

October 2019

London: Innovation, Mobility and Regulation

Iain Macbeth

Former Head of Foresight
Transport for London



Mayor's Transport Strategy (MTS)



Supporting mode shift
away from car travel

Opening travel to all

Complementing the public
transport system

Creating a safe, attractive
environment on our
streets

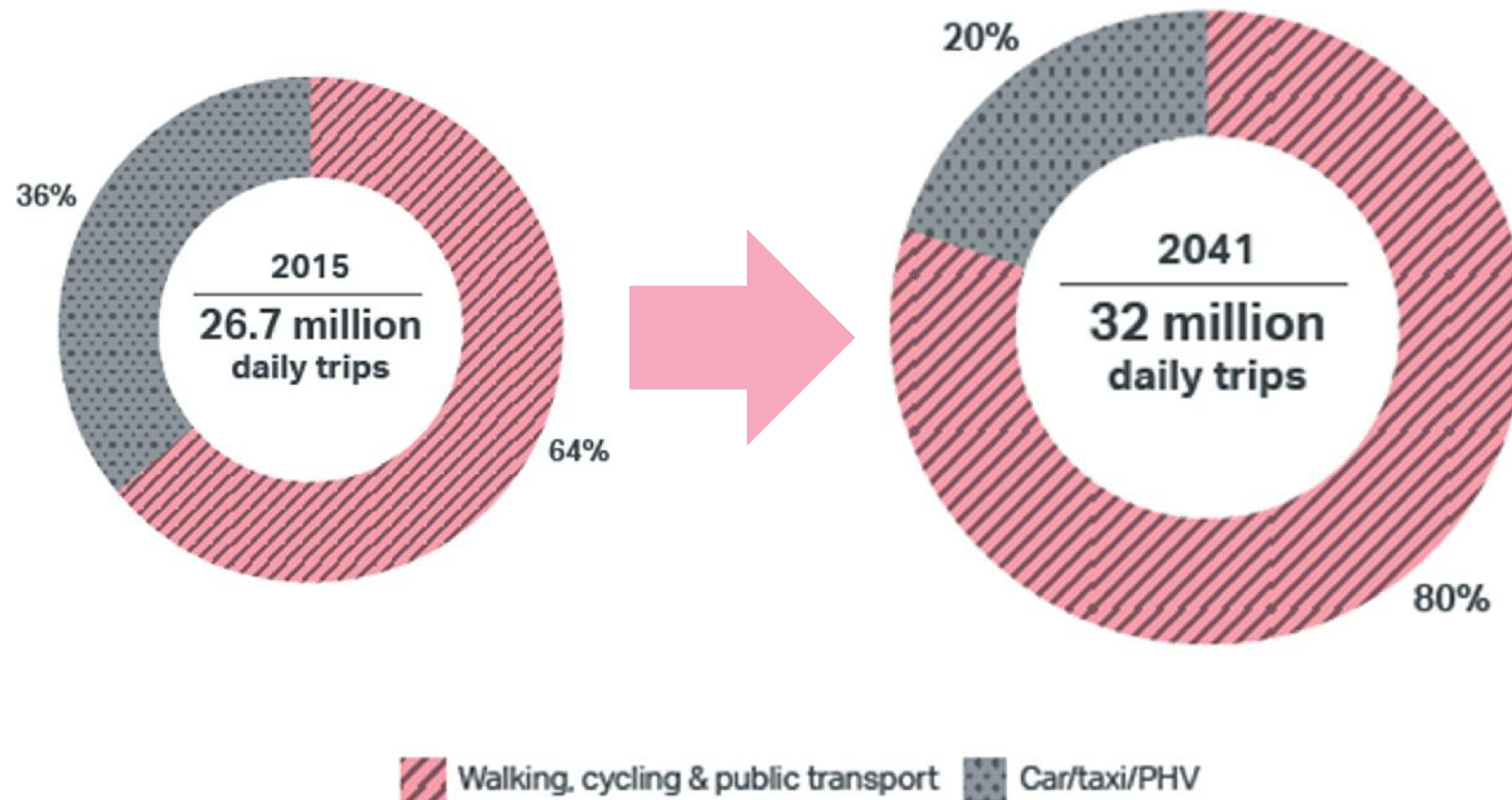
Sharing data and
knowledge

Using space efficiently

Cleaning London's air

3

By 2041, MTS aim is for 80% of Londoners' trips to be on foot, by cycle or using public transport



4

Transport for London focus on three challenges...

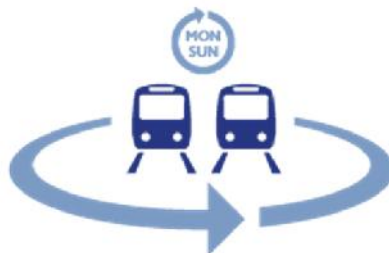
Today the population of London is **8.9m** and by 2030 it will grow to around **10m**. That's a rate of...



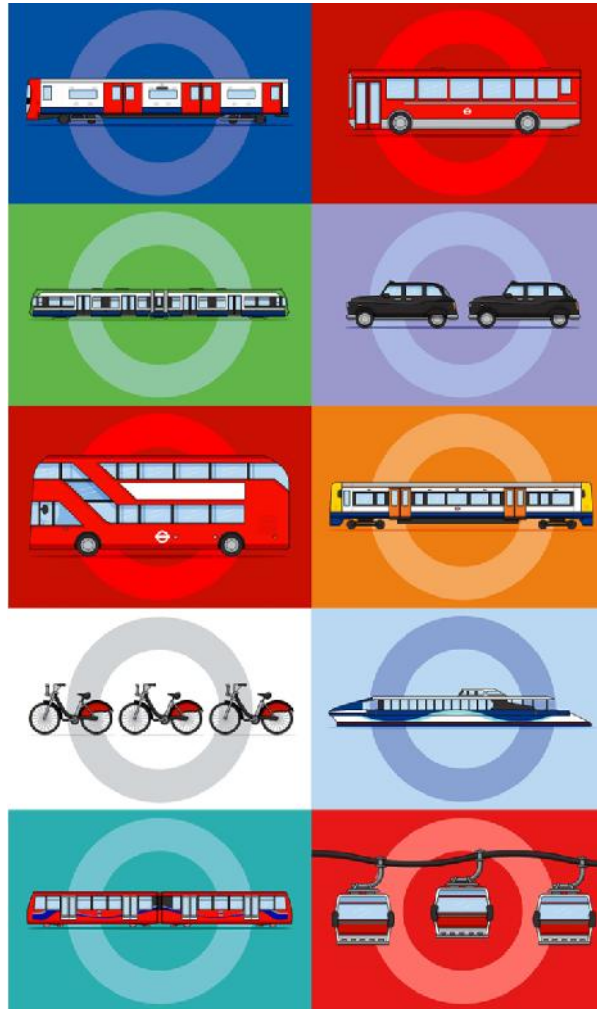
a full car every 26 minutes



or two buses every day

