



Mobiliteit in beweging



IPark4U & FPS

Polis Conference 2009

December 10th 2009





Flanders Institute for Mobility

▶ Competence centre

- Independent organisation, under the umbrella of Flanders Ministry for Economy
- Founded in 2007
- Implementation of sustainable solutions for traffic and mobility issues
- Financial support, expertise and project management
- Projects relating to infrastructure, freight and passenger transport

▶ Network of 160 members

- Companies
- Knowledge centres
- Government



IPark4U

Parking today ...

- ▶ A steering parking policy is in practice not so obvious with instruments such as ...
 - Parking tariffs
 - Parking road signs / park routing
 - Parking time limits
 - Communication
 - Focus group parking & parking permits
 - Patrole services and parking payment
 -
- ▶ Policy differs from city to city
- ▶ Lack of tailored, real-time,... parking information
- ▶ Increasing demand for parking along with additional burden for cities

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Parking tomorrow ... ?

- Mechanical solutions (piling cars, ...)
- Multiple use of space
- Chain mobility (linking P&R, PT, transferia, bicycles, ...)
- Further influencing through pricing, duration, availability
- Possessing a car versus sharing / individual PT
- Market economy of demand and availability
- Dynamic parking management (availability, price)
- ...

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Right car in the right place?

- In-car real-time tailored parking information
 - Off-street
 - On-street (wireless sensor network)
- parking services (reservation, simple payment, ...)
- connected & platform independent (mobile, in-car, ...) systems
- Real-time routing information
 - parking routes
 - multimodal
- ...
- in-car parking service is technologically feasible today : **IPark4U**

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What: showcase + test platform for...

- in-car real-time parking information
- in-car payment system
- guidance for optimal routing

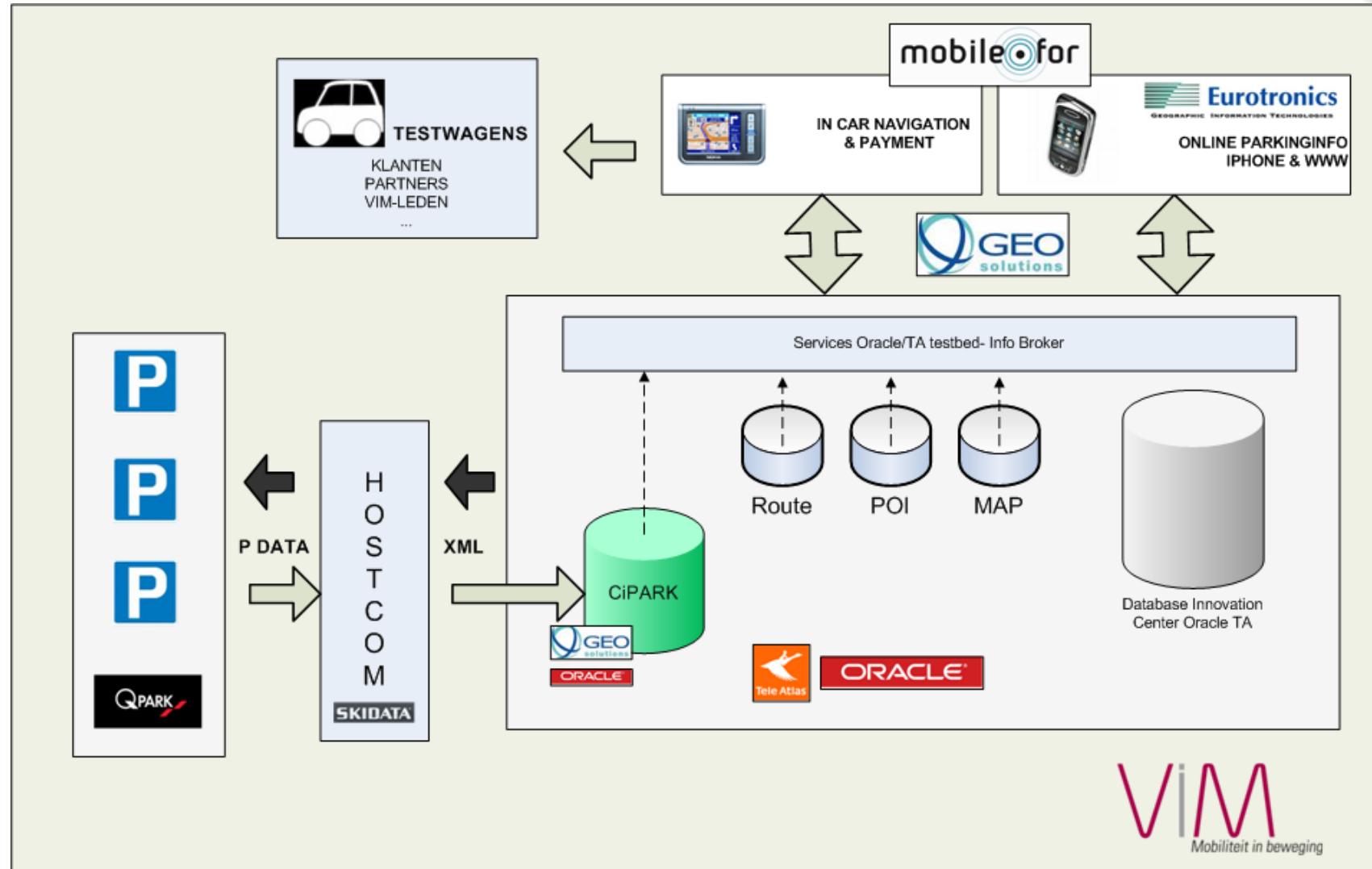
How: On Board Unit with supporting software

