

/ Polis Annual Conference 2019



Intelligent Access for Livable and Sustainable European Cities

Jop Spoelstra – Innovation program coordinator



We connect physical and digital worlds. Innovative. Mission-critical.
✓ electronics
✓ embedded
✓ software
✓ security







Transition in Technology

Transition in Traffic Management Technology







1960: Single 'traffic light'

2006-2010: Network traffic management

Now: Connected vehicle and infrastructure



Transition in mobility

Traffic management \rightarrow City management



MobiMaestro Network traffic management



Copenhagen cyclists guidance



'Dynamic public space'



Urban Intelligent Access









Digital Public Space

Digital Public Space

3 Restrict & Enforce2 Monitor & Manage

1 Facilitate & Inform

Digital public space

Physical public space



Required competences:

 \rightarrow Enforce

 \rightarrow Inform

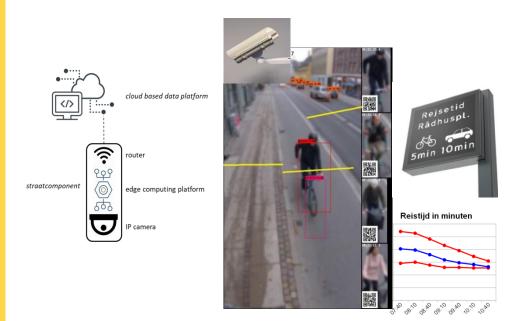
 \rightarrow Intelligence

 \rightarrow Understand



Urban Intelligent Access Competences

Understand



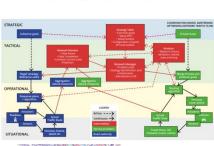
Recall4Bikes: Privacy-proof byciclists monitoring

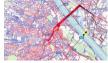


Connected Loadingbay Amsterdam



Intelligence



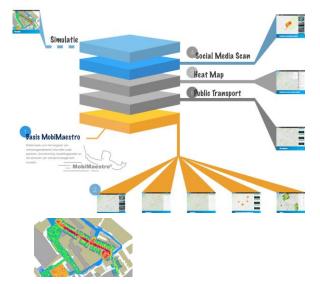


SO

Data fusion, analysis and prediction



Geofencing and 'Digitalised Policy'



Data-combinations and geographical mapping



Inform









Digital signs

Third party information through API

Third party use of information through API



Urban Intelligent Access Competences

Enforce







Event-based enforcement

Dynamic physical infrastructure

Automatic enforcement



Digital Public Space

Urban Intelligent Access schemes

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Physical public space



Required competences:

 \rightarrow Enforce

 \rightarrow Inform

 \rightarrow Intelligence

 \rightarrow Understand





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