

Breakout session II: Taxis in the future mobility chain The MaaS Ecosystem Ralf Frisch, Solution Director MaaS, PTVGROUP

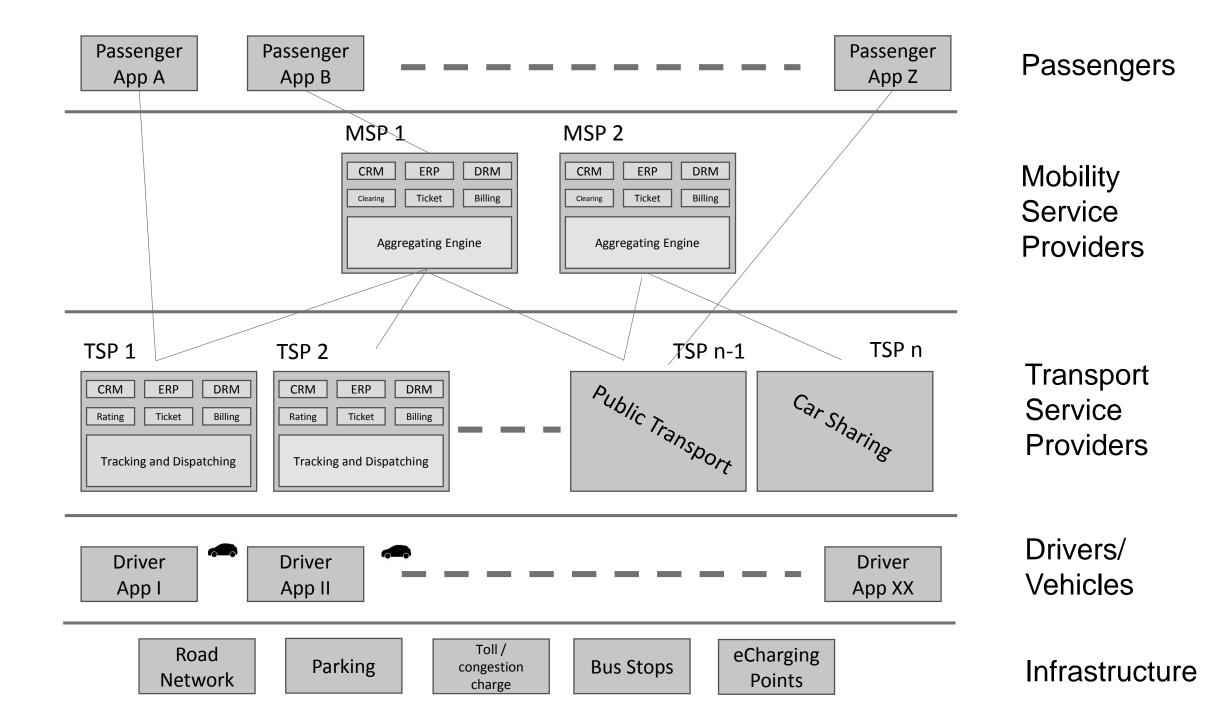


