

Urban Mobility:

How fleets of shared vehicles could change our cities

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disruption

data

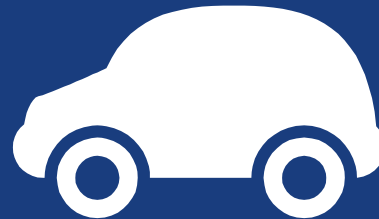


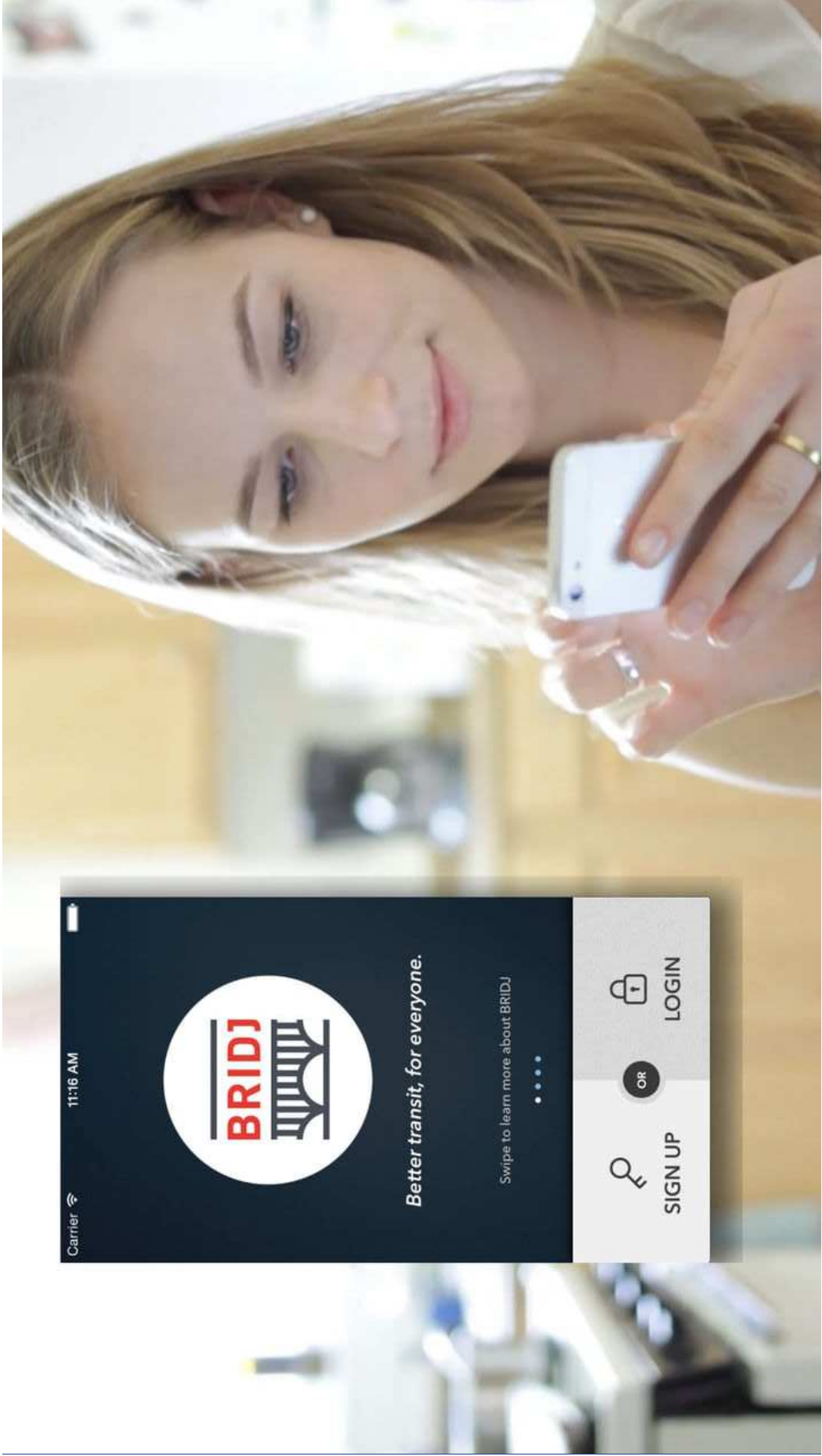
Urban Mobility: System Upgrade

Why

What we did

What we found





Carrier 11:16 AM



Better transit, for everyone.

