

Mobility of the Future

- Impact on Lifestyle, Cities, Business and Data

Presentation on Fiware Summit Malaga, December 14th, 2016 |

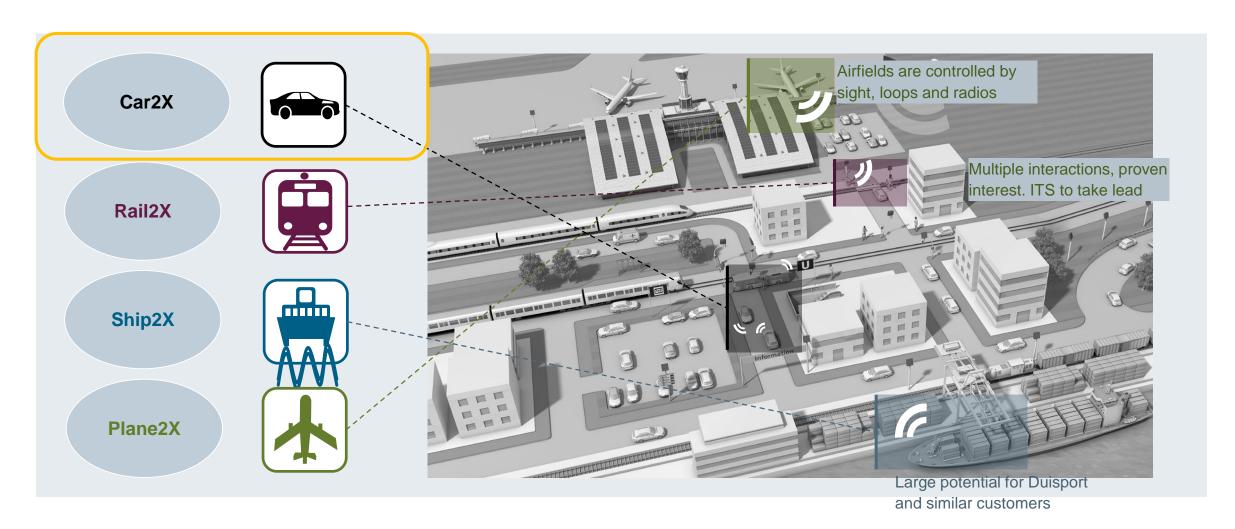
Prof. Dr.-Ing. Gernot Spiegelberg, Corporate Technology

Restricted © Siemens AG 2016 siemens.com



Car will change as a part of combined traffic in Mobility as a Service





Restricted © Siemens AG 2016



What you will get ...







Provocative Appetizer

What may happen

Main Dish

Why it may happen

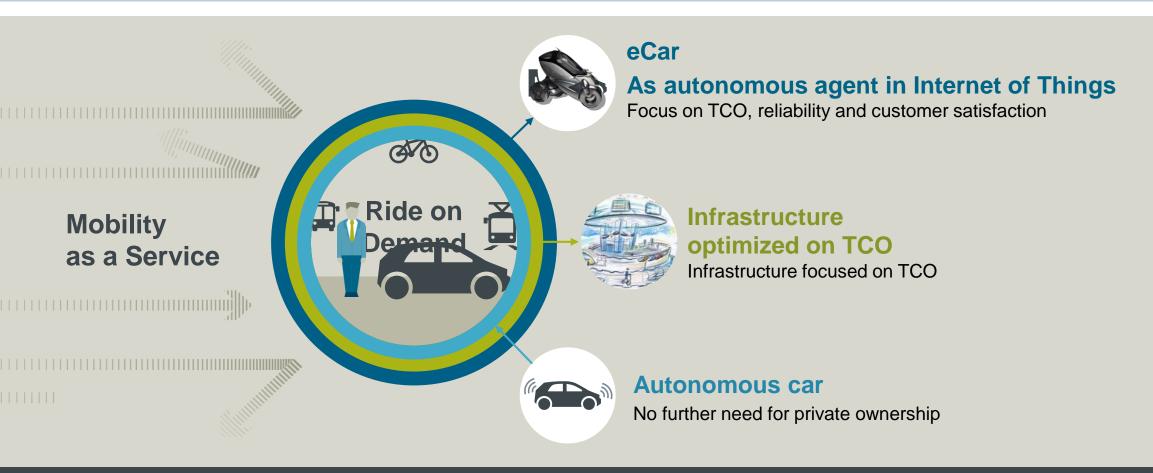
Sweet Dessert

How it could be done with technology and examples



Provocative Appetizer – "Mobility as a Service"





Three independent trends converging lead to new concepts

Change in lifestyle in the society? Driverless "ride on demand" and electrified can do





With: Zero pollution | Zero noise | Less traffic | Optimized mobility

Change in design of cities by the mayors? MaaS with autonomous agents in IoT can do





New kind of infrastructure and management required



- GPS for Autonomous Driving
- Rail2X Hazard Warning
- Airplane2X
- C2X Hazard Warning
- C2X Interurban Solution
- C2X Intersection Assistance
- Ship2X
- C2X Public Transport
- C2X Parking Solution
- C2X City Information
- C2X Autonomous Driving

Much less parking space required

No further payment for still standing device? "Ride on demand" with autonomous agents can do

Mobility solution = f

(price, comfort, speed)





PDA request



Restricted © Siemens AG 2016

Passengers -



Two different ways towards Mobility as a Service

Bottom up

Leads to

Brand focused customer relation















Difference in service?



