

Transformation in Mobility: Global Trends and Disruptions in the Interplay of Innovative Technologies and Sharing Economy

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INVENTION

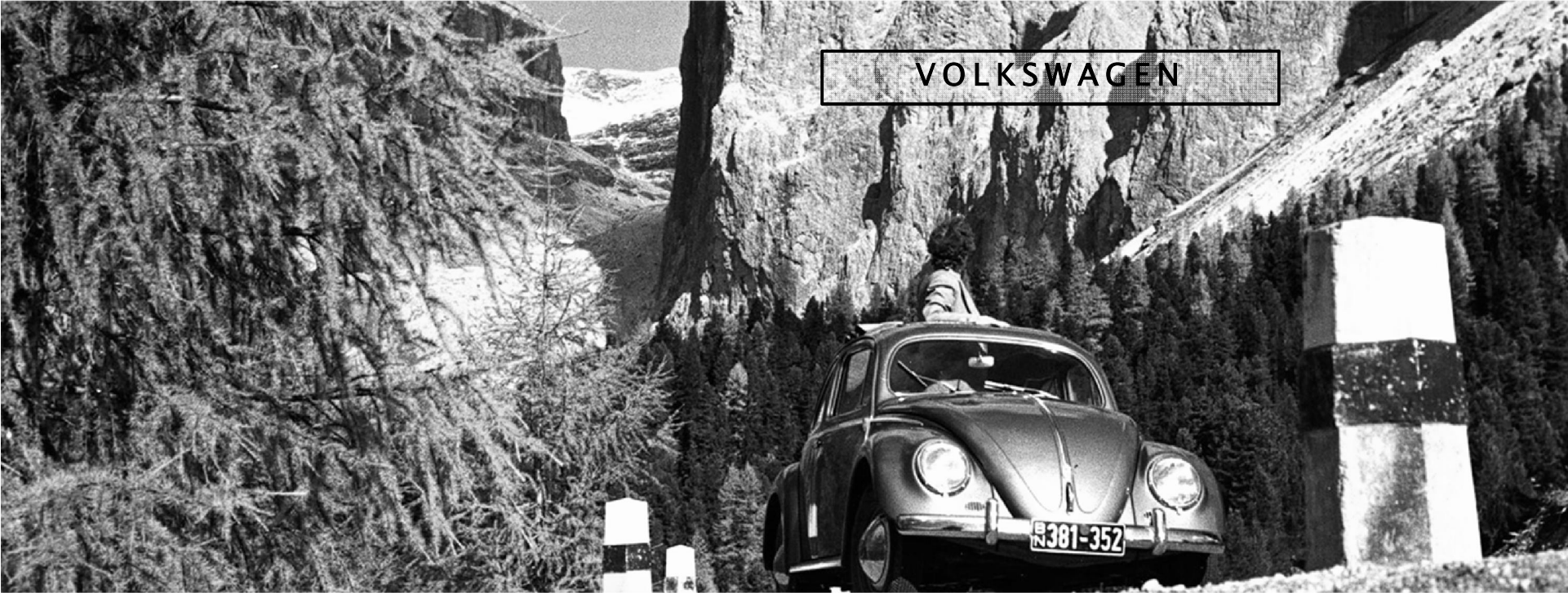


INNOVATION

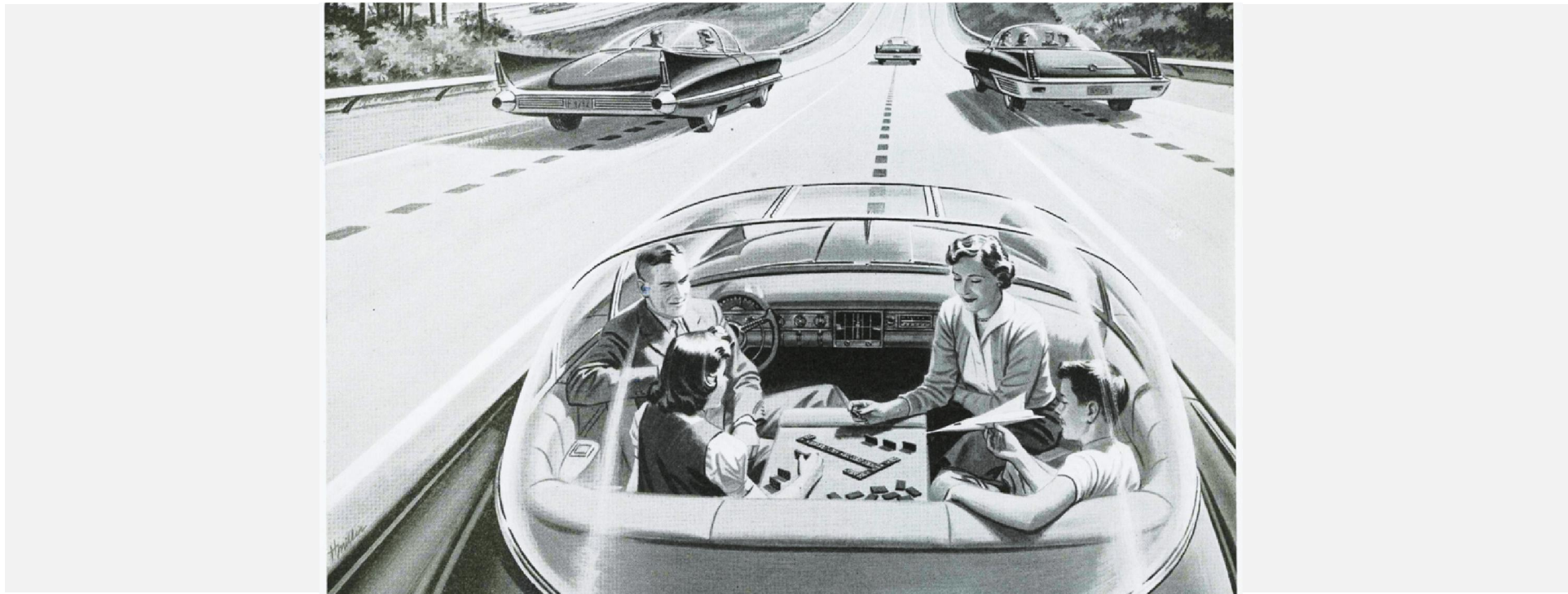
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DISRUPTION



TRANSFORMATION



ELECTRICITY MAY BE THE DRIVER. One day your car may speed along an electric super-highway, its speed and steering automatically controlled by electronic devices embedded in the road. Travel will be more enjoyable. Highways will be made safe—by electricity! No traffic jams . . . no collisions . . . no driver fatigue.