Where: 5 Q-Park parkings in Antwerp, Brussels and Leuven+
some 10 cities for SMS-parking

Who: 15 selected test drivers – business

When: March 2009 – March 2010

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Use cases

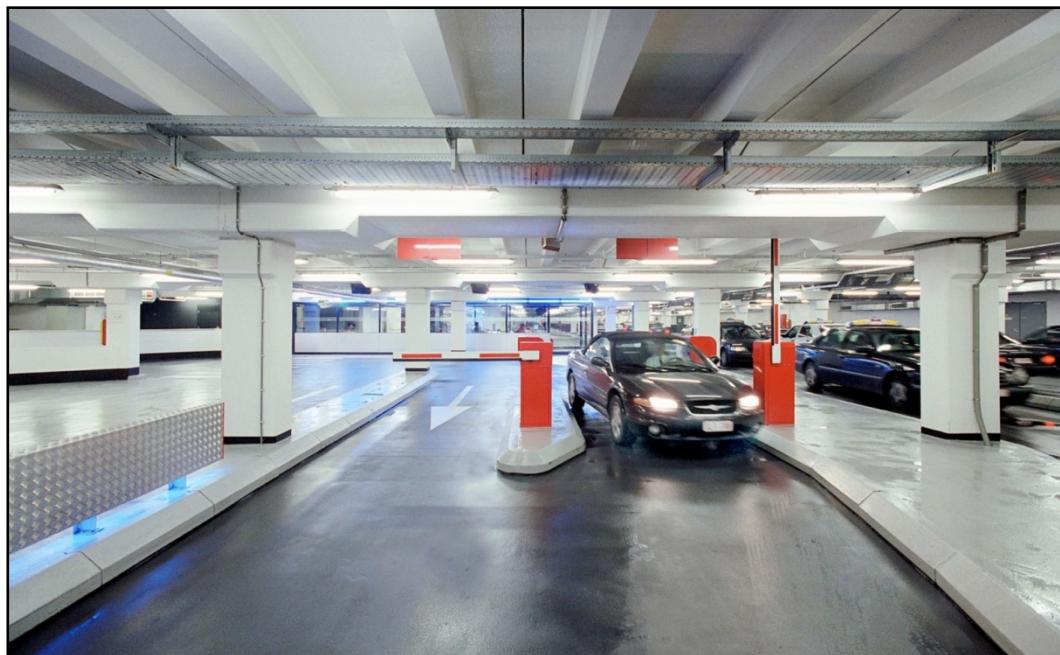
- ▶ Guidance to most nearby public parking
 - ▶ realtime parking information on free spaces – close to destination
 - ▶ rerouting to the selected parking



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Use cases

- ▶ Mobile payment through navigation system off-street
 - ▶ Enter ticket code into navigation system
 - ▶ Automatic payment on leaving car park



