

ITSBE26 CONGRESS

BETTER MOBILITY THROUGH INNOVATION

TOWARDS MOBILITY THAT WORKS.



The future of information-driven enforcement

GEOSPARC

Tom De Kegel – Business Development

GEOSPARC

Q Zone / Active zone selection

P Parking Bays 76 1204

Status

☒	☐ free	580
☒	☐ occupied	589
☒	☐ alert	8
☐	☐ disabled	28
☐	☐ intake	0
☐	☐ unknown	7

Type

☒	☐ shopgo30	181
☒	☐ laadzone	15
☒	☐ bewoners	392
☒	☐ bezoekers	223
☒	☐ personeel	47
☒	☐ bus	23

Sensor

☒	☐ with	1202
☐	☐ without	2



High Quality Data Monitoring Live



KPIs			Settings	
Metric	Target	Current	Zone	All zones
Latency threshold	10 s	5 s	Peio	Last 3 months
Presence	93 %	97 %	Reporting	Daily
Transmission rate	98 %	96 %	Time windows	9 - 17



WATERTRACK



SPOTBOOKING



PARKTRACK



AI changes the value chain of data & platforms

From central aggregation and portals to direct, intelligent access to decentralised data sources

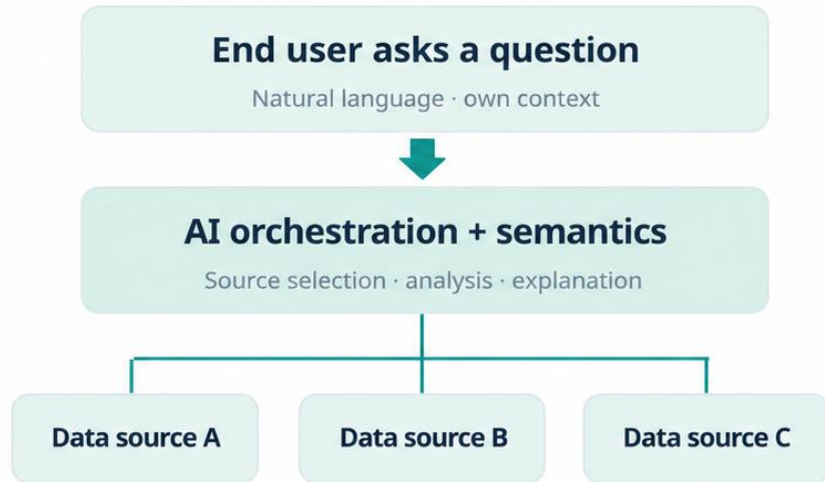
CURRENT MODEL

Bring data to the user



FUTURE MODEL

Bring intelligence to the data



KEY SHIFT | From centralising data to use it → to leaving the data at the source and accessing it intelligently

The future of information-driven enforcement

From reactive enforcement to preventive compliance

TODAY

Reactive and detection-oriented



1 Combine data sources

Sensors, ANPR, reports, permits, parking regulations



2 Risk analysis

Identify hotspots, patterns and priorities for enforcement



3 Enforcement action

Control, verification, and sanctions



FOCUS

Detect more violations



ROLE OF DATA

Post-hoc analysis



END USERS

Enforcement officers



RESULT

More efficient checks and higher fine collection



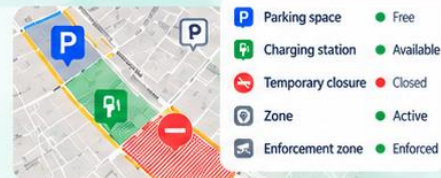
TOMORROW

Preventive, real-time and automated



1 Digital rules & real-time context

What is allowed, when and under which conditions?



2 AI & machine-readable enforcement

Detect, predict, advise and automatically trigger action



3 Compliance by design

Correct behaviour through clear rules, automated enforcement and feedback



FOCUS

Make fewer violations possible



ROLE OF DATA

Real-time, machine-readable information



END USERS

Drivers, AI agents, citizens, enforcement officers



RESULT

Preventive compliance, fewer conflicts, more efficient management

Data driven
parking & charging

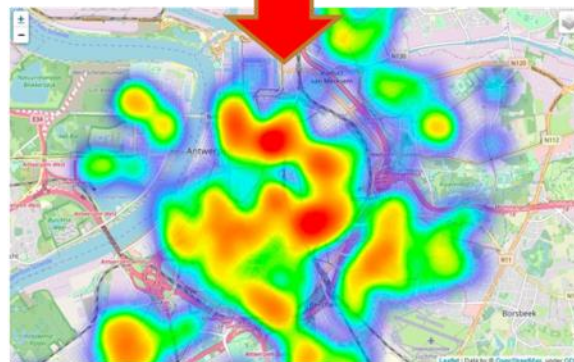
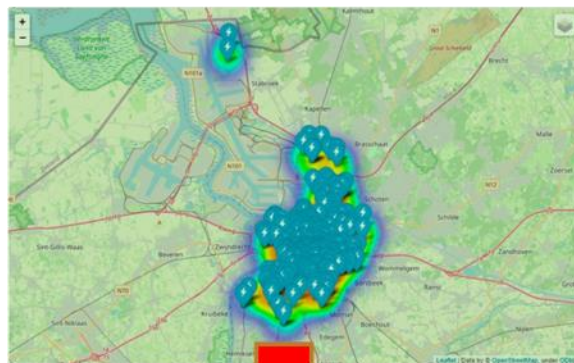


