



Best Experience in Urban Traffic Management

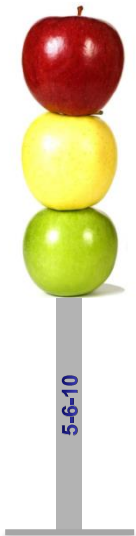
Professional workshop organised by the Prague Technical
Road Administration and Czech ITS&S

02.12.2020

Oberhausen City Experience:

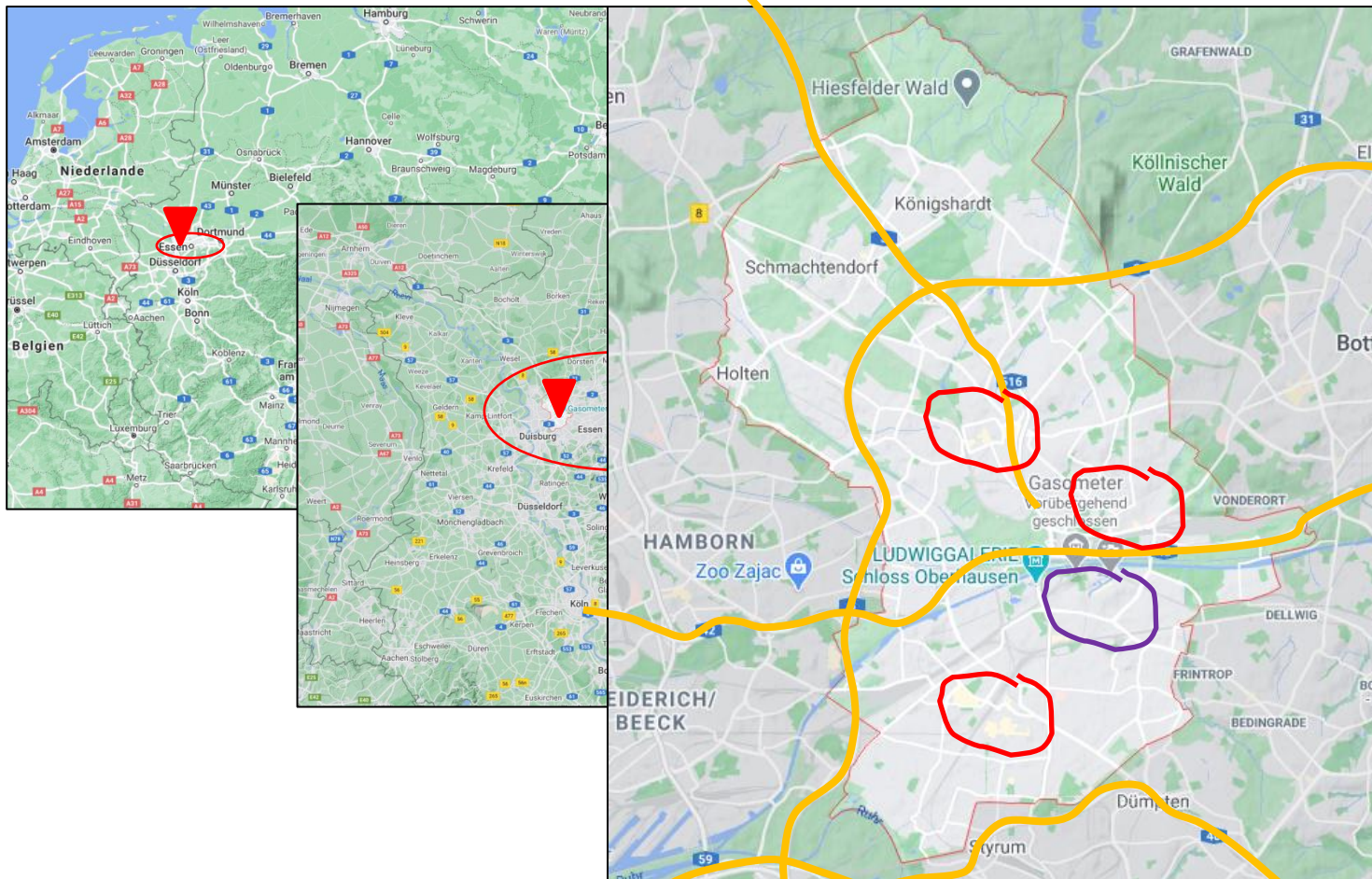
Mr Ingo Keiner

Department of Traffic Lights & Traffic Engineering





Where and what is Oberhausen ?