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Use cases

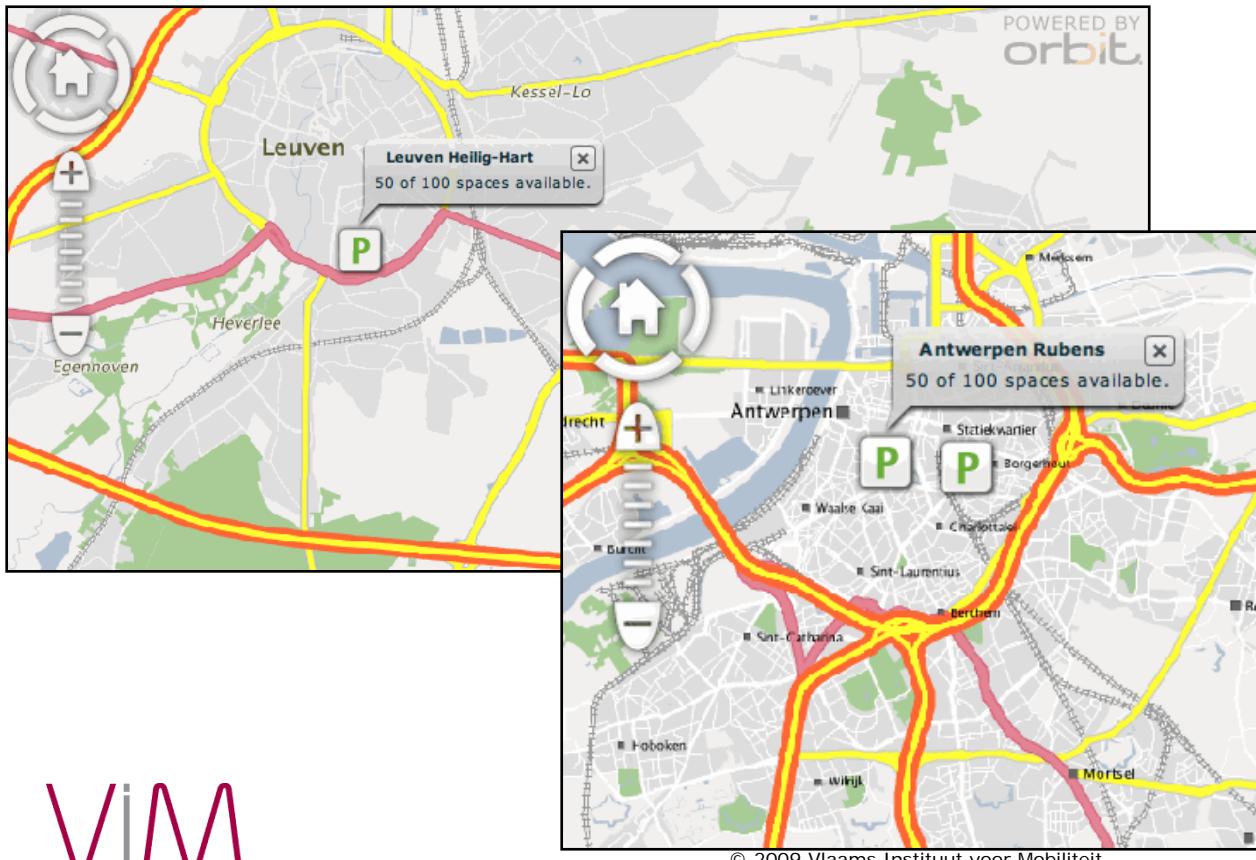
- Mobile payment through navigation system on-street
 - Just press "P"



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Use cases

- ▶ realtime parking information on internet and mobile internet
 - ▶ + mobile payment off-street parking



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Scenario

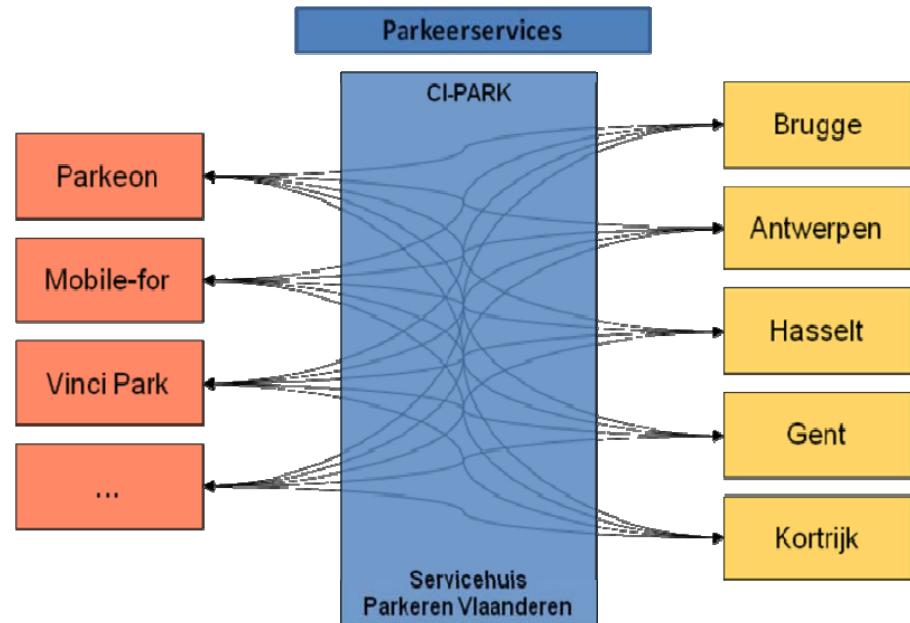
- › Implementation + test + debug: March – November 2009
- › Try-out: December 2009 – March 2010
- › Workshops :
 - › Technological and functional SWOT analysis
 - › Usability – feedback from users (journal, online groep, tracking data)
 - › Identifying spin-off projects
 - › Identify possible business cases
- › Communication : demonstration sessions

Flanders Parking Servicehouse

Part of a larger story ...