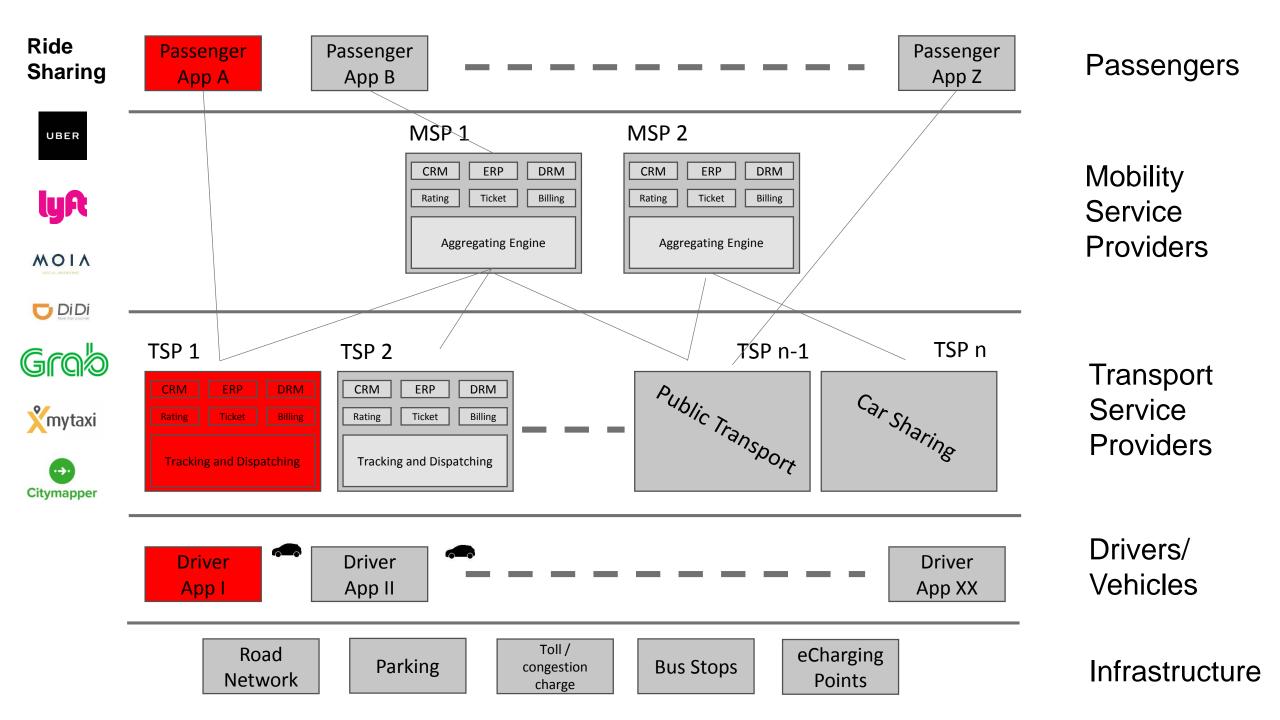
MaaS

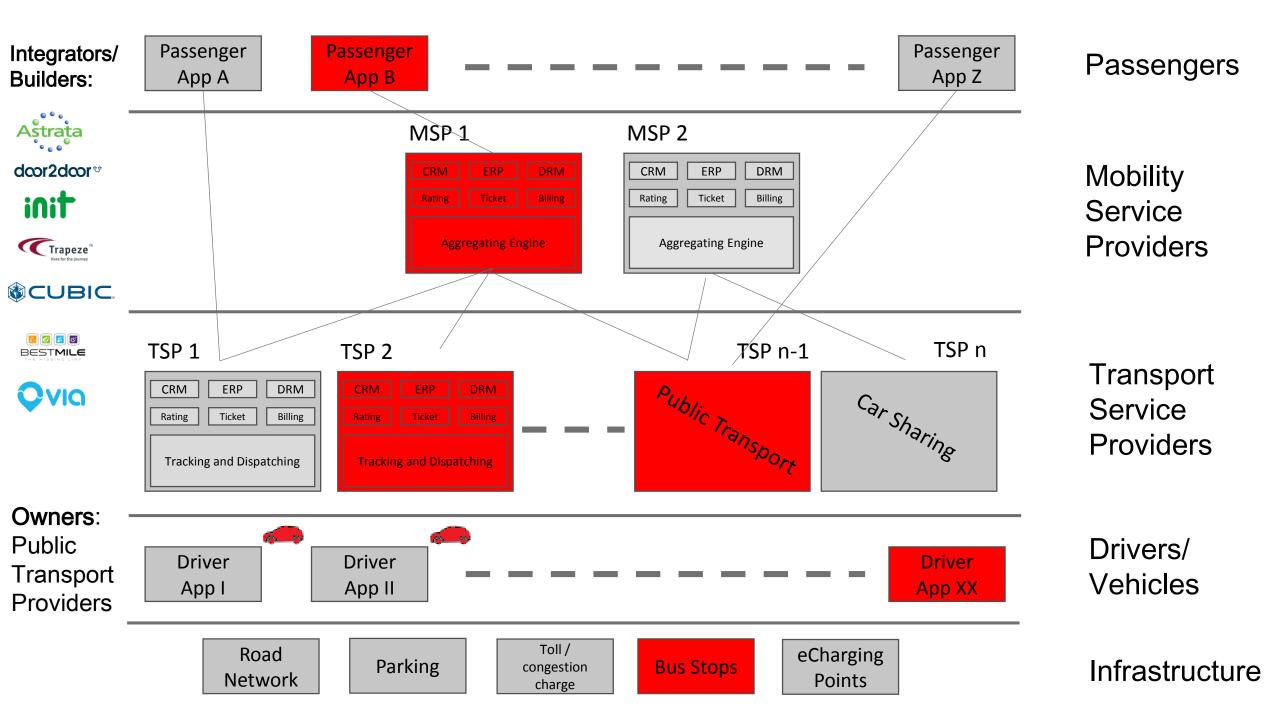
Mobility-as-a-Service

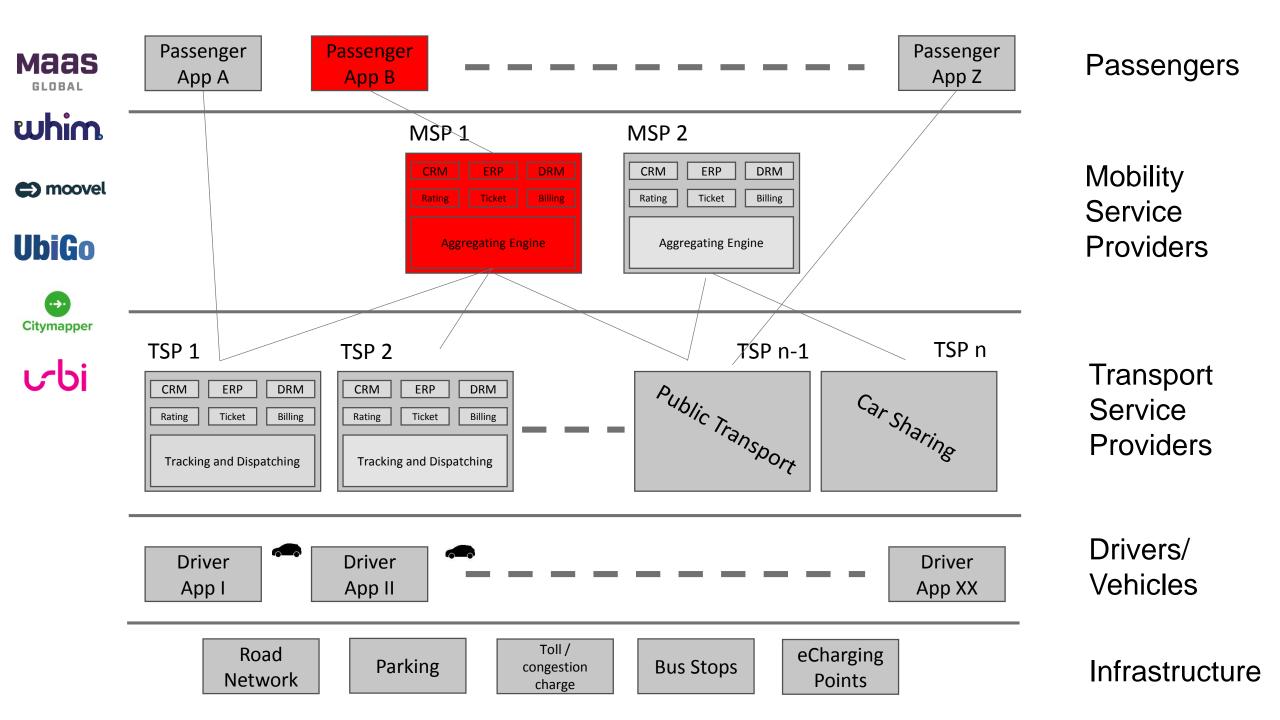
ECOSYSTEM

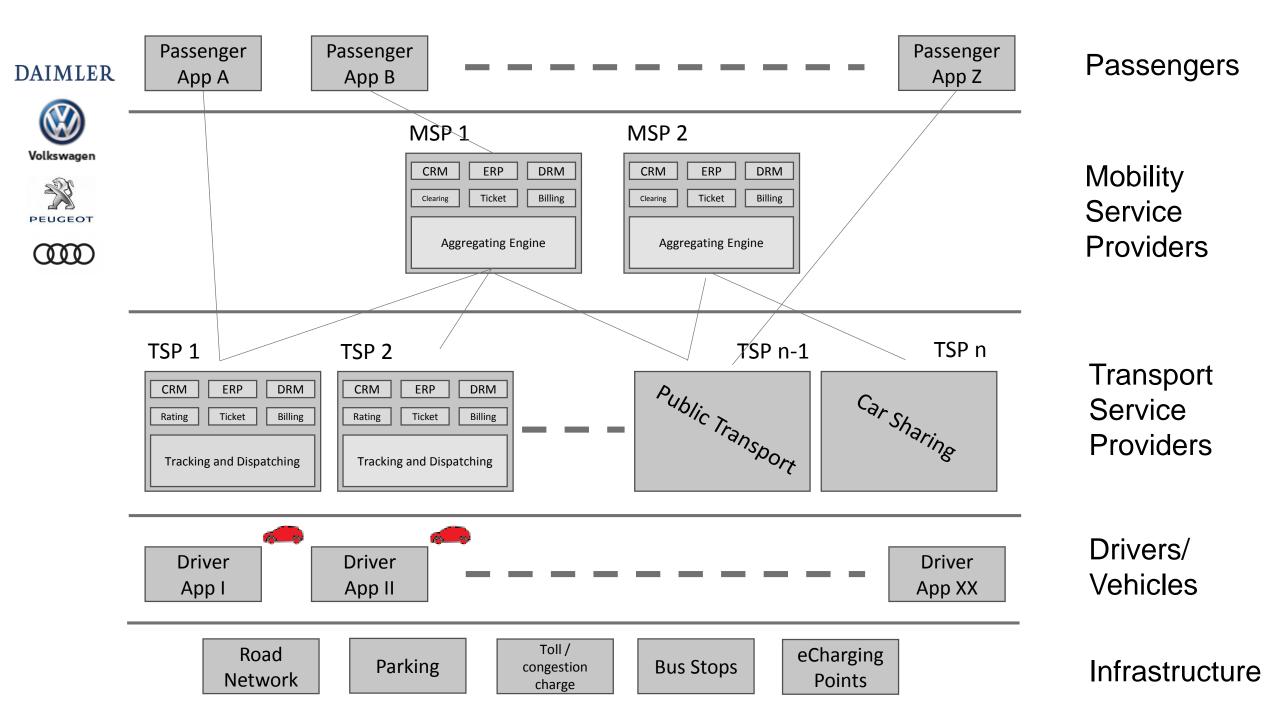