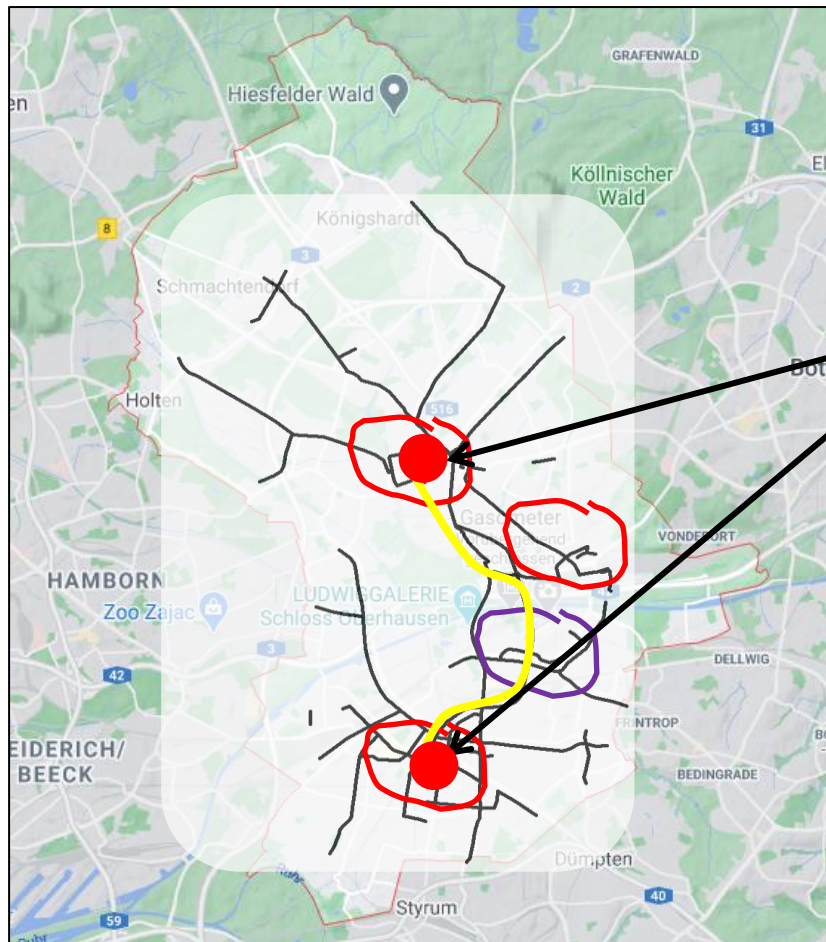
Organizations and structures

- mid 90s some operational tasks outsourced to subsidiary companies → financial benefits
- cooperational use of software and data
- today → returning to city council





History



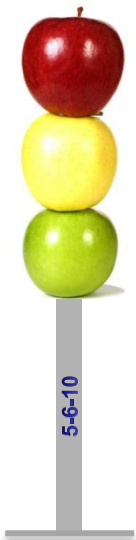
- public transport acceleration
- centralising
- server
- control net
- optic fibre