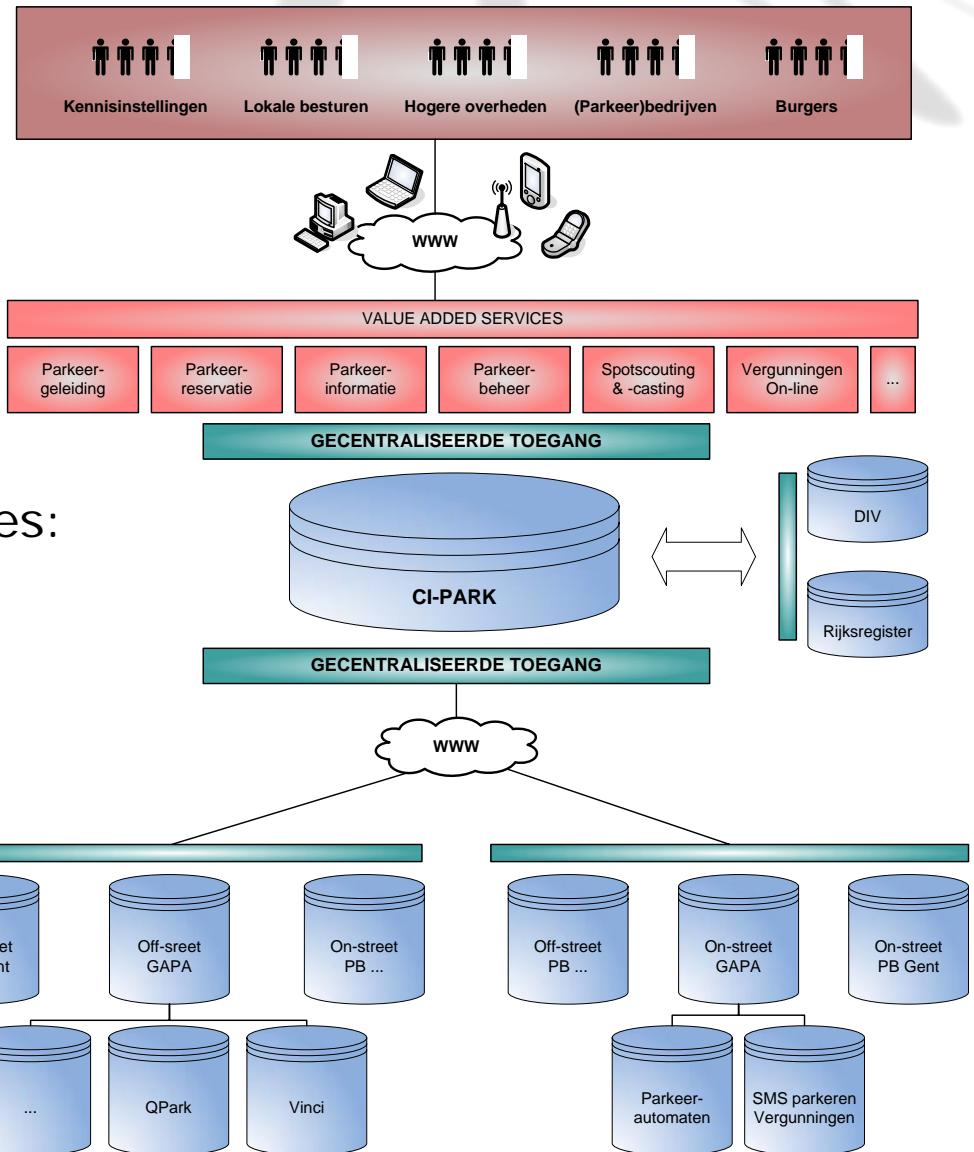
- ▶ Parking information for cities and municipalities
- ▶ Free participation
- ▶ Independent party
- ▶ Framework for:
 - ▶ Integrated parking policy
 - ▶ Controlling parkmanagement
 - ▶ Joint policy to providers
 - ▶ Standards and working agreements



CI-Park

Part of al larger story ...

- ▶ Centraal register for:
 - ▶ Available parking, ...
 - ▶ Parking licences
- ▶ Platform for developing services:
 - ▶ Parking guidance (IPark4U)
 - ▶ Managing licences
 - ▶ Parking management
 - ▶ ...



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More information

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