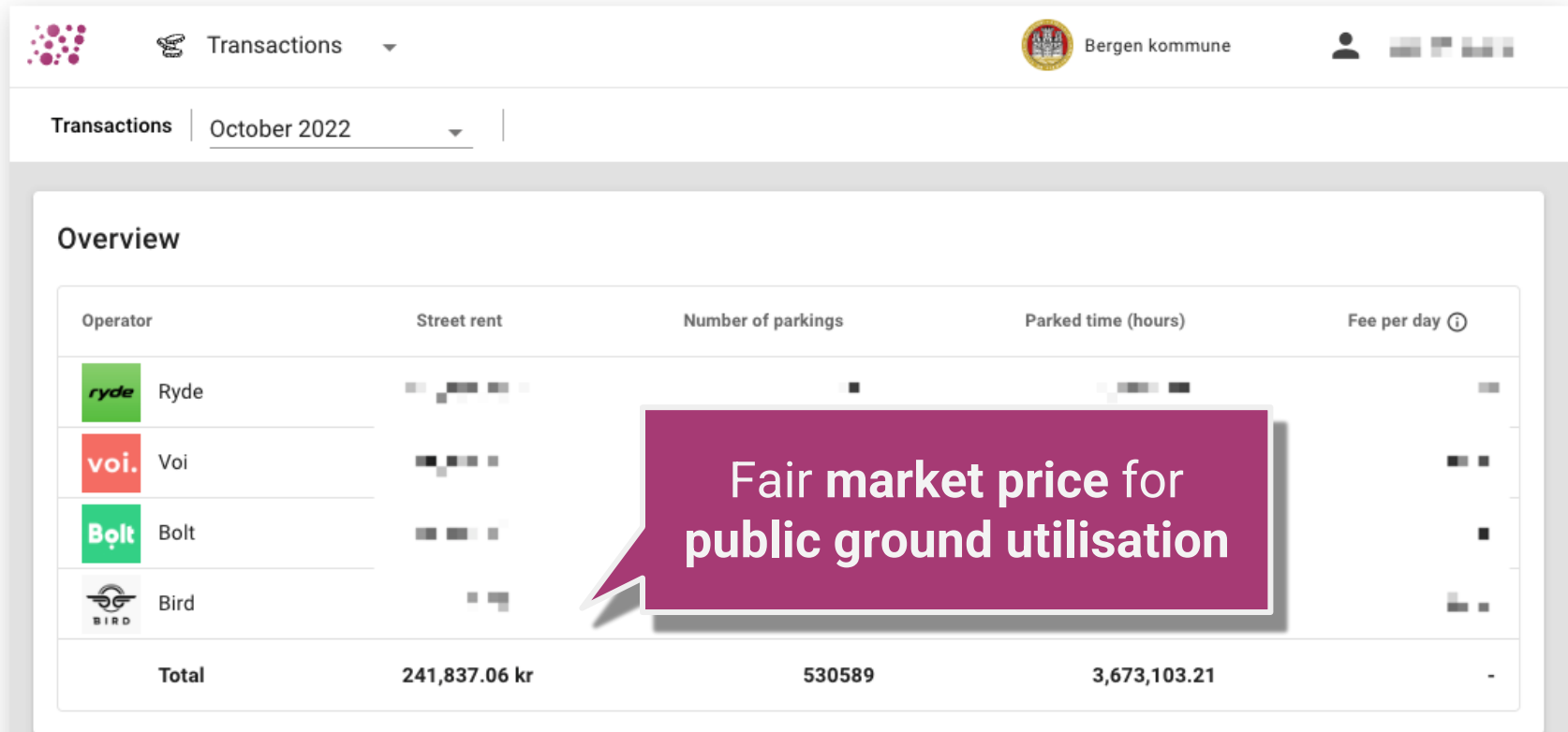
Bergen is the first city to use such a solution.



Since the municipality started testing the app Feilparkering in March, they have received over 800 reports from people from Bergen.



Parking fees - and fines - invoiced together



Why poor parking app?

- More efficient **street level operation**, operators promote app
- **Joint street patrols**
- Harvest **richer data**, more **sophisticated** regulation possible



Common objective: Human-centric, liveable cities

- **Neutral** app: Reporters likely not to be scooter users
- Data can document **response time** to municipalities
- **Tidier, safer** streets

**Data for impact -
beyond the insights**

Better cities with digital regulations

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