Difference in device?

Top down

Starts with

Service focused customer relation













More functionalities need more technology in future "smart eCars"





First design study of the "eSeater" – Drive by wire – Cost reduction and autonomous driving





More functionality with lower manufacturing cost at same delivery price









Fast driving: Low air resistance and convinience

Slow motion, easy entrance

Drive by Wire for Cost Reduction: Simple mechanical structure – stabilize by electronics Drive by Wire for Functionality: Platform with API for future ADAS-plus and advanced HMI

Radical changes (similar to autonomous driving?): 5th Ave, New York City in 19th Century





1900



1913

If a trend becomes obvious – you are too late (Elon Musk)

Partnering of combined traffic – Personally parametrized transportation seat?







Personally parametrised comfort via cloud data



branded transportation seat

Take all your comfort with you virtually



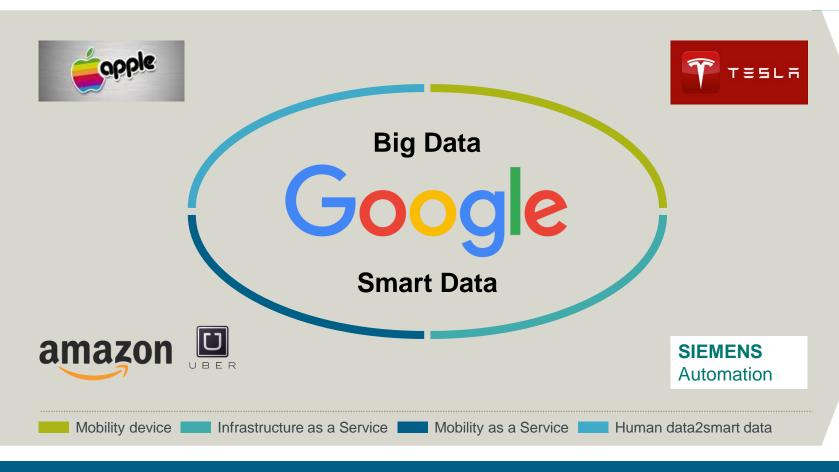


into combined transportation

New provider of Mobility as a Service may create Business for "Lifestyle as a Service"





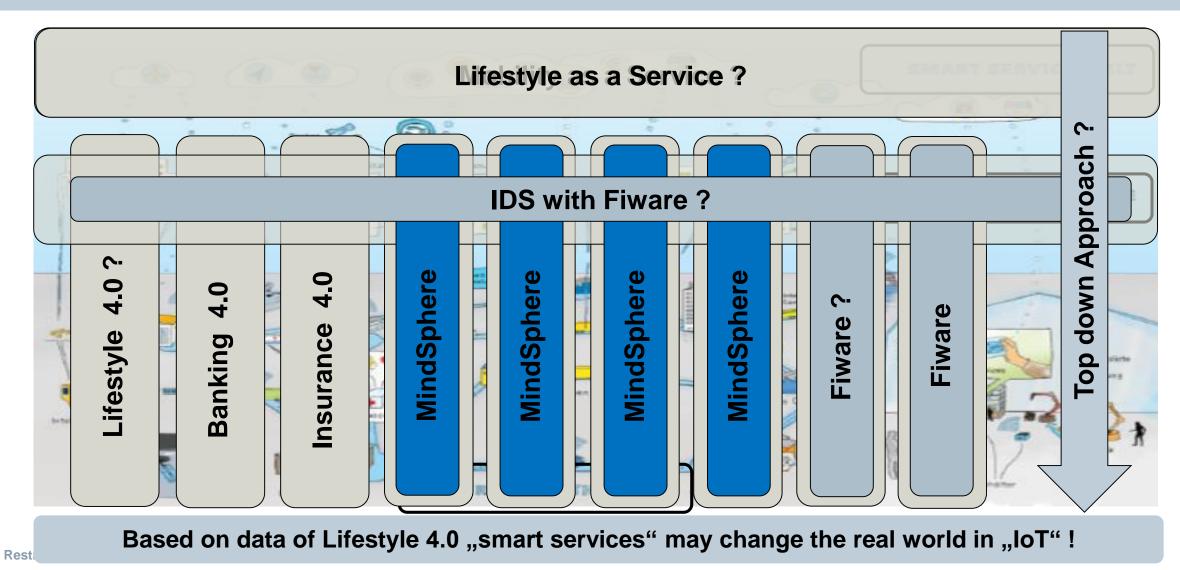


Lifestyle as a Service?

Will new mobility provider react on or create new kind of lifestyle?

What does this example matter for us?





Page 15



Thanks for your attention



Restricted © Siemens AG 2016