

MaaS-pilots in NL: development of API's for shared mobility

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- Setting up a framework agreement for MaaS
- In exploration phase, 7 functions were defined needed for a MaaS-ecosystem:
 1. Personal aspects and preferences
 2. Plan
 3. Booking
 4. Travel
 5. Support
 6. Modification
 7. Payment
- 7 regional pilots to be held starting 2019 - will be nationally scalable
- Goal is to learn from and facilitate the introduction of MaaS
- Facilitating the creation of common API's is a prerequisite for successful deployment

What are we trying to do?



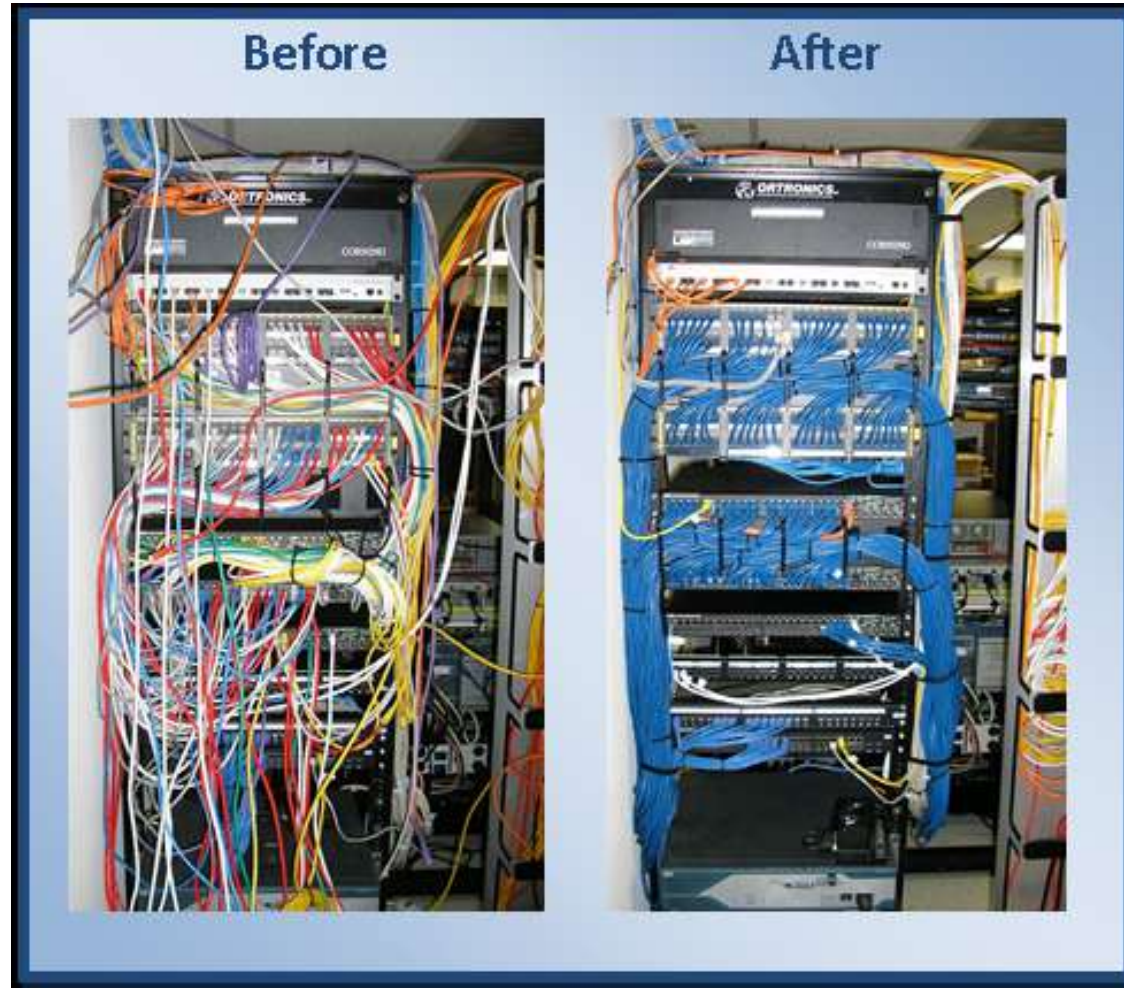
- Support bikesharing and on-demand car operators interested in developing a common interface
- Facilitate the progress, by organizing and moderating sessions, keeping everyone up to speed
- Offer in-kind technical/legal/governmental expertise to support the development of a common interface
- Align these developments with MaaS-alliance, existing standards, municipal initiatives and other European initiatives
- Goals: open development, open process, open API's

What are we not trying to do?



- Build a 'government' API/app/website etc.
- Impose a standard top-down: the initiative lies with the transport operators (in this case, on-demand car and bikesharing operators)
- Adopt or enforce a proprietary standard: all transport operators have equal say and are offered a chance to give input
- Subsidize API development for participating transport operators
- Give open access to anyone to make API-calls to transport operators. We are defining the door, not giving away the key!

Facilitating common API's



- Amsterdam to implement a license for bikesharing operators
- ‘F12’ operators signed a letter of intent in December 2017 on collaboration in data sharing
- Process has stagnated since. Following a request from the operators, together with G5 municipalities (Amsterdam, Rotterdam, Den Haag, Utrecht and Eindhoven), the Ministry is collaborating to support this process. Operators have been collaborating again in working groups since June and will sign an agreement on November 27.
- What’s in it for them?
 - *Regulated access to cities based on transparent licensing conditions*
 - *Increase in customers due to easier access to service thanks to MaaS*
 - *Increased occupancy of bicycles thanks to MaaS*

- On-demand car companies approached the Ministry to suggest similar process as for bikesharing
- 20+ vehicle operators involved in sessions on business/legal/technical aspects of collaboration
- MaaS-pilots seen as an opportunity to test collaboration and scaling of services
- What's in it for them?
 - *Exploring opportunities to collaborate with competitors and developing their role in the market*
 - *Increase in customers due to easier access to service thanks to MaaS*
 - *Increased occupancy of cars thanks to MaaS*

Approach



- Working with technical groups with representatives from bikesharing and on-demand car companies to determine User Stories and necessary functions that must be included
- Modular approach to offer API's for different types of services
- Create a shared common baseline to define system information, system status, asset availability, pricing, booking etc.
- Include public transport representatives
- Arrange long-term development and maintenance of API's