SYNERGY POTENTIAL

AUTOMATION & ELECTRIFICATION

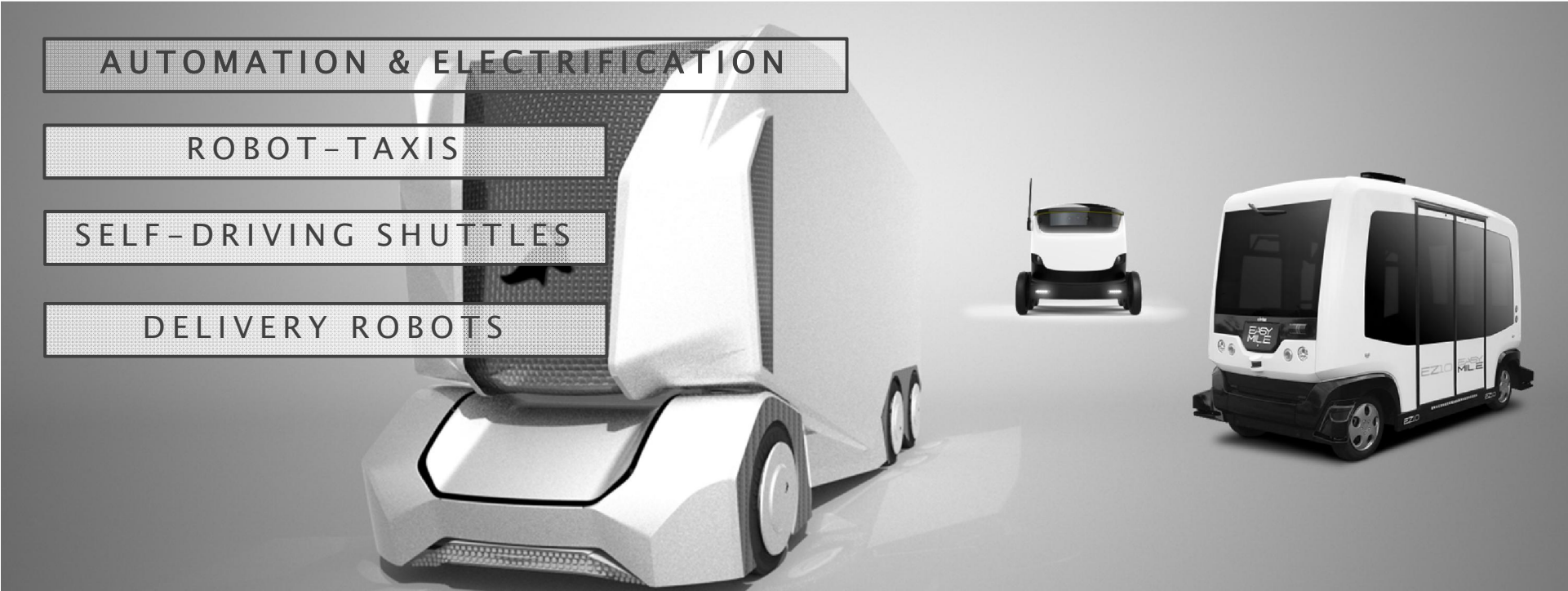
ACTIVE SAFETY-
MECHANISM

SMALL & LIGHTWEIGHT
CONSTRUCTION

ENERGY EFFICIENCY



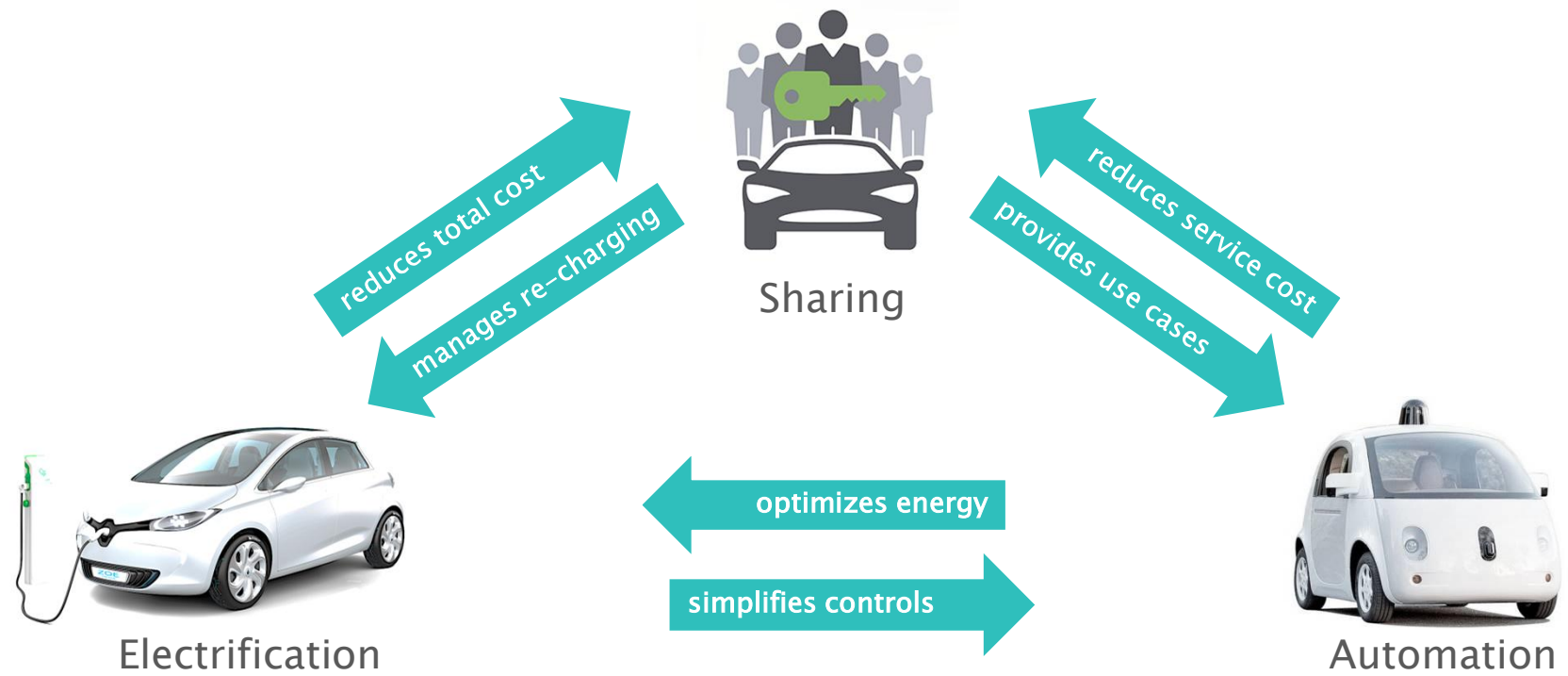