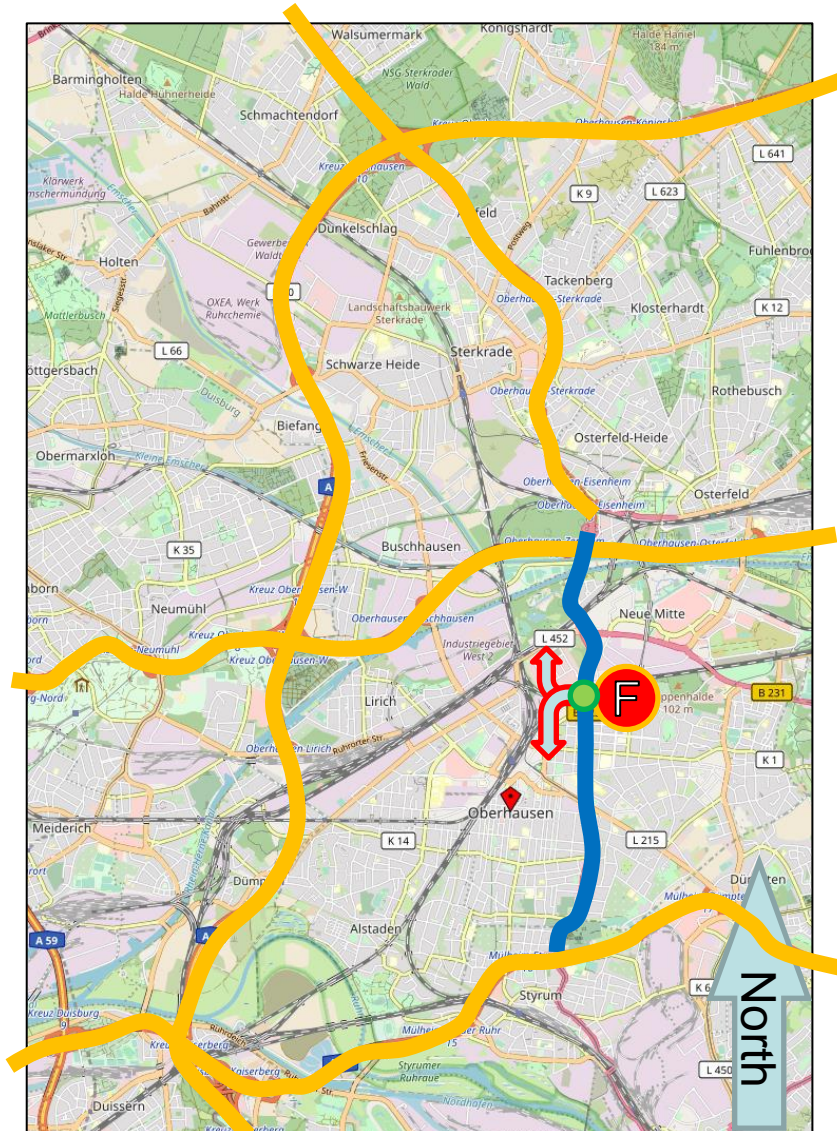




Which projects today ?

- V2X – Fire/Emergency-vehicle acceleration
- Dynamic routing – LED signs (CentrO)
- Traffic monitoring – LED signs (city-wide)
- Bicycle routing app – collecting data
- Bicycle acceleration – early demanding
- Digital public transport acceleration
- Using Streetsmart – (not public, streetview-like image database)





