

**HUPMOBILE**

# MiniPilots in BSR Cities

ITS Experimental Policy Recommendation Roadmap for BSR Cities

Ralf-Martin Soe, ITL Digital lab

1.12.2021

# Realizing potential of ITS solutions

- The minipilots show how HUPMOBILE cities can solve mobility challenges with application of novel solutions
- One minipilot is around € 20 000
  - Develop a concept or prototype
  - Very limited trial (e.g. 1-3 weeks)
  - Test with real people and stakeholders
- COORDINATION: ITL DIGITAL
- CITIES: TALLINN, HAMBURG-ALTONA, TURKU, RIGA
- SUPPORT: ALL PARTNERS

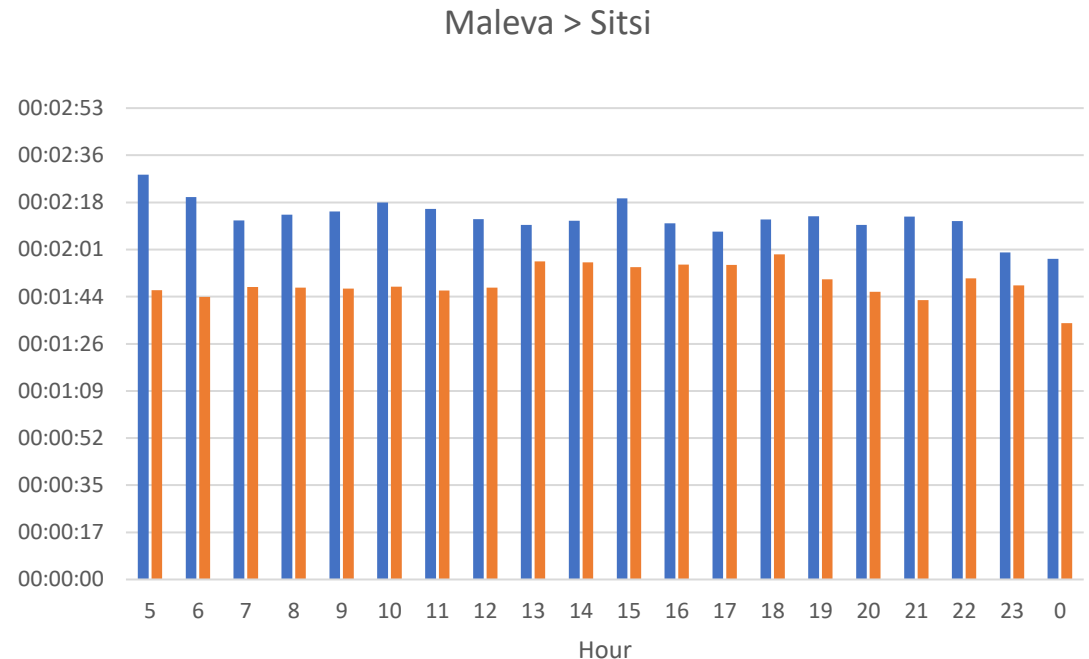
# Hamburg

- Goods deliveries with cargo bikes
  - Target: Decrease motorized traffic
  - Concept: Last-mile cargo bikes in micro-hub
  - In operation since 2020
  - Location: Main station in Hamburg Altona
  - Key enabler: indicating a suitable urban place
  - Key barrier: public space is rare in densely populated cities
  - Partners involved: Deutsche Bahn – Smart City



