

Towards dynamic multimodal travel information services

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HaCon – A Siemens Company

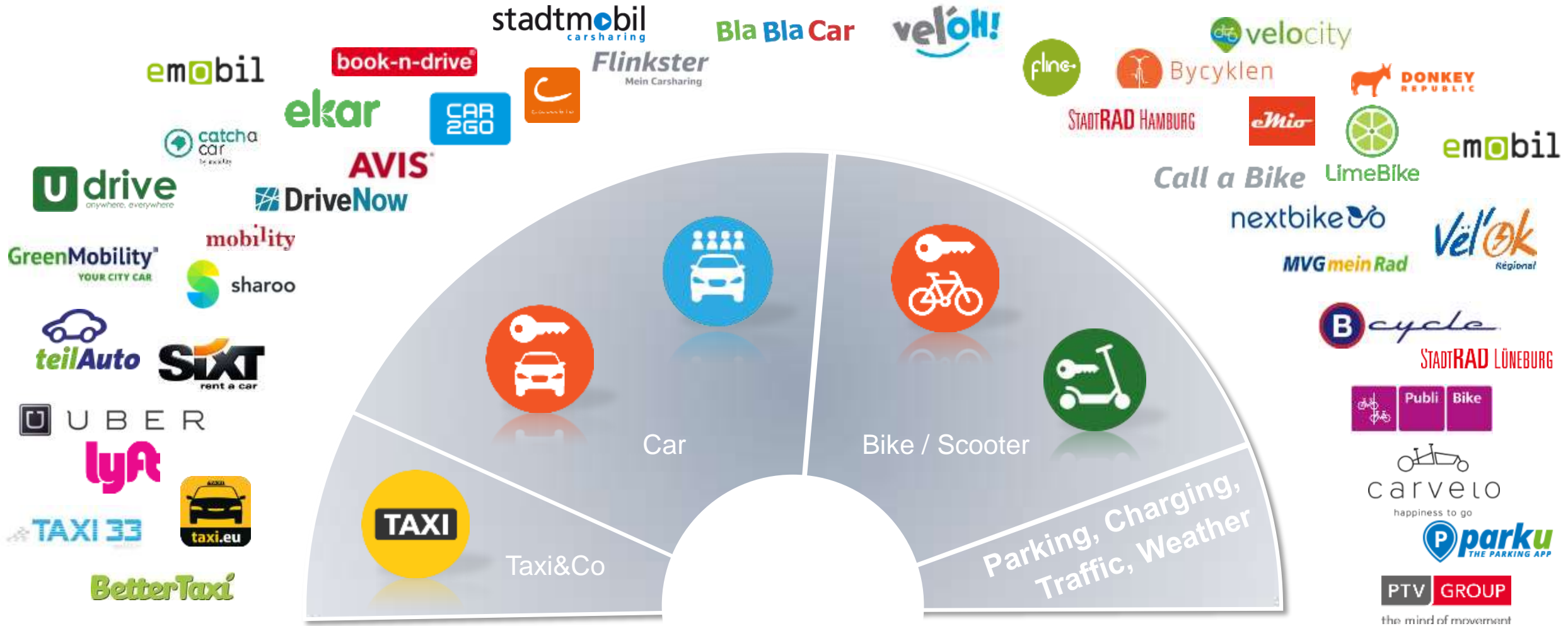


- Software for timetables and mobility
- 100% owned by Siemens Mobility since June 2017
- 350 employees at HaCon + 200 handling with ticketing
- Coordinating ticketing competence
- Customer profile



- DELFI – German nationwide public transport data and real-time and tariff information services
- VDV 453/454 – well established data sharing format for any kind of public transport real-time data
- TRIAS – well established information service interface for PT
- SIRI – European data sharing format for real-time data
- EU-Spirit – distributed cross-border information system
- GTFS – Google transit format
- NeTEx – European data sharing format for PT
- OJP – Open Journey Planner (for NAP)
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HaCon and Multimodal information services



We profit from data information services and standards



- More competition, but.....
- Access to worldwide data – e.g. HaCon delivers IMR to BMW in US
- Avoid heterogeneous data formats and therefore...
- Faster integration of 3rd party data and services for less costs
- Integration of additional content (like real-time, tariffs,.....)

Some statements/learnings....



- Quality of services and data is essential
 - Bad data is a mess
 - Common interpretation of formats needed (e.g. VDV 454 as good example)
- Interoperability is most important
 - PT data must fit together (e.g. planned data is matching real-time data)
 - Data must work cross-border/internationally
 - Interoperability between different modes:
 - E.g. sharing service must provide a location search, but also a request of the whole data set to ensure intermodal n:m routing

Some statements/learnings....



- State-of-the-artness is essential
 - Stakeholders must be on board
 - Standards are important, but not helpful, if not maintained
 - Maintaining standards needs money!

- Who is a potential user of data and services?
 - B2C or B2B: the right interface/data format for the right use case leads to high acceptance
 - e.g. a complex NeTEx might not be the right solution for a simple B2C use case