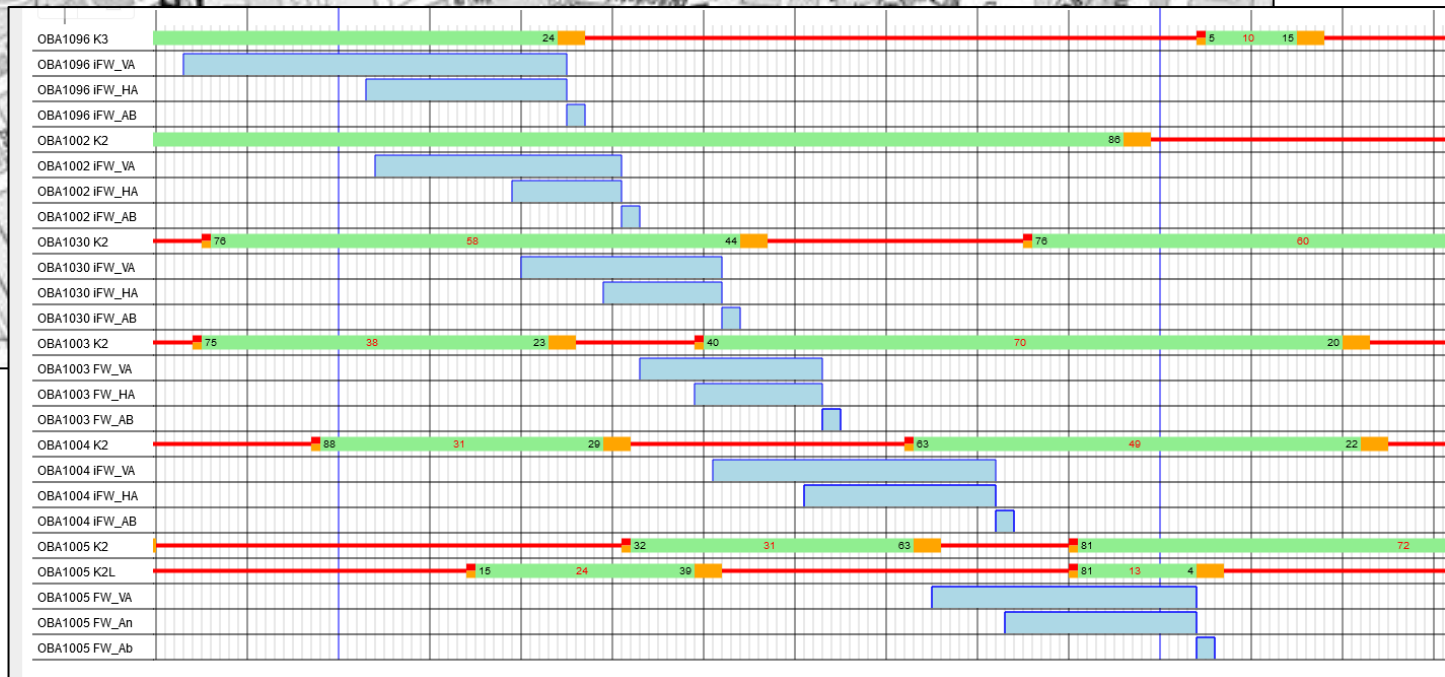
V2X

- major road
- connection b/w motorways
- emergency event





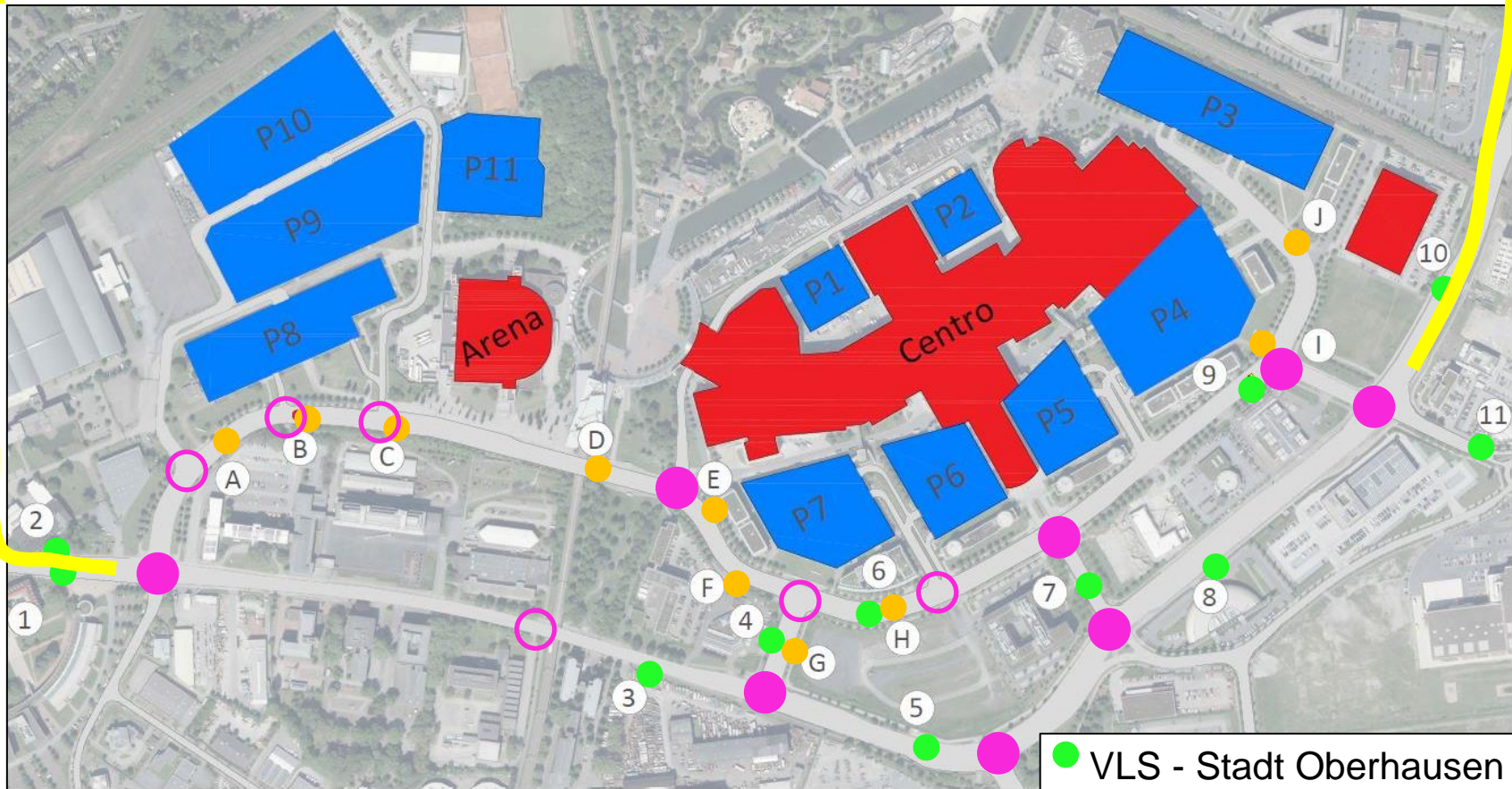
V2X



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Dynamic