SYNERGY POTENTIAL



DISRUPTION



DISRUPTING MOBILITY



SOCIETAL FACTORS



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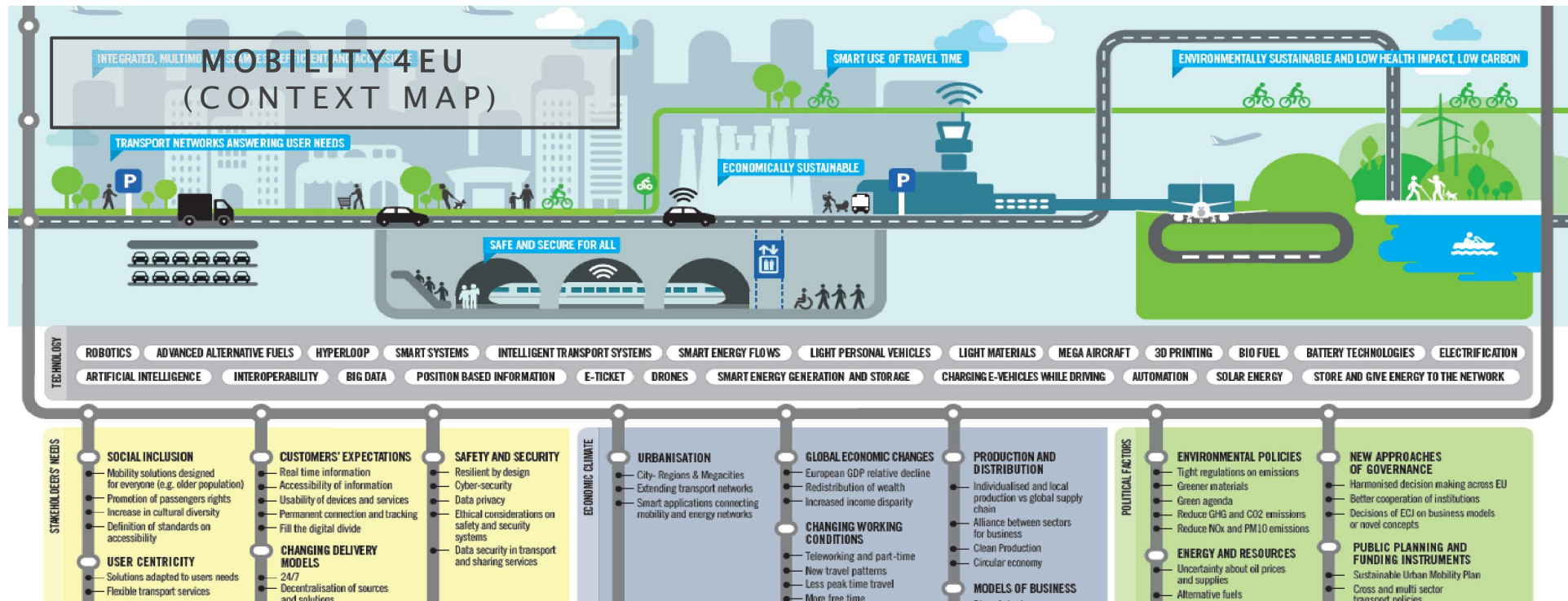