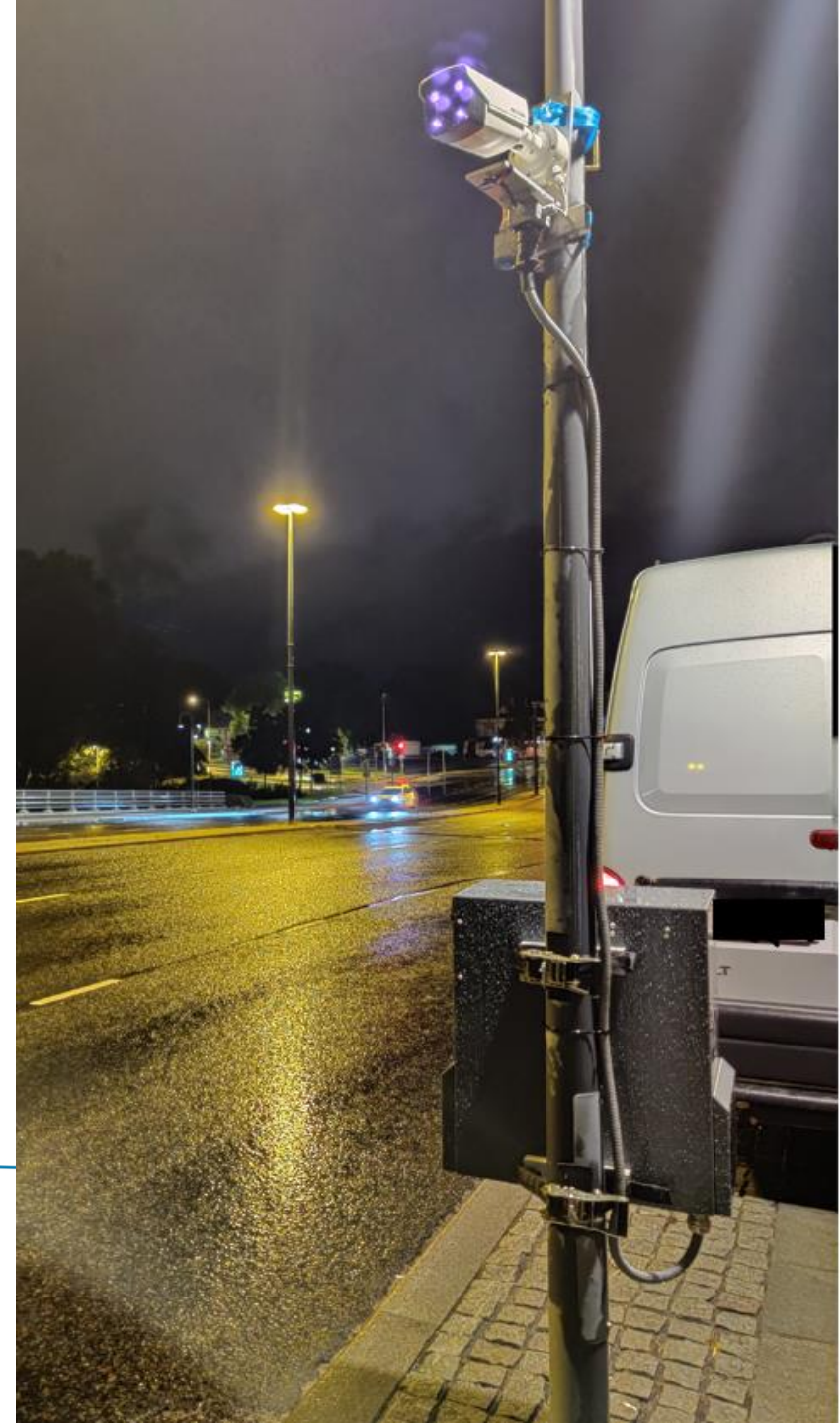
# Tallinn

- Adaptable traffic lights
  - Urban Challenge: Increasing congestion
  - Location: Kopli – Sitsi -Tööstuse crossing
  - Duration: one month in live traffic
  - Partners: Civitta and Stratum
  - Enablers: open innovation involving companies and universities
  - Key value: an opportunity to learn from actual experiment
  - Follower city: Tartu



# Turku

- Registration plate study on through traffic
  - Urban Challenge: Private car traffic in the city center and different aspects related to it
  - Concept/ prototype: Through traffic study via collecting and analyzing volumes, routes and vehicle types of the through traffic in the city center.
  - Duration: approx. 3 weeks
  - Partners: Nodeon
  - Enablers: new technology to be tested, demand for data. Reorganization of traffic arrangements.
  - Barriers: lack of resources (time and money)
  - Value generated: support decision-making, promote sustainable modes of traffic
  - Results: 50 % of vehicles registered in Turku; approx 20% total volume passing traffic; 90% passenger cars (petrol, diesel, hybrid)



# Riga (Design only)

- Smart Mobility Solution of the Freeport of Riga
  - Challenge: making transport system more integrated
  - Enablers: progressive City Council and Digital Development
  - Barriers: Covid19 pandemic, structural changes in the management of city and port, administrative issues.
  - Value generated: clean air and water via reduction of emissions
  - Stakeholders: city, port, students

## Contact

Ralf-Martin Soe, PhD  
Development Manager

ITL Digital Lab

+ 372 52 39 520

[ralf@itl.ee](mailto:ralf@itl.ee)

[www.hupmobile-project.eu](http://www.hupmobile-project.eu)



EUROPEAN UNION

EUROPEAN  
REGIONAL  
DEVELOPMENT  
FUND

**HUPMOBILE**