routing

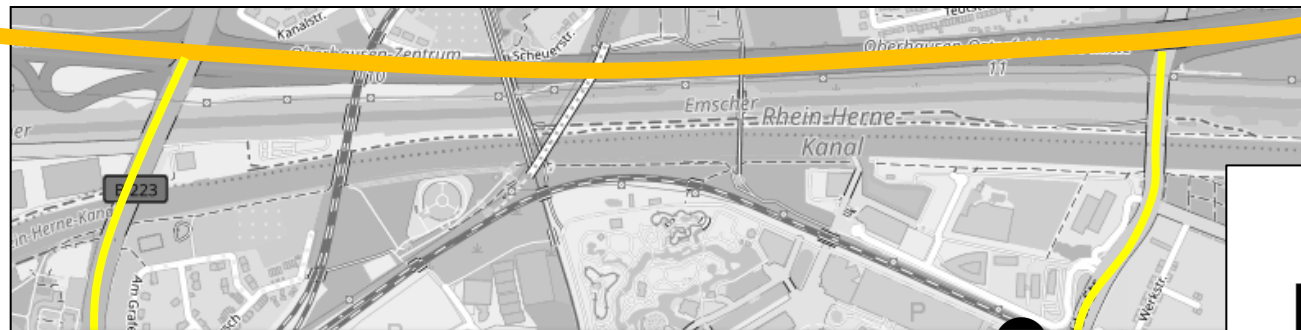


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- VLS - Stadt Oberhausen
- PLS - Centro
- Traffic Lights