Swipe to learn more about BRIDJ

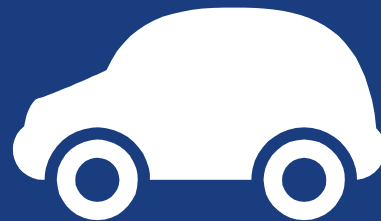


SIGN UP

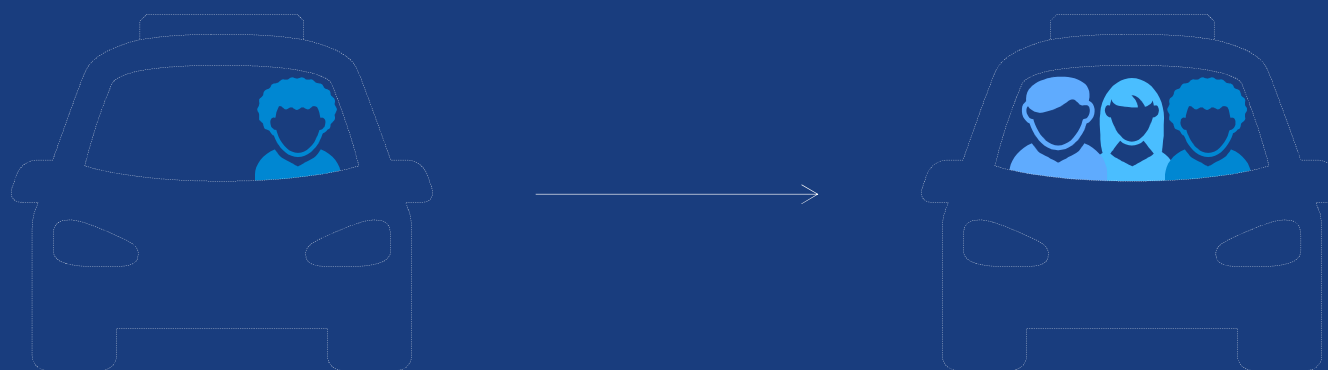
OR



LOGIN



sharing



what if?



The image features a dark gray, high-contrast map of a city grid, likely representing a dense urban area. The map is composed of numerous small, irregular shapes representing buildings and streets, creating a complex, textured pattern. A prominent horizontal band of solid blue color runs across the center of the image, partially obscuring the map. The text "real city" is overlaid on this blue band. The word "real" is in a white, lowercase, sans-serif font, and the word "city" is in a light green, lowercase, sans-serif font. The overall aesthetic is modern and minimalist.

real city



real* trips



real routes



same quality



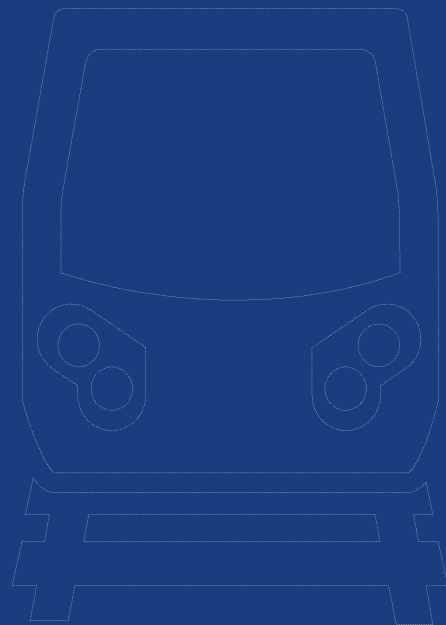
Shared "taxi"