Image: MOBILITY4EU

SUSTAINABLE DEVELOPMENT PATH



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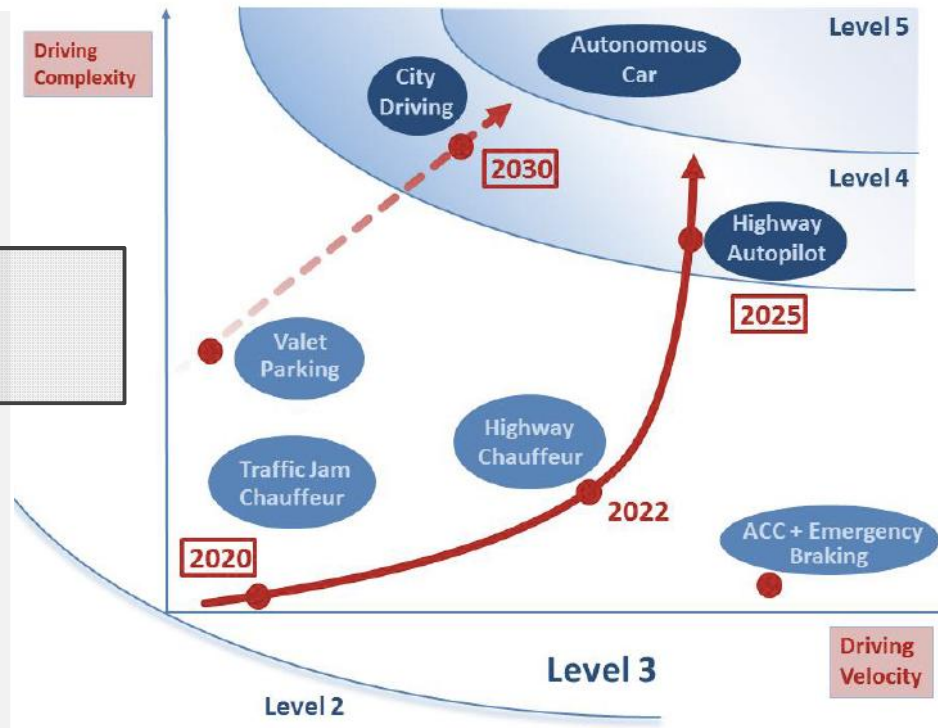
INCREASING SMARTNESS



ROADMAPS



EUROPEAN ROADMAP
SMART SYSTEMS FOR
AUTOMATED DRIVING



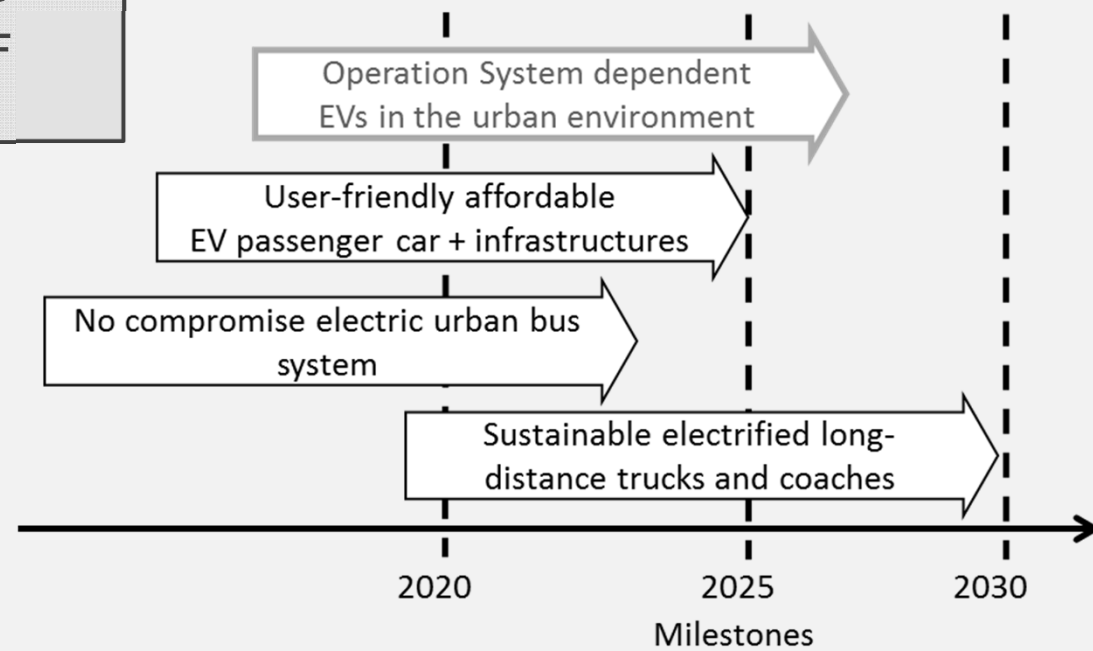
ROADMAPS



EGVI
European Green
Vehicles Initiative

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EUROPEAN ROADMAP ELECTRIFICATION OF ROAD TRANSPORT



BEST PRACTICES

- \$500

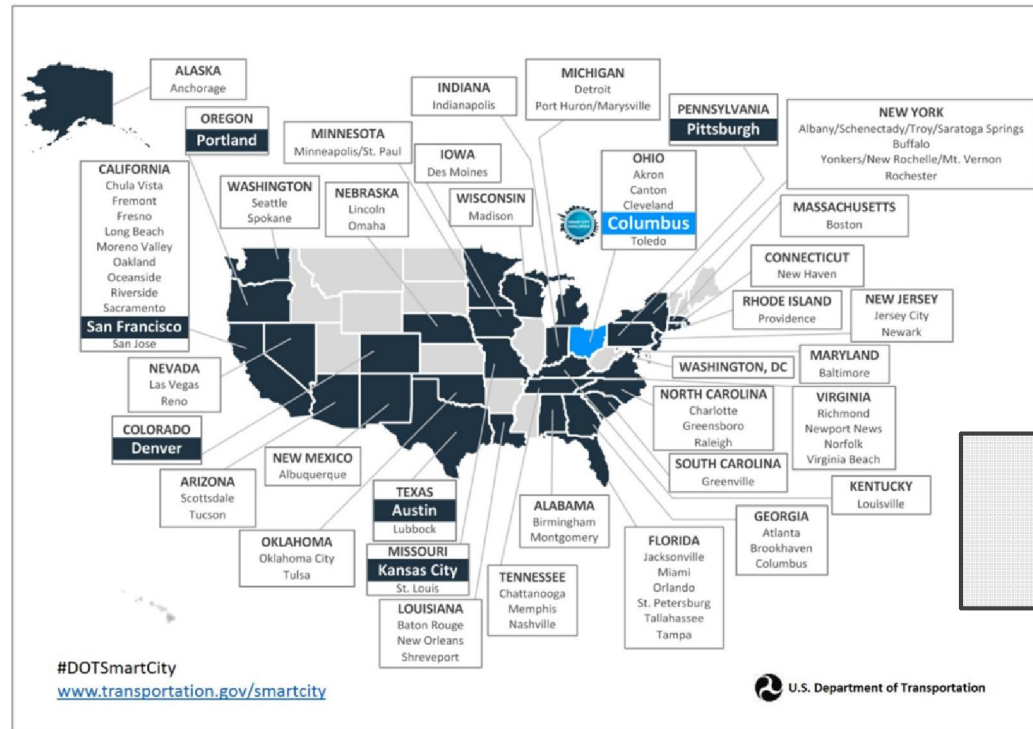
million in partnerships identified in by the seven Smart City Challenge Finalists
- 150+

partnerships identified by the Smart City Challenge Finalist
- 78

applications received for the Smart City Challenge
- 7

Smart City Challenge Finalists announced in March 2016
- 1

Smart City Challenge Winner

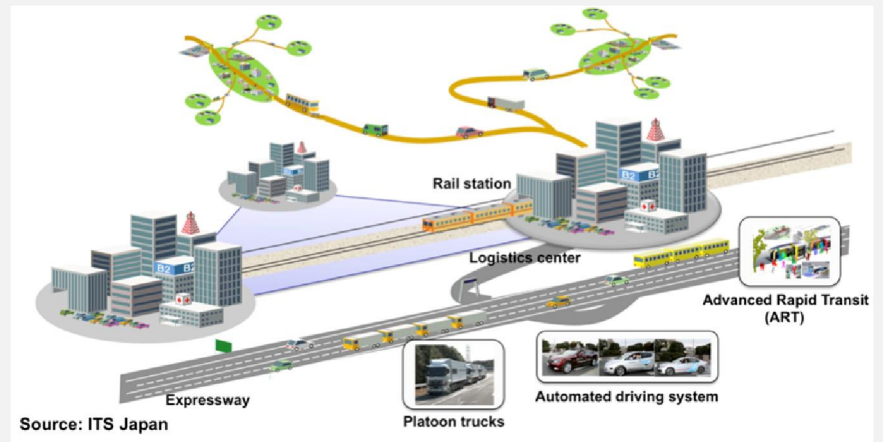


U.S. DOT
 SMART CITY
 CHALLENGE

BEST PRACTICES

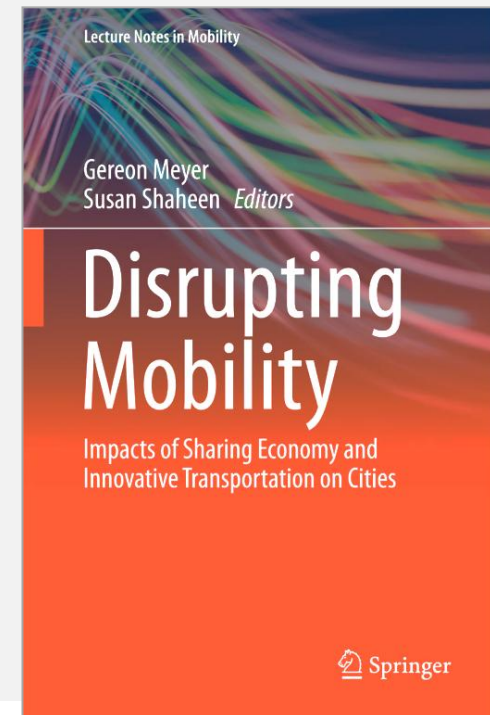


JAPAN: GOVERNMENT PLANNING FOR FUTURE TRANSPORT



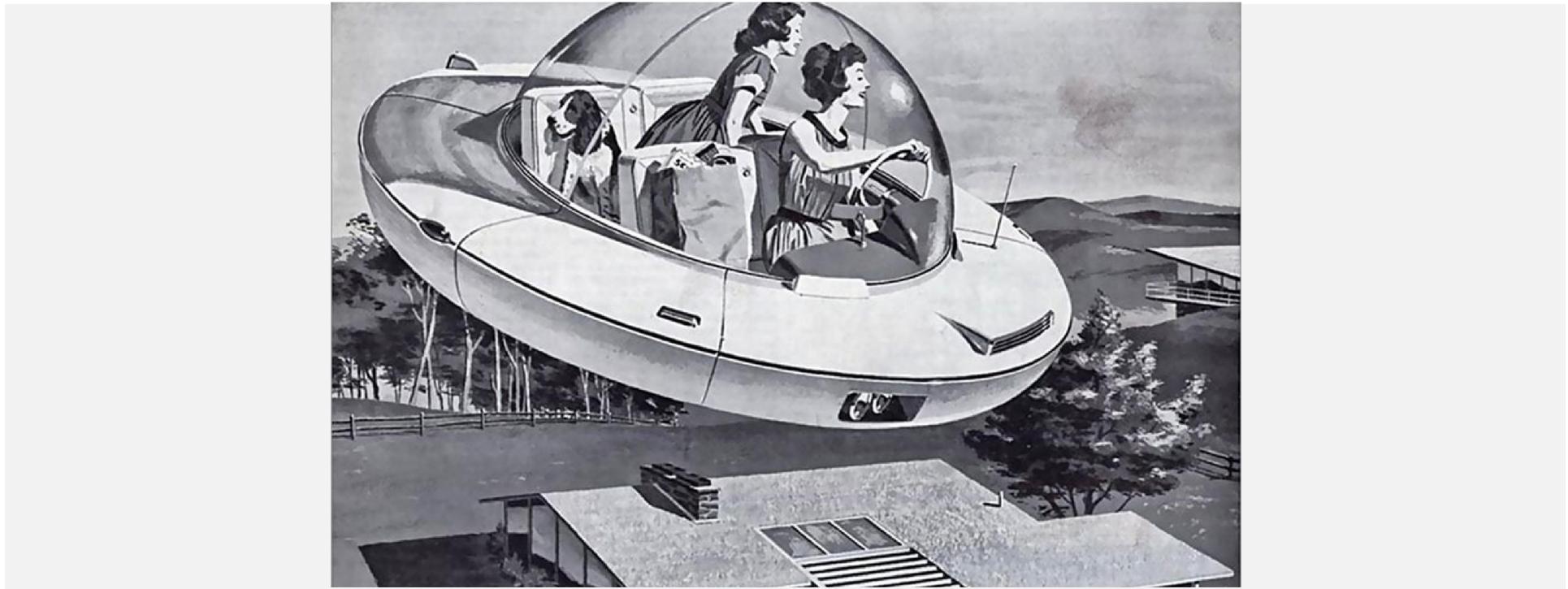
BOOK

“NONE OF THE MUCH DISCUSSED REVOLUTIONS IN TRANSPORTATION, BE IT ELECTRIC CARS OR SELF-DRIVING PODS, ALONE HAS A TRULY DISRUPTIVE POTENTIAL, BUT IF THESE INNOVATIONS ARE COMBINED WITH EACH OTHER INTO A SYSTEMS APPROACH WITH GAME-CHANGING BUSINESS AND OPERATIONAL MODELS TRUE SYNERGIES CAN BE UNLOCKED”



MORE TRANSFORMATION

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YOUR PERSONAL "FLYING CARPET" Step into it, press a button, and off you go to market, to a friend's home, or to your job. Take off and land anywhere; no parking problems. Plug in to any electric outlet for recharging. They're working on it!