Dynamic routing



Autobahn
OB-Osterfeld

Duisburg
Essen
OB-Zentrum

231

Achtung Stau
OB-Osterfeld

Autobahn
Duisburg
Essen
OB-Zentrum

231

Dortmund
Essen
OB-Osterfeld

42 516
Duisburg
OB-Zentrum

231

PLS

Parkhaus
1 + 2
besetzt

0

Einkaufen/ Oase
Promenade/ Kino
P3-5
P6-7

FREI
FREI

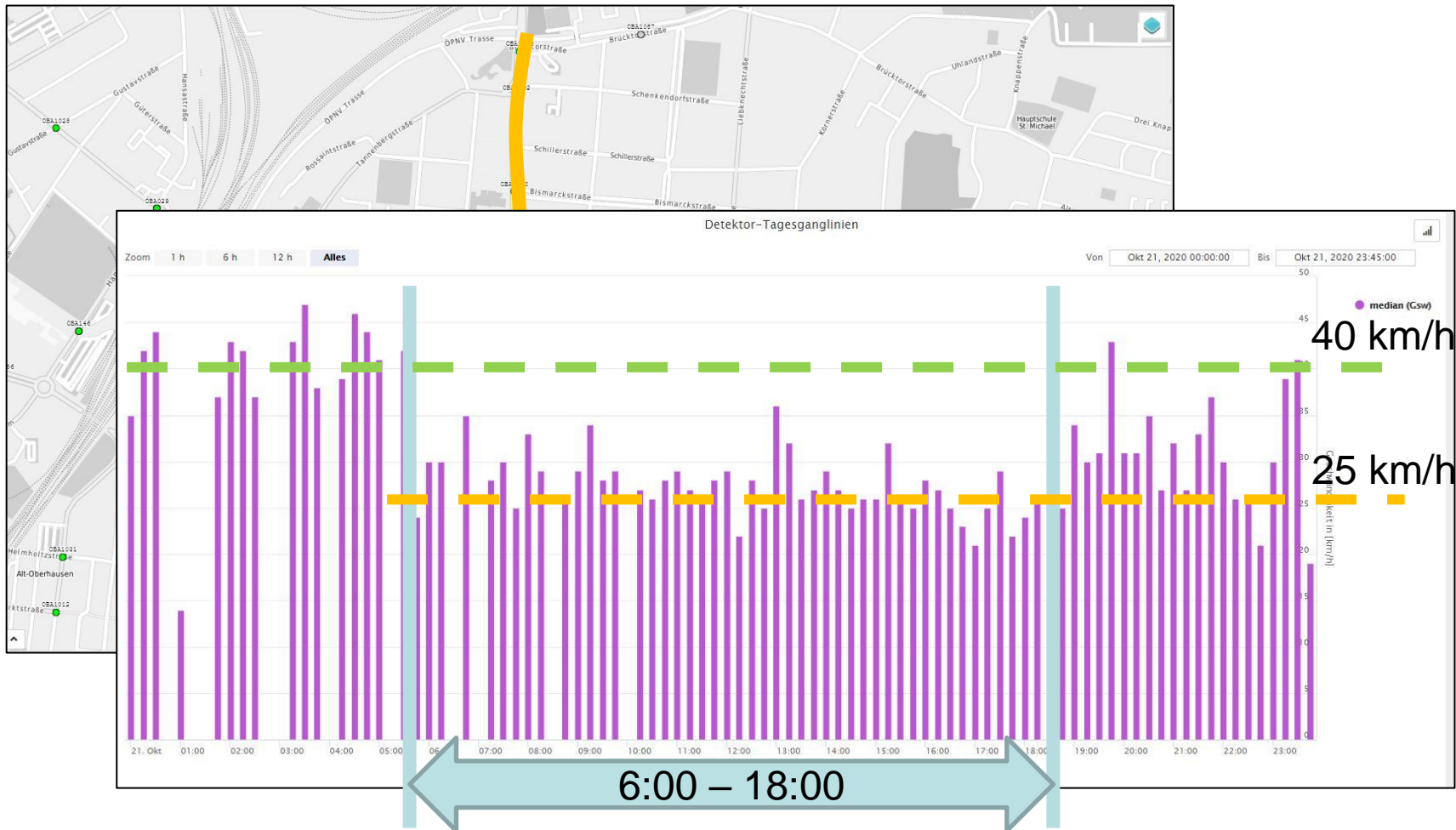
5002



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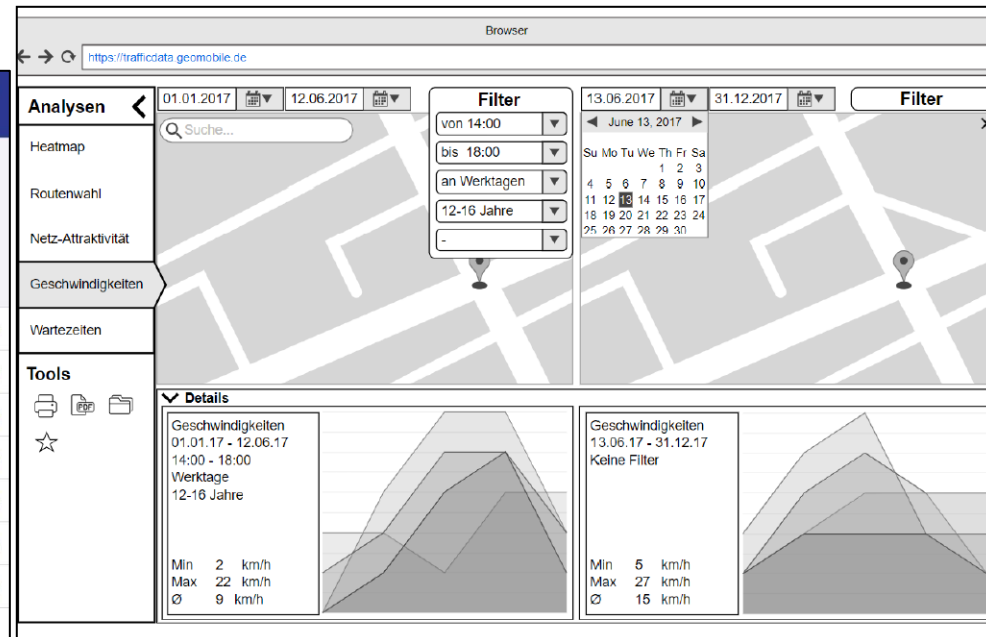
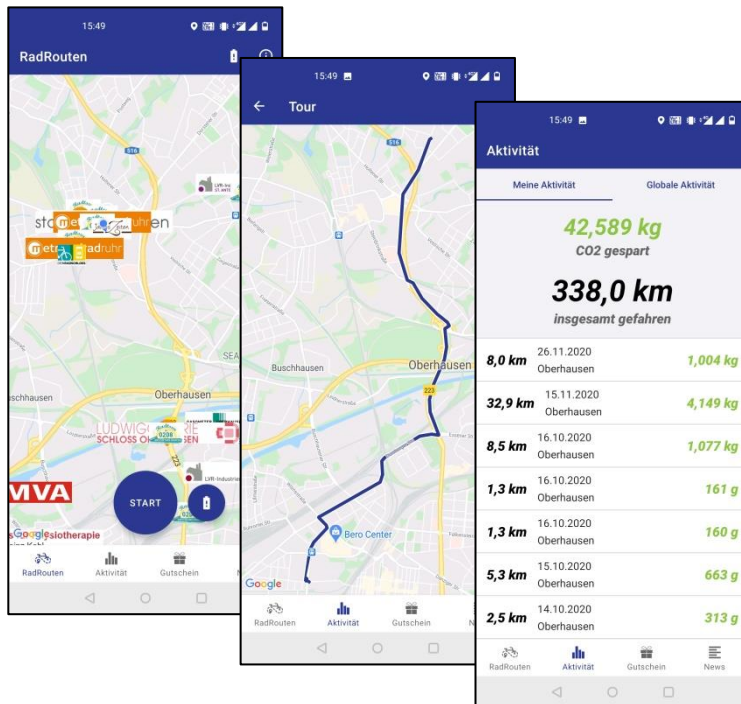
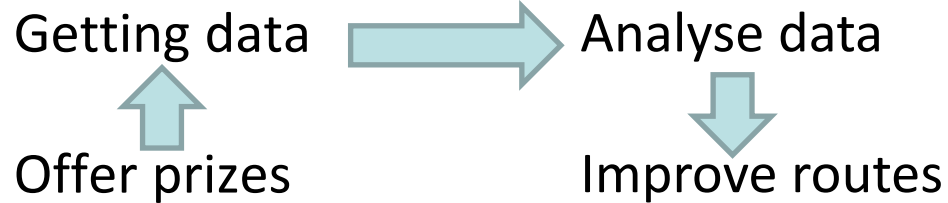


Traffic monitoring





Bicycle Routing App





(Overall) strategy

- new ideas/projects → public funding
- new settlements → new modelling
- successively replace copper → optic fibre
- successively renew traffic lights (25y)





Financials

- financial pre-planning 5 years
- updating throughout the year
- lot of debt
- tight budget → financial plans for budget adjustment → authorized by state
- using public fundings wherever we can





Thank You for Listening!

Contact us for questions or more detailed informations:

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