

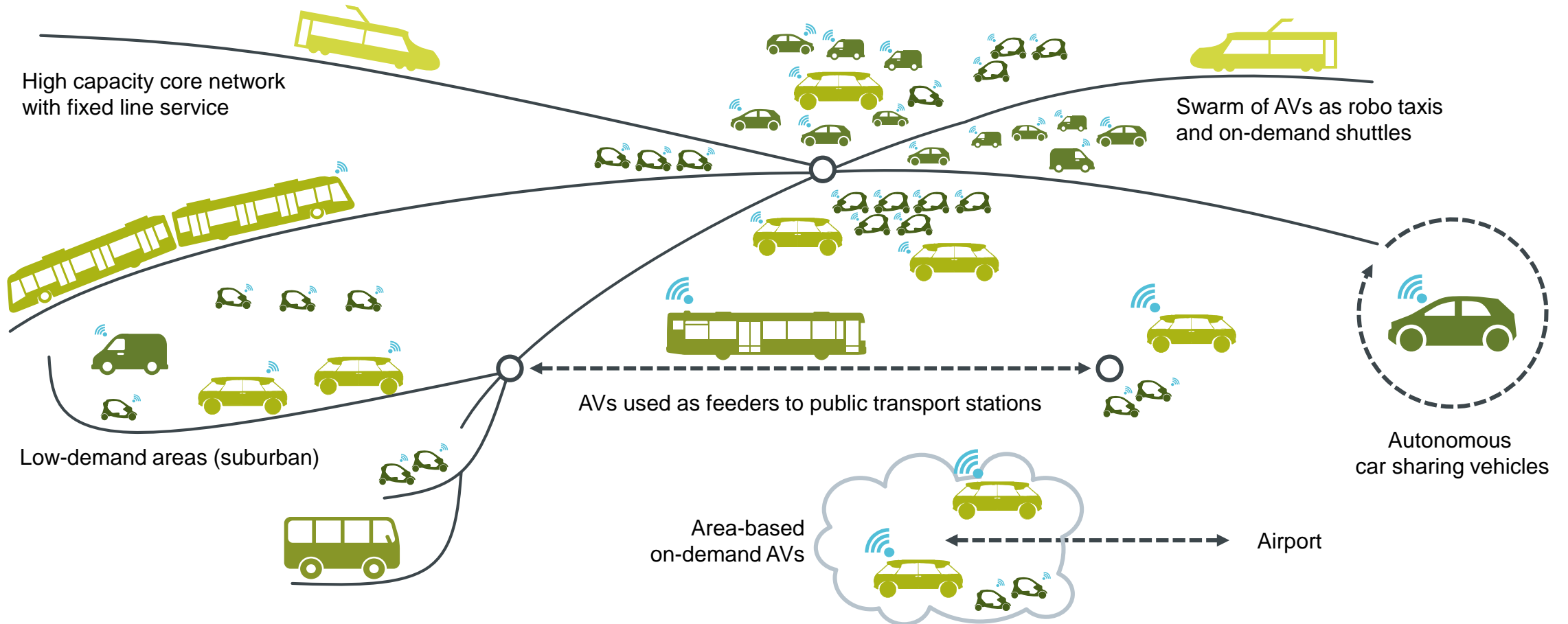
An Optimized Transportation System based on self-driving electric vehicles

OTS 1.0 | Munich, 25 October 2018
Head of Innovative Mobility Solutions

The urban landscape of the future will look different – above all through the optimization of individual traffic



The level of complexity and automatization for transportation systems increases significantly



The need for an Optimized Transportation System is greater than ever before

Vehicles with combustion engine



Electric vehicles



Autonomous vehicles



Uber/Lyft vehicles



Machine-controlled vehicles on the road must be as safe as those on railways



An Optimized Transport System supported by self-driving vehicles will help to master the future of mobility