simultaneous ride-sharing

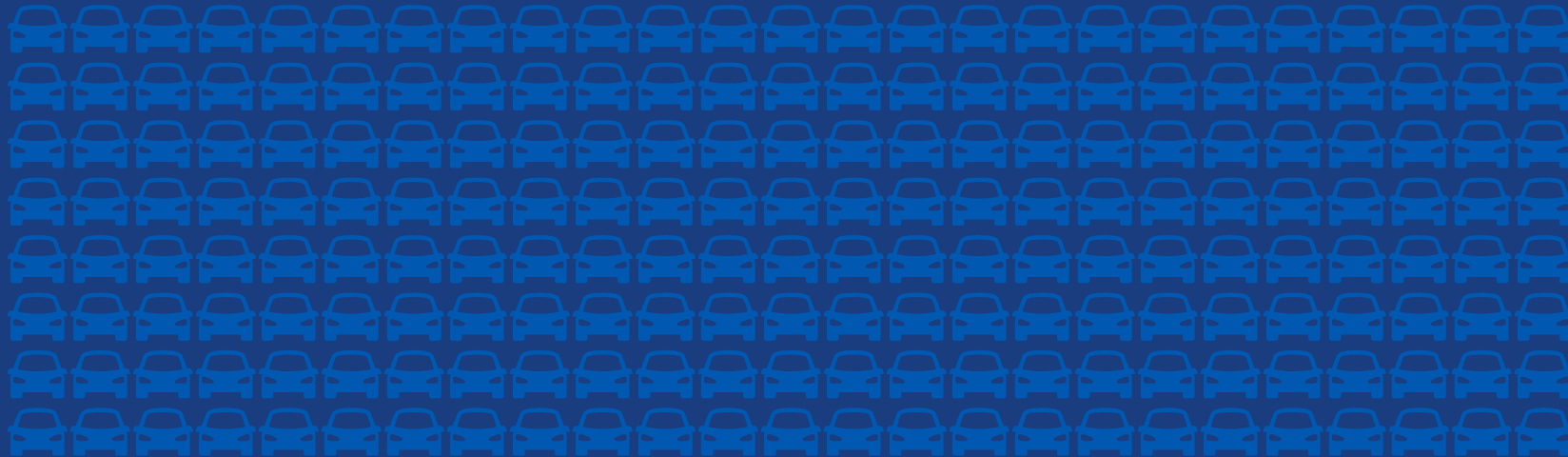


TaxiBus

optimised on-demand bus



high-capacity public transport



Scenario: 24 hours



Shared "taxi"
simultaneous ride-sharing

+



TaxiBus
optimised on-demand bus

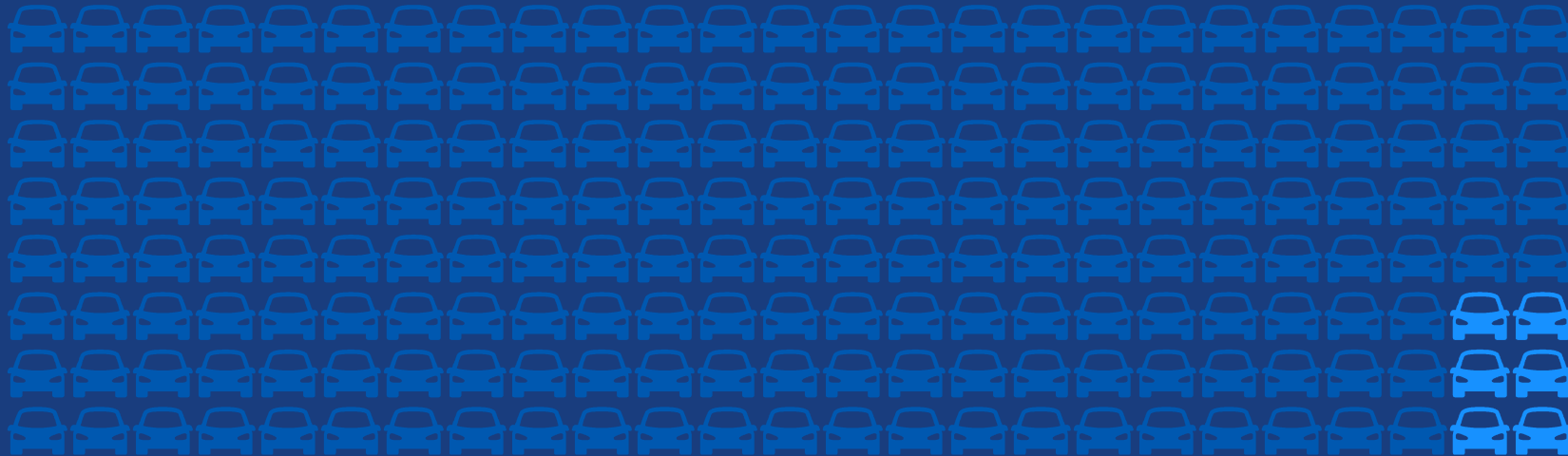
+



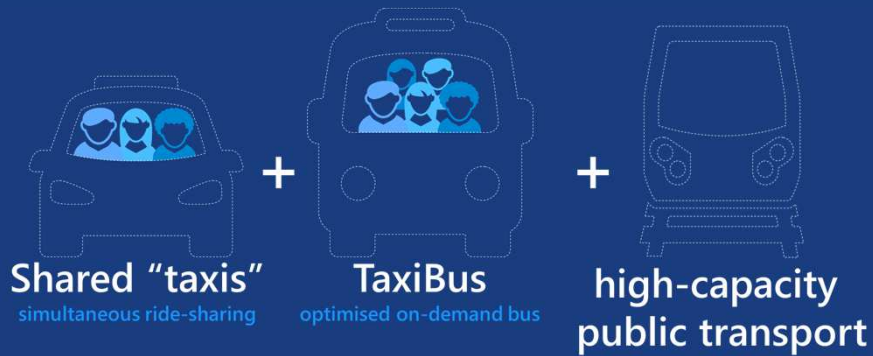
**high-capacity
public transport**



number of cars
required to provide the
same trips as before:



Scenario: 24 hours



number of cars required to provide the same trips as before:

3%

vehicle occupancy



Private cars

1.2



Shared taxis

2.0-2.6



TaxiBus

+568%



eliminate
all street parking



+20%

kerb-to-kerb street space

PARKING



PARK

ING











-23% to -37%

24 hr.

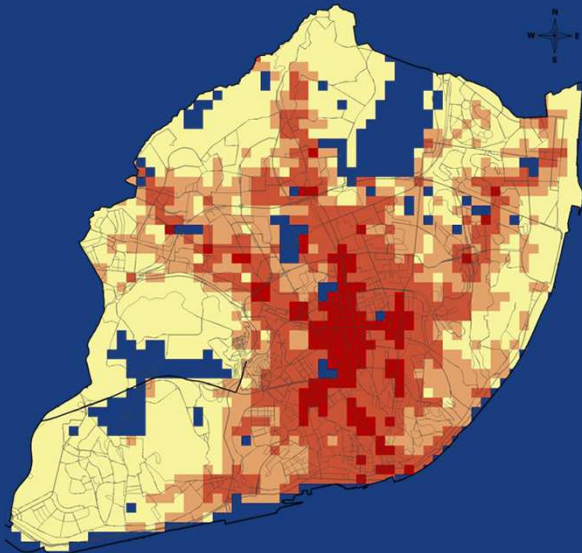
Peak hr.

vehicle kilometres

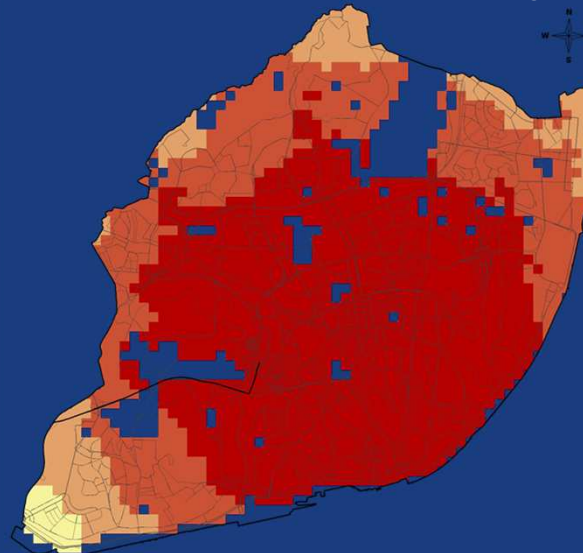
-34%
CO₂ emissions

Better and more equal access

Current public transport + walking



Taxibus + Metro + walking



Legend

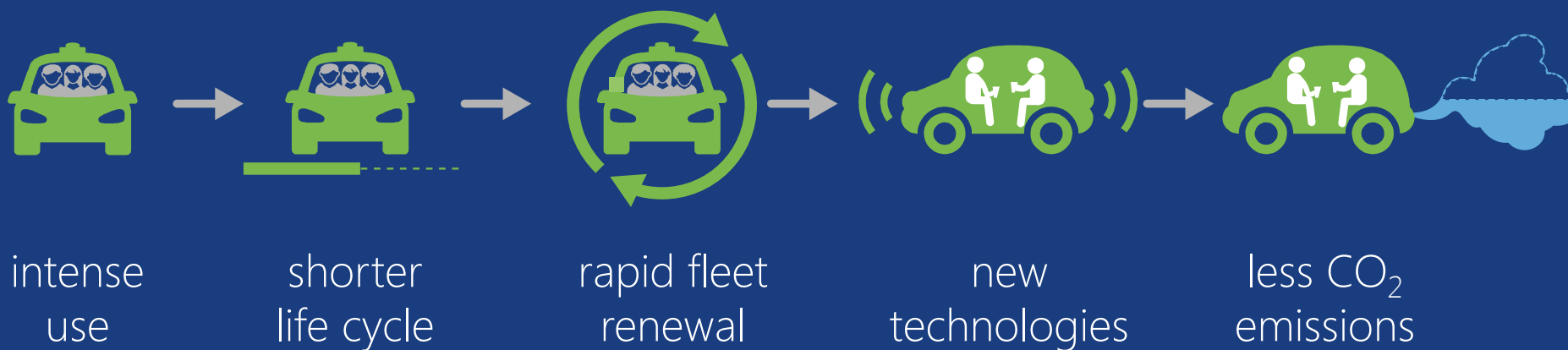
Classes of access by
percentage of total jobs

- 0% to 25%
- 25% to 50%
- 50% to 75%
- 75% to 100%

Compatible with electric vehicles?

- Results based on current technology
- Shape of demand curve allows very efficient adoption of electric vehicles (even with current batteries and autonomy)
- 30 min quick charge for 80% autonomy
- Optimization of quick recharge program allows full operationality without any increase of fleet size
 - Very low investment risk on the recharging stations given guaranteed demand

Shared mobility accelerates clean tech penetration



Policy insights:

Solutions for the key challenges are
within reach, with today's technology

Policy insights:

Few cities are anticipating transport
disruption

Policy insights:

Public transport, taxis and
governance must adapt

Policy insights:

Overall benefits linked to system and
market design

Policy insights:

Freed space must be managed to
lock-in benefits

Thank you

