

TVV lippu- ja
maksujärjestelmä Oy



Traffic Data Platform

10.10.2019

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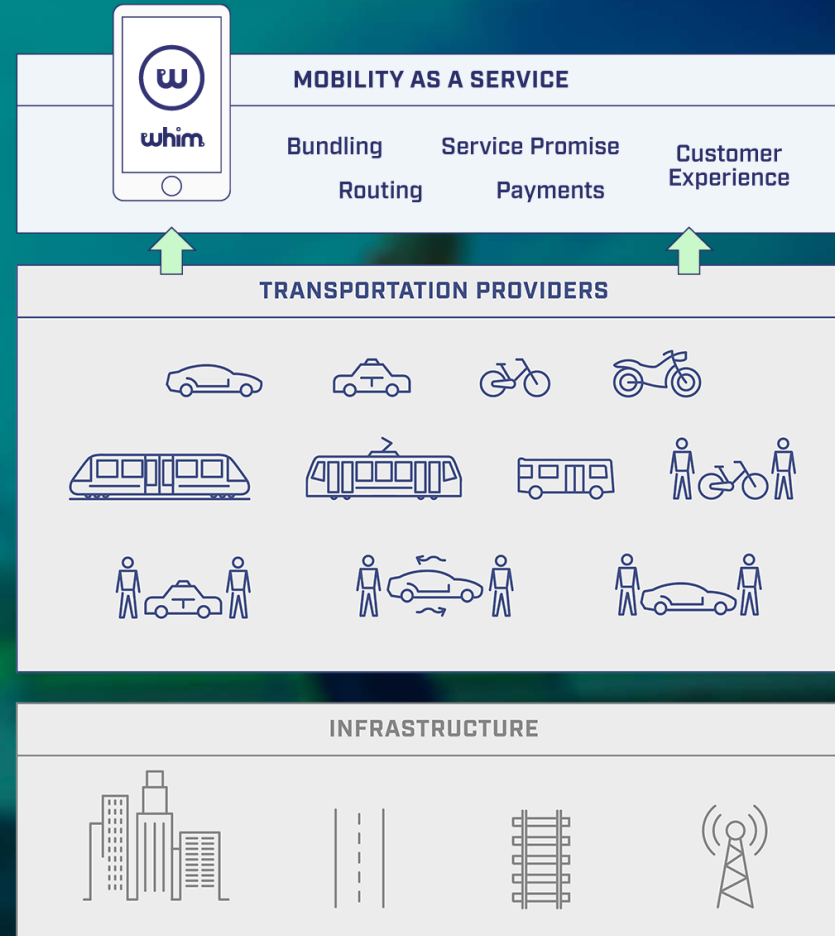
- TVV lippu- ja maksujärjestelmä(LMJ) Oy is IT service and procurement company owned by several cities and HRT (Helsinki Regional Transportation)
 - Provides ticketing and customer information solutions for PTAs/Cities
 - Best known products/solutions
 - Waltti –ticketing solutions
 - Digitransit –Journey Planner
 - Solutions are used over 20 Regions in Finland



Why we need Traffic data platform?



- **No-one is anymore responsible to collect nationwide data**
 - Traficom doesn't have anymore their previous responsibilities
 - Current NAP is not a solution for data sharing, it is just a phonebook
 - No-one is collecting data from new players or transport modes
- **MaaS service providers needs good traffic service data -> No data – No travel packages**
 - Basic traffic data should be seen as part of traffic infrastructure (digital infrastructure)
 - Only if we have wide range of options available, we are able to compete with private car
- **Just raw material is not enough even in this case**
 - Raw data is not standardised
 - Data from different players can't be combined without extra work
 - Journey Planner algorithms don't work without harmonized data



PPP models are needed on Multimodal Platforms



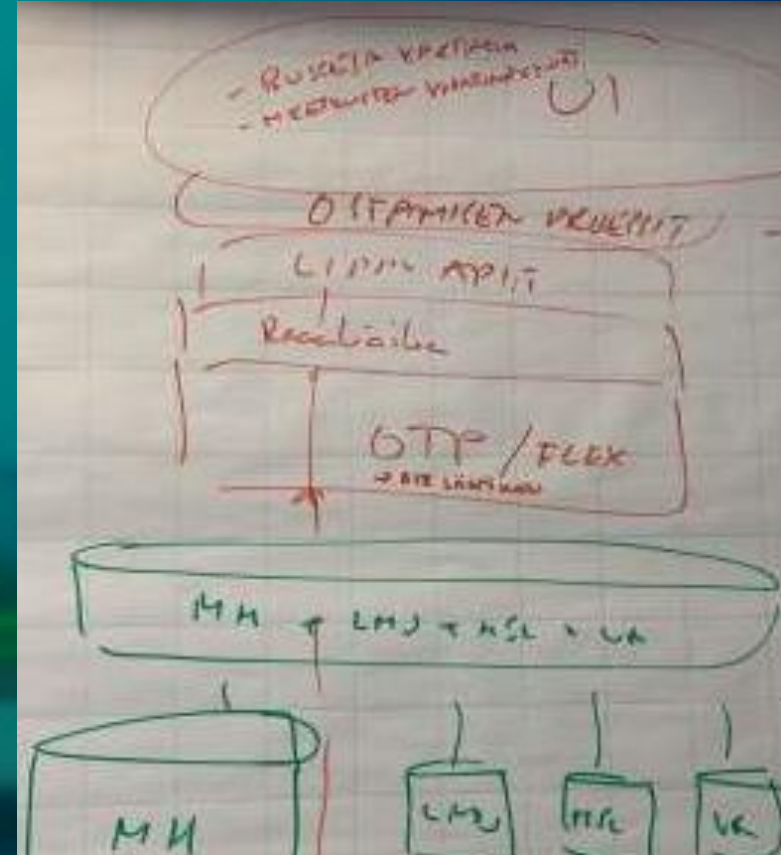
- Data sources from both Privat and Public parties
- Intelligence/ Algorithms development needs ideas/resouces from Public and Privat players
- Users comes from both Privat and Public sectors
- Users don't care / don't know is the data from Privat or Public source -> they need answers and proposals that includes transportation services from both parties



What is the focus area?



- **Collecting data and harmonization of the data**
 - Data from different transport modes, just basic timetable data is not enough
 - Provides data to developers, MaaS operators, customers information solution providers, etc.
 - Data can be used also for research and statistic purposes -> Cities/Authorities, cityplanning functions, etc.
- **Multimodal journey planning algorithms**
 - Regional and nationwide journey planning results (multimodal)
 - First development steps: on-demand traffic (based on GTFS Flex), combine different schedule based traffic/timetable packages
 - International Co-operation needed
- **Standardized interfaces**
 - Journey planning API's
 - Based on OTP and OTP Flex (Open Trip Planner)
 - Order API's
 - Open API for on-demand traffic orders
 - Can the same structure used also for renting orders?
 - Sales API's
 - At least together with Public Transportation service providers
 - Possible Co-operation with other Nordic projects





**Kiitos!
Thank You!**