TotalEnergies

European partner
Smart parking & charging



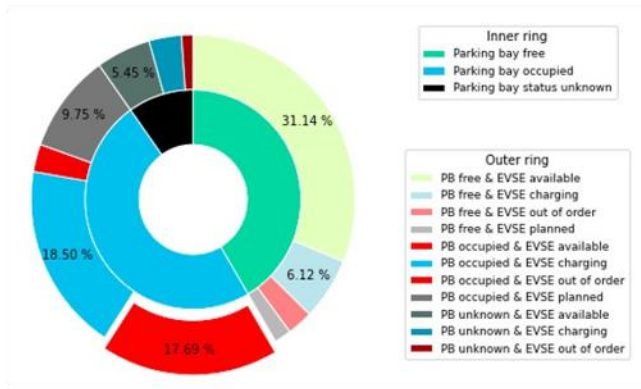
Scan me
& click to navigate



Abuse per zone

The following charts give an overview of the parking abuse per zone. On the left the total of hours of parking and not charging is shown, in the middle this is translated in the percentage of the capacity, taking the number of parking bays into account. On the right side, we show the absolute number of started alerts.

This is an interactive graph. Hover the graph to highlight your zone of interest.



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PARKTRACK



From qualitative data sources to geospatial insights

Charging infra in car-free zone: when we combine data

DATA SOURCES

01

Charging infra

Locations and connectors

02

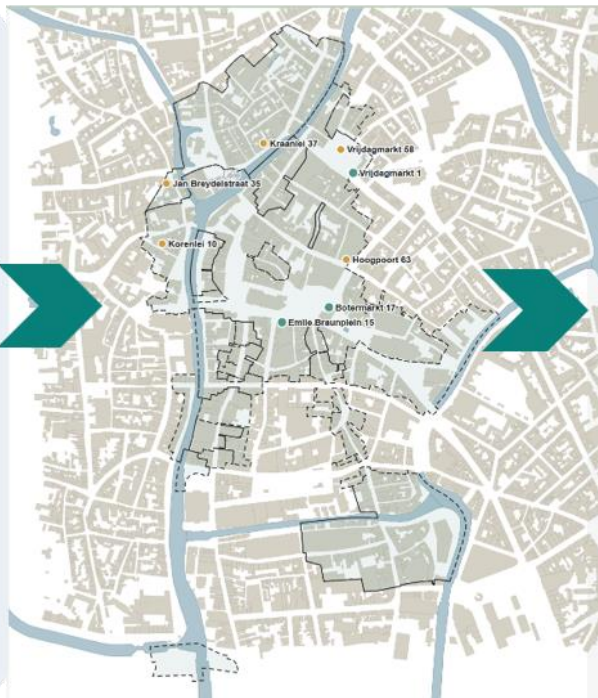
Geographical zones

Car-free zones and boundaries

03

Rules & context

Accessibility and concessions



NEW INSIGHTS

8 charging locations and 71 connectors
in the car-free zone

Of which 3 public and 5 semi-public

No car-free but a low-traffic zone

**Public infrastructure in a
selective access zone**

**Publicly accessible but
privately financed**

THE POWER OF GADER.IO

Data-overlays reveal the operational reality behind a policy decision

From qualitative data sources to geospatial insights

An occupied charging bay is not necessarily a productive charging bay.

DATA SOURCES

01

Parking sensors

Parking occupation, duration, arrivals, events, temporary intakes

02

Charging behaviour

Sessions, connector status, events, temporary intakes

03

Spatial context

Home addresses, seasons, parking policy, public works/permits

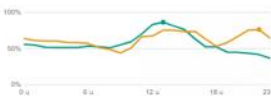


LIMITED SEASONAL VARIATION IN SUMMER BY THE SEA:

+2,6% overall parking occupancy
+10,3% parking sessions
+5,8% shop&go infringements

BUT

+29,3% charging sessions
+29,4% ice-ing in hours



Summer peak demand
Winter peak demand

ENFORCEMENT DELIVERS 900 > 300 hrs/yr

ice-ing, charging, hogging

PUBLIC WORKS = lower use, more damage

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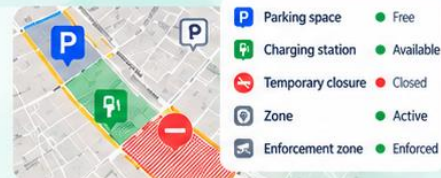
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