



RTPI

Royal Town Planning Institute

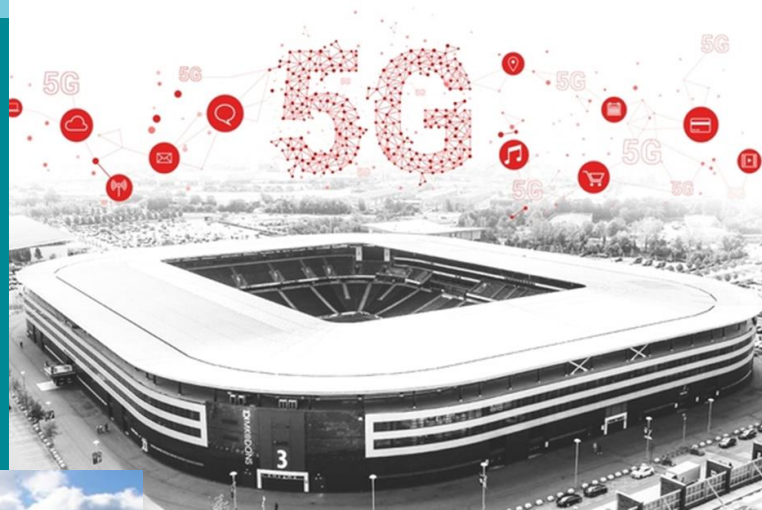
Young Planners' Conference 2022 Utopia or Dystopia?



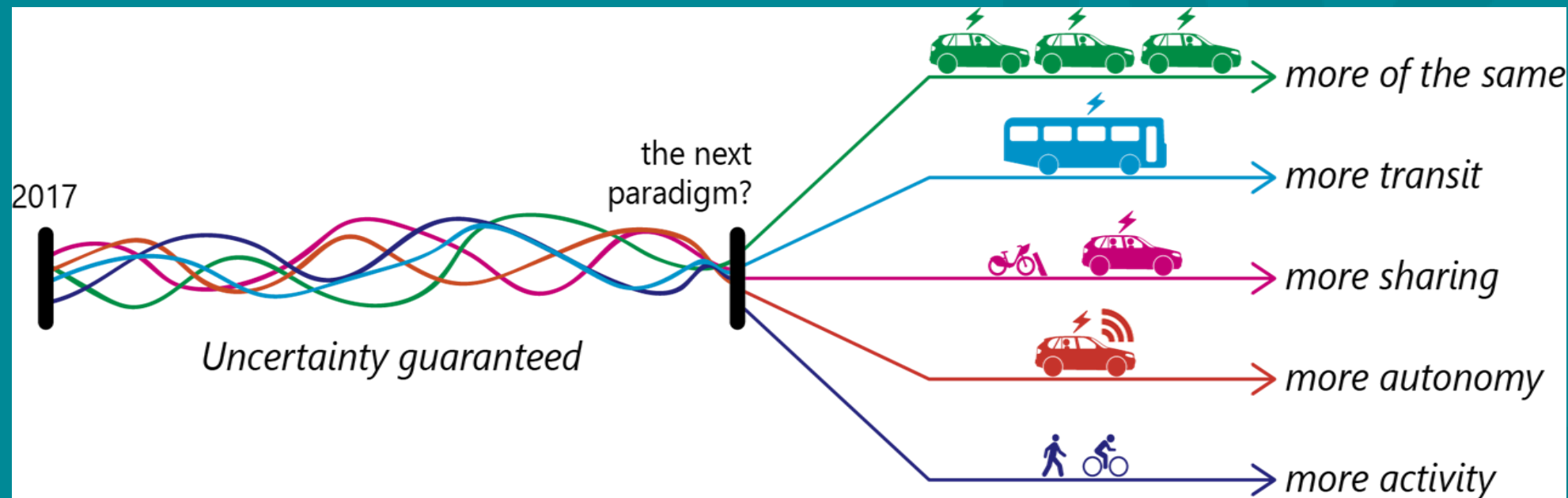
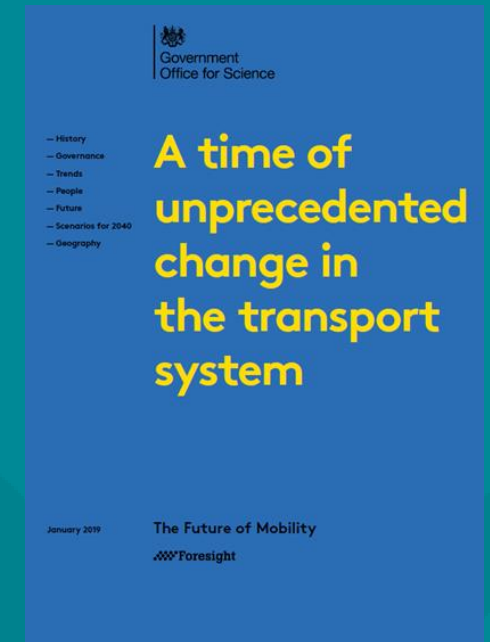
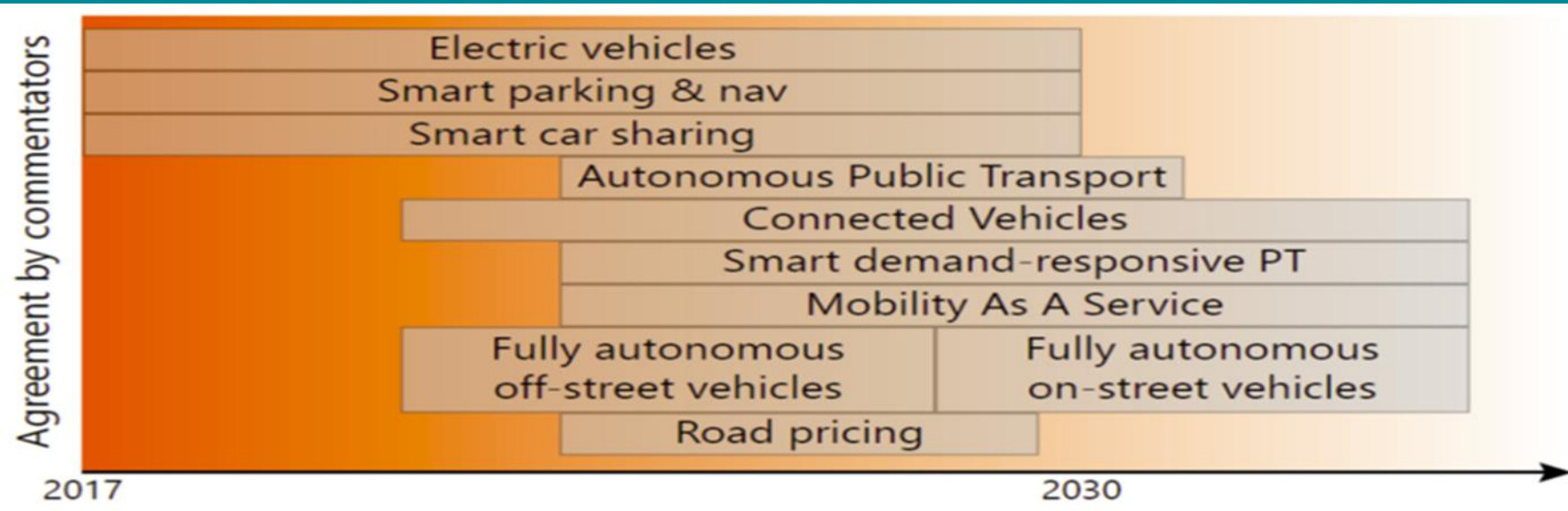
Milton Keynes : Approach to Future Mobility

Brian Matthews

Head of Transport innovation
Milton Keynes Council



The Future of Mobility for MK



Approach – Urban Laboratory



EV Charging



City Standalone 5G



Driverless Shuttle



Driverless pods



Wireless Charging



Logistics - robot delivery service



E scooters only multi operator

Adapted transport to fit the urban form?



Why Vehicle Automation ?

Priorities – Objective Driven

- Safety
- Capacity
- **Mobility /Service for all**
- Productivity



Driverless pods



Connected and
Autonomous
Vehicles



Logistics - robot
delivery service



Connected Services

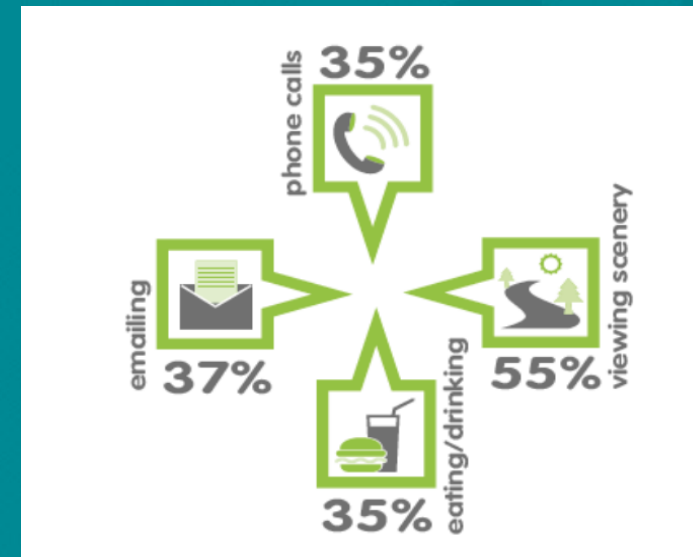
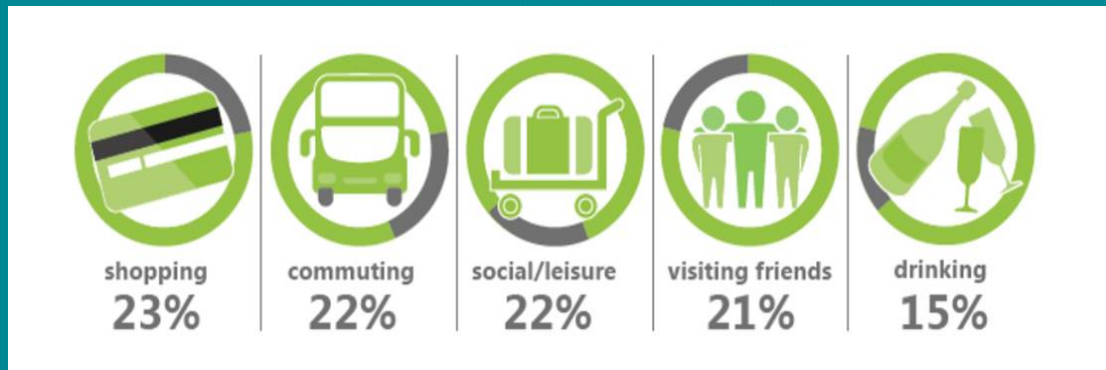
Deployed in MK to better understand
opportunities and drawbacks

Public Attitudes

Would you use a fully driverless vehicle?



How would you use a Self Driving Vehicle?



“... ..as they become familiar and capable, trust seems to develop”



Starship Robots

- 200 devices
 - Serving 50,000 homes
 - 1,000,000 miles
 - 265,000 kg carbon saved
 - 70% reported to be replacing car trips
 - Creating jobs in locality
 - Supported Covid response
 - Very Popular
- Launched now in Northampton, Cambridge with others to follow

<https://youtu.be/AbQN-a2d1s0>

Business Case?



Popular with users

Around 30,000 journeys per day in central MK in scope
Tech works but...

- Requires Safety controller
- Security of connections

Means

- Speeds are very low
- Labour intensive

No real business case until these issues solved





**Vision
Concept**



**Products
Services**



**Proof of
concepts Trials**



**Commercial
Deployments**

5G – Supporting Advanced Mobility



Council Leader Pete Marland

“This is another important step in Milton Keynes’ journey as a modern, sustainable and forward-looking city for the future. Smart city projects like ours can do a lot to inspire and empower other major venues around the world to create better, greener experiences for visitors and staff, and boost their efficiency. Yet again Milton Keynes will be leading the way.”

Overview....

Smart City Community Interest Co.

HOTEL LATOUR

CATAPULT Satellite Applications

CableFree

ANGOKA

spirent

K5G

centre:mk MILTON KEYNES

ECS

IMPERIUM DRIVE

milton keynes BUSINESS IMPROVEMENT DISTRICT

fPay

Get Around MK

UKRI Innovate UK

Centre for Connected and Autonomous Vehicles

ohmio

navya self-driving shuttle bus

milton keynes council



Thank You