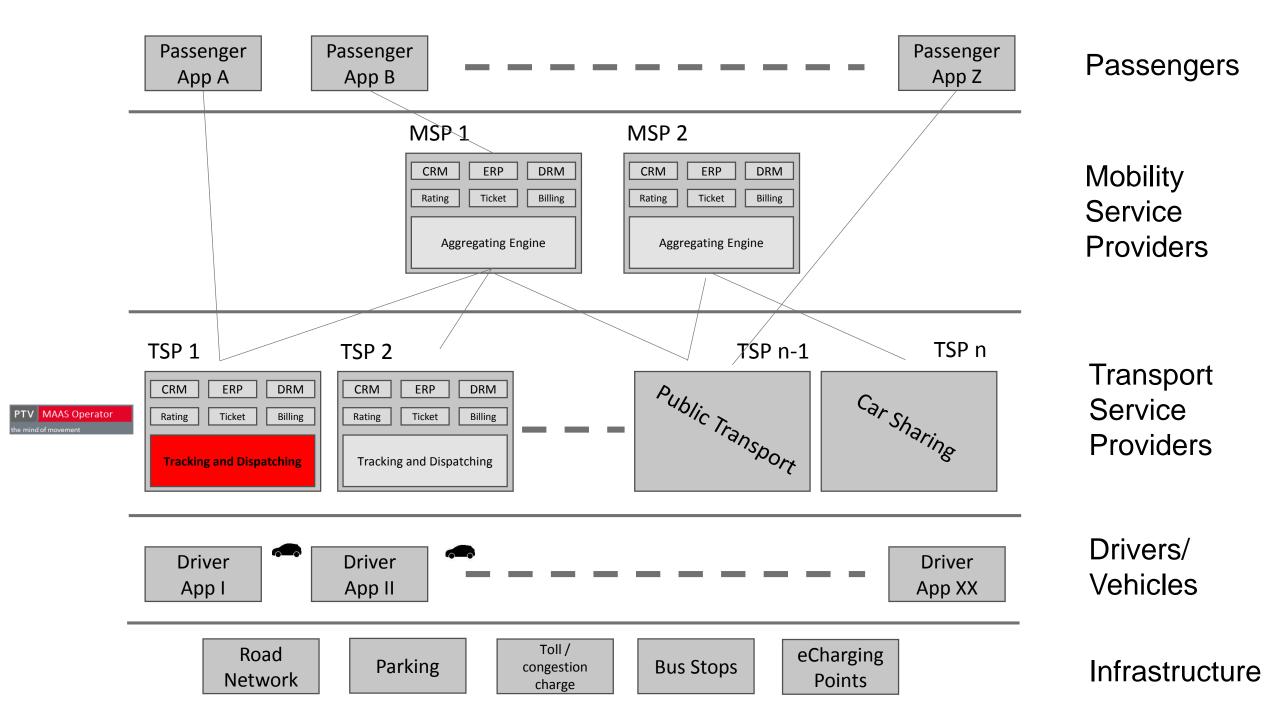


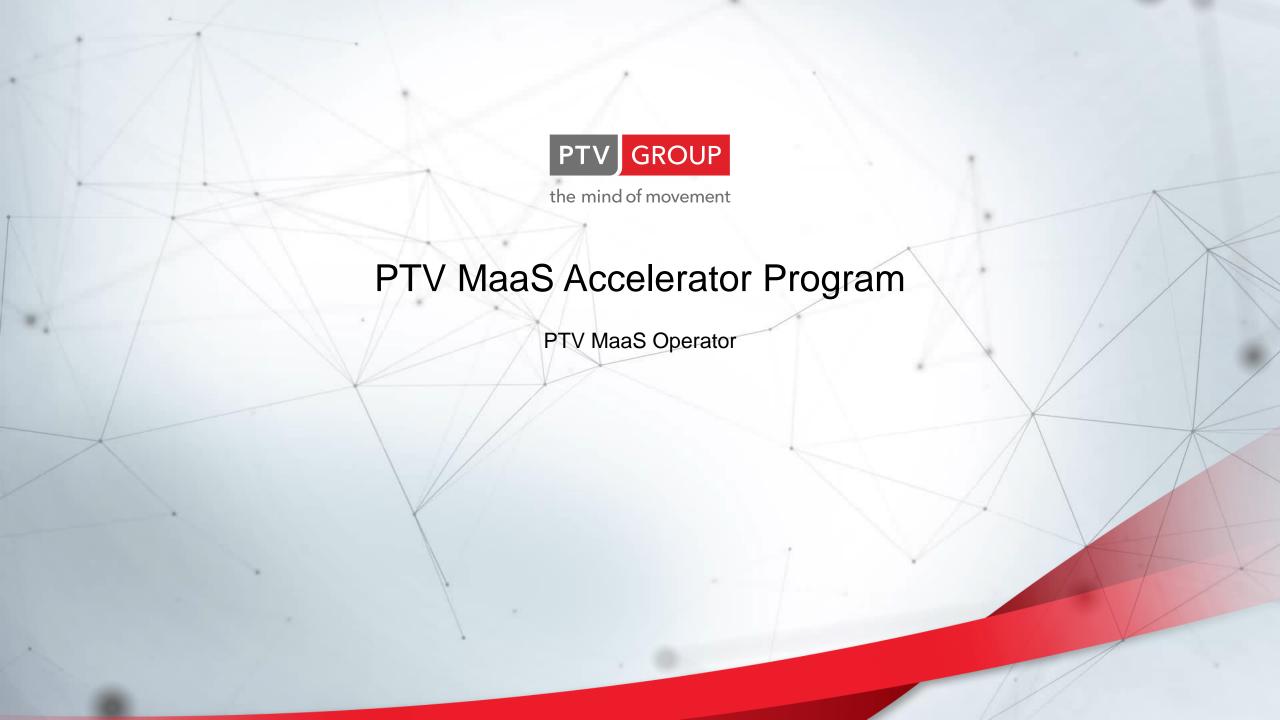














Use Cases

OEM/car manufacturers

- Sell mobility instead of hardware (cars)
- Want to operate their own fleet

Public Transport Providers (PT)

- Improve utilization of dedicated lines
- Enhance own mobility market offering

Platform providers / Taxi providers

 Need components to cope with realtime dispatching and traffic information



Technical Aspects

Real-Time

Tracking and ETA

Dispatching Algorithm (uni-modal, not intermodal).

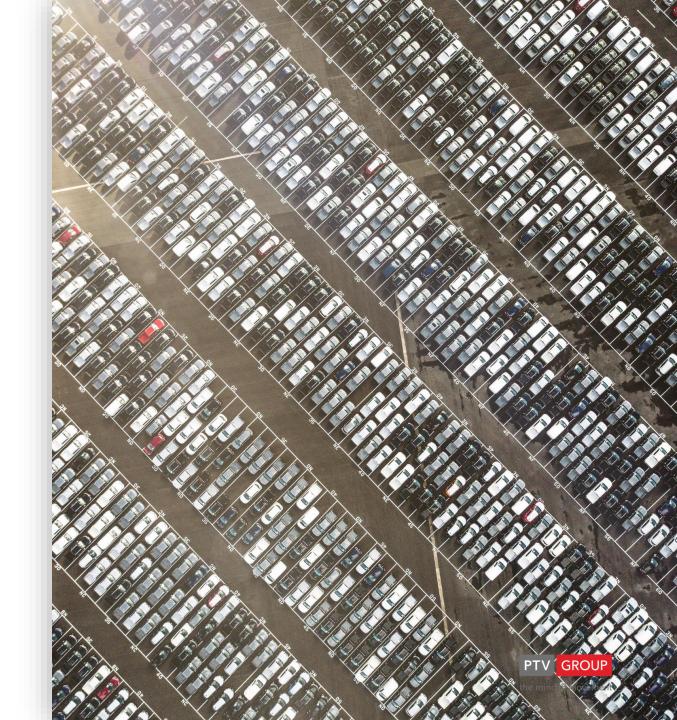
Dashboard/Admin UI (for visualizing only)

24/7 operations, worldwide

Product-first → no customer-specific projects

API-first → we sell an API, not a ready-to-use UI like PTV MaaS Modeller

Cloud-only → operated in the cloud by PTV; no installation on customer side possible!





PTV has a lot of experience

- We are experienced in building world-leading algorithms (also in Logistics)
- We are experienced in building and operating web services
- We are the only company on the planet to combine such comprehensive knowledge in both Logistics and Traffic, ranging from strategic to real-tine planning
- We build upon decades of market experience and domain knowledge

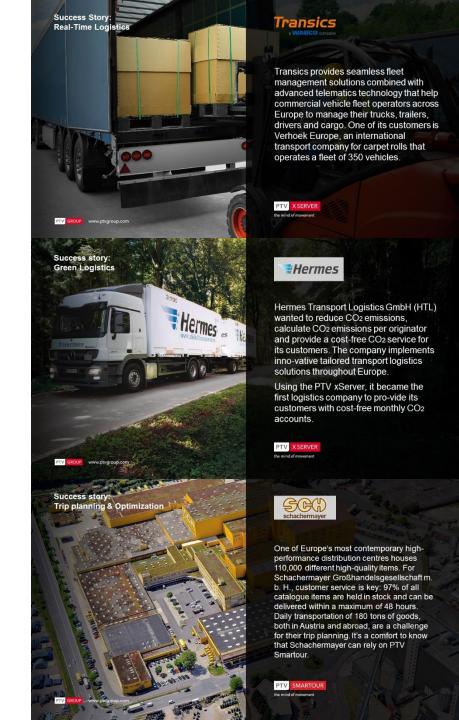
PTV has a lot of experience

New forms of mobility are conquering our cities, substantially changing the way we move, live and work.

With our worldwide network comprising over 3,000 cities, logistics, transportation and automotive companies, international organisation and research facilities, we are the key link bringing all involved actors together. For a change of mobility that benefits everyone.

Our backbone

- Building APIs with e/xServer since >10 years
- Building real-time systems like PTV Drive&Arrive since 2013 years
- Cloud experience since 2010 (first product was PTV Map&Guide Internet)
- We have "lightning speed" distance matrix calculation with high performance routing
- We know how to work with traffic information (s. logistics)





Why PTV MaaS Operator?

- World is moving from car ownership to on-demand mobility
- Cities and fleet operators want to focus on core business and not reinventing the wheel for core technology
- Next step after using PTV MaaS
 Modeller → simulate first then bring to an operational level
- Combine PTV Know-how in traffic and optimisation