Enable level 5 of autonomous driving

Improved safety for complex traffic conditions and in all weather conditions

Enhanced ease of traffic

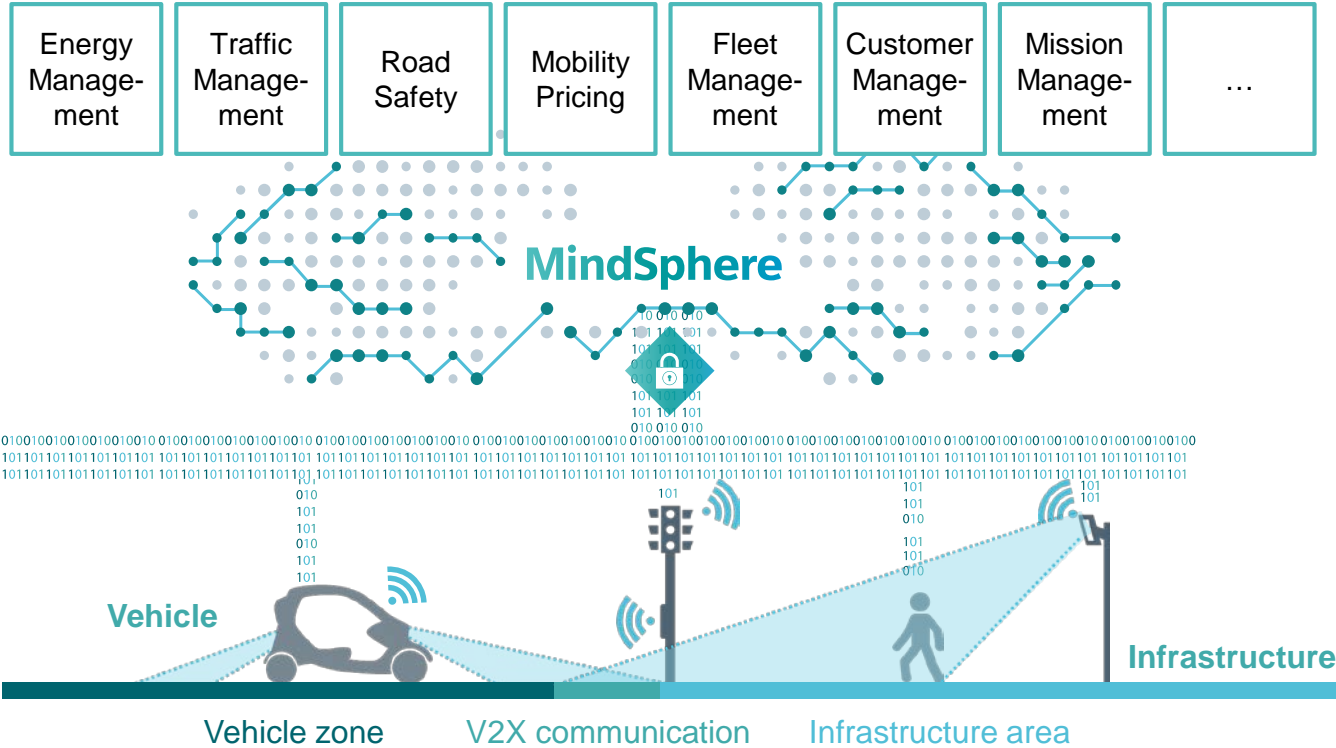
Enabling individual public transportation on the road

Siemens SDV Suite – safe and efficient autonomous driving



Intelligent Infrastructure

- Real time traffic related information
- Assisted or pre-predictive driving for safety and comfort
- Providing basic support for autonomous driving



Cloud Services

- Integrated Fleet and Infrastructure Management
- Advanced Traffic and Incident Management
- Intermodal passenger experience

From hours to milliseconds

From macro to micro traffic management

From public transport to public individual traffic

Individual public transport – Advanced platooning system and first/last mile



Backend collects passenger requests and calculates transport recommendations in real time traffic → pools passenger requests into dynamic routes and ensures availability of right amount of shuttles



- Shuttles could be coupled into platoons
- Safe and regulated drive through the city
- For optimal individualization of mobility, platoons could be decoupled on the last mile



- Solving the first and last mile
- Connecting also areas with lower demand by mobility on demand solutions
- Smooth and efficient trips across all modes of transportation

Test fields for SDV activities at Siemens – together with an ecosystem of relevant partners



Urban/Campus

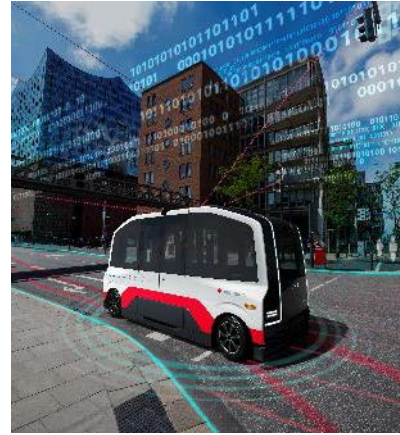
Munich OTS 1.0



Singapore CETRAN, RFI, etc.



Hamburg HEAT



And many more projects ...

Interurban

KoRa9



Many thanks to our project partners, sponsors and supporters!

SIEMENS

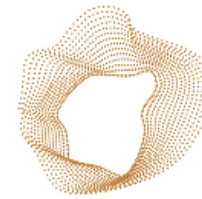


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