



**Bicar-Feasibility study of electro-mobile sharing concept
for the last mile**

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International Seminar on "Towards Smart Sustainable Cities – Integrated Approaches"









rural population

1950

70%

30%

urban population



2050

30%

70%

Nowadays and in the future, more people live in cities than in rural regions. Fundamental changes are needed for sustainable mobility!

2. ALPEL LINKS



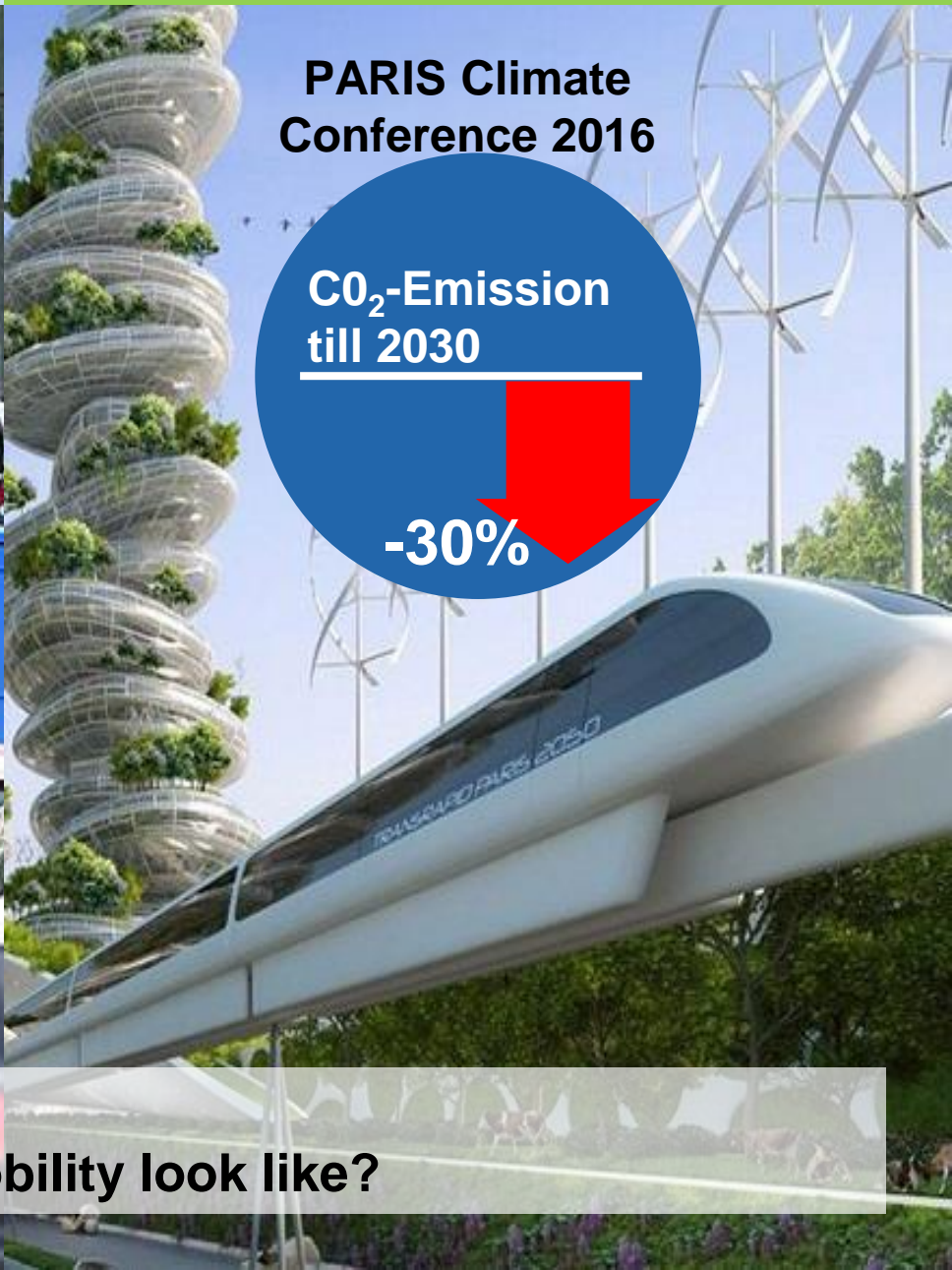
Today



Which picture do you prefer?

What does the future of urban mobility look like?

Future



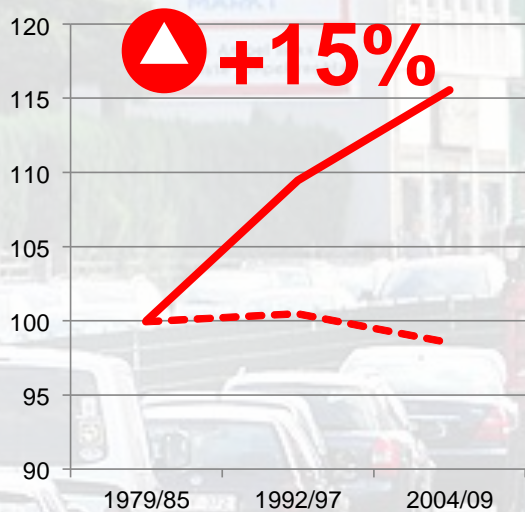
PARIS Climate Conference 2016

C0₂-Emission
till 2030

-30%



Traffic Trend

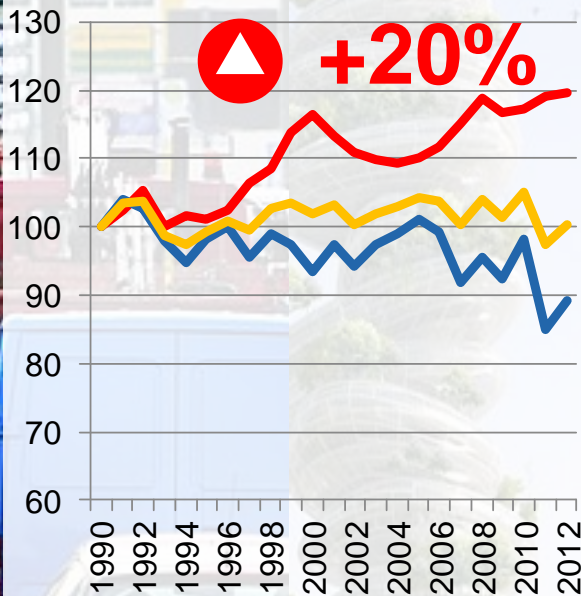


--- Traffic Area per person

— Traffic area total

Life Quality?

CO₂-EMISSION



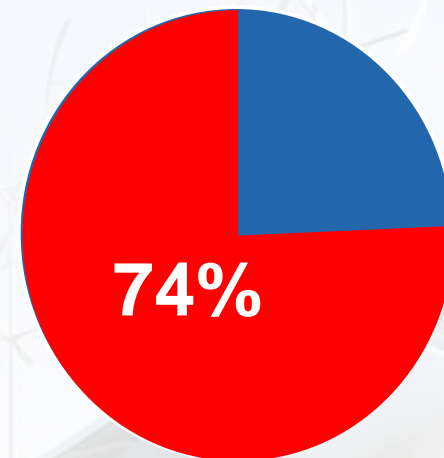
— Traffic

— Others

— Total

Energy Efficiency?

MODAL SPLIT



● Private Traffic

● Public Transport

Smart Mobility?

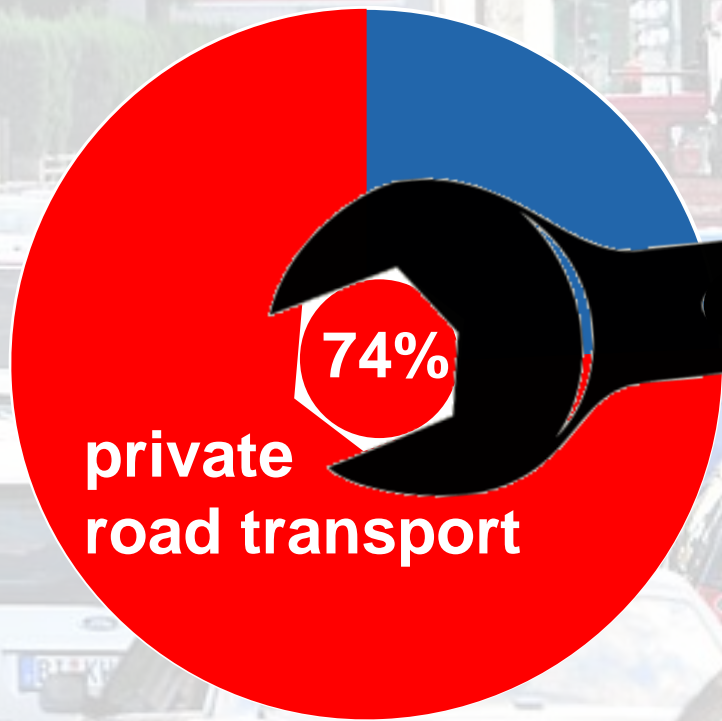
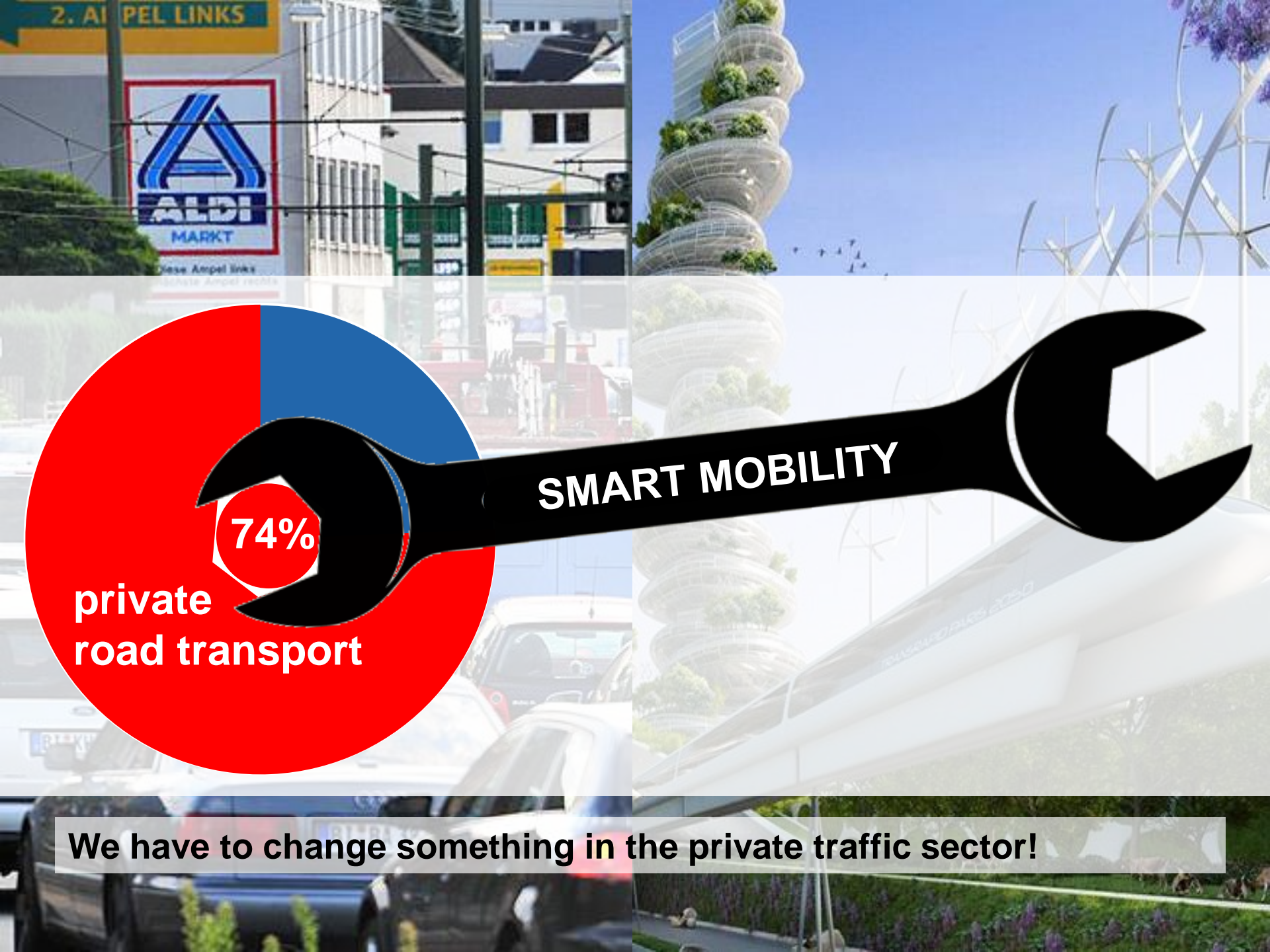


Change?

Status Quo

Smart Mobility

How can we solve this challenges?
May «Smart Mobility» be a solution?

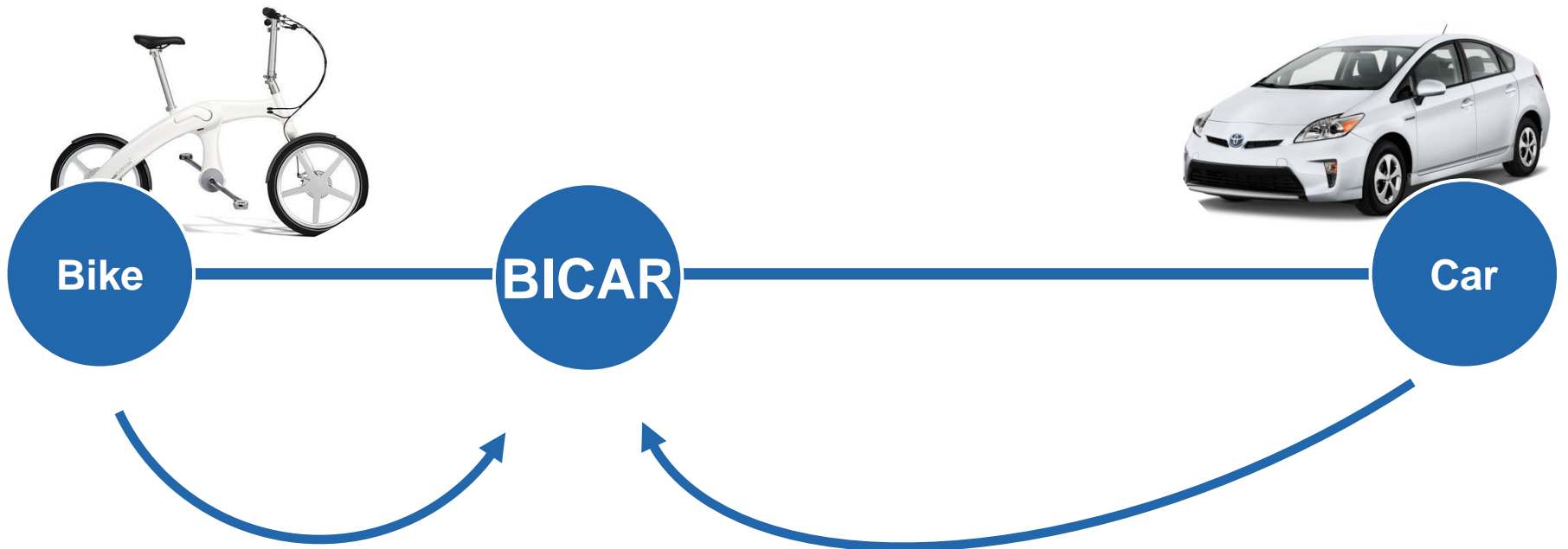


SMART MOBILITY

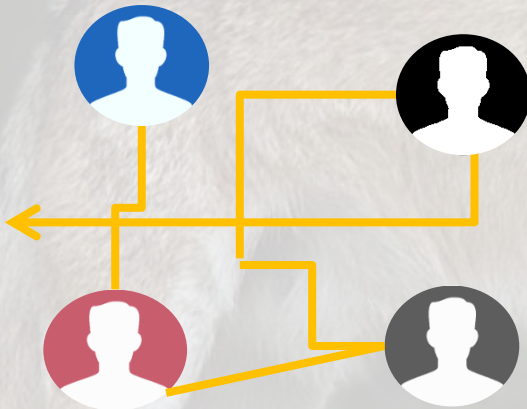
We have to change something in the private traffic sector!



SOLUTION

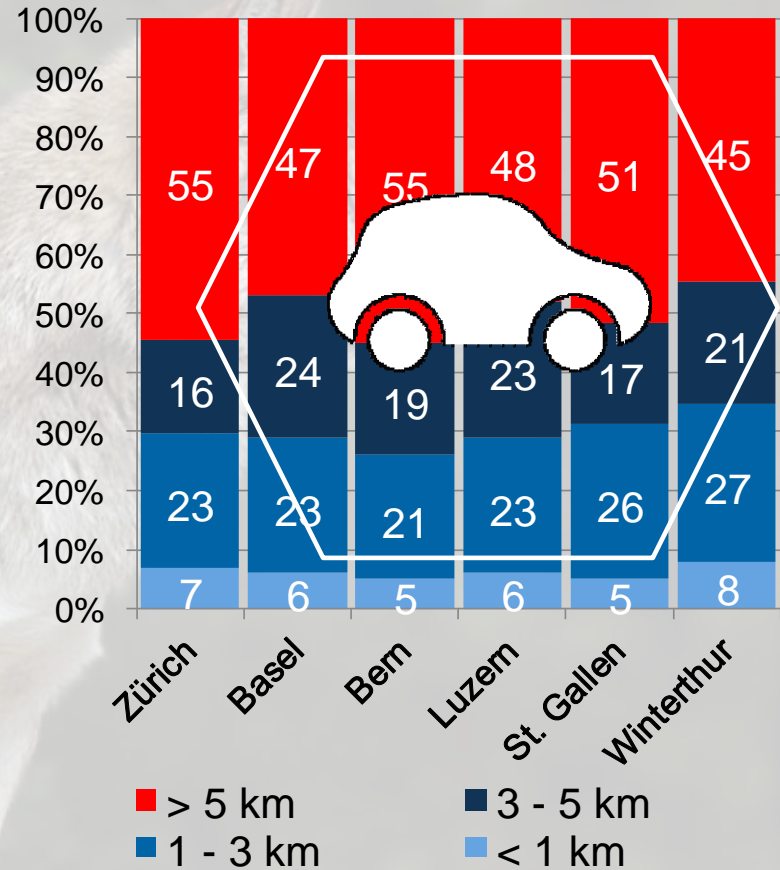


Smart Mobil + Sharingconcept...



... «short Distance driving»

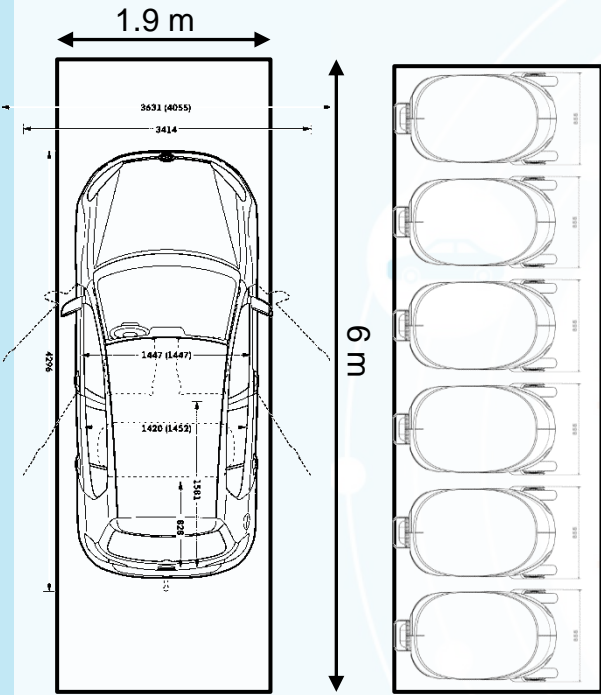
Car use based on distance



The solution:

A small vehicle, optimized for the last mile and shared with others.

Smaller



Factor 6

Area Efficiency

Lighter



Factor 19

Energy Efficiency

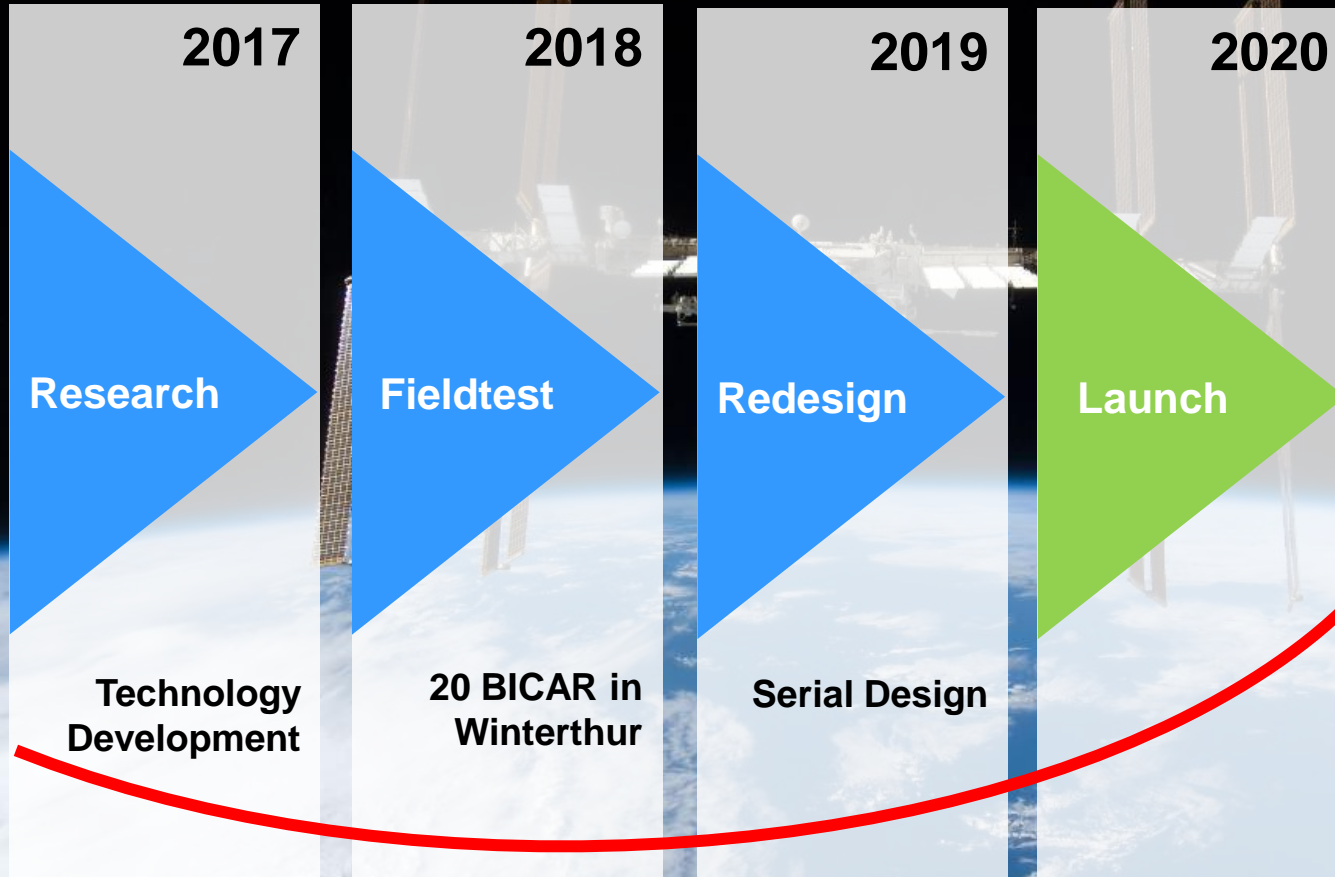
Sharing



Factor 9-20

Sharing Efficiency

Market launch in 2020



Key: Field test in a Swiss City with lead users to improve the system

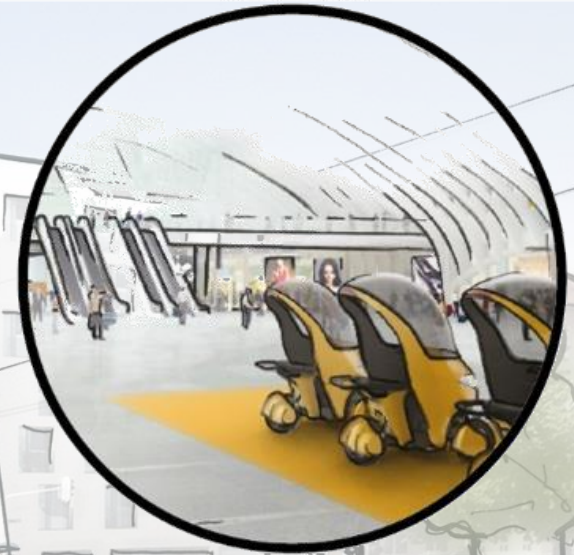
FIND



DRIVE



SHARE



share an idea - share BICAR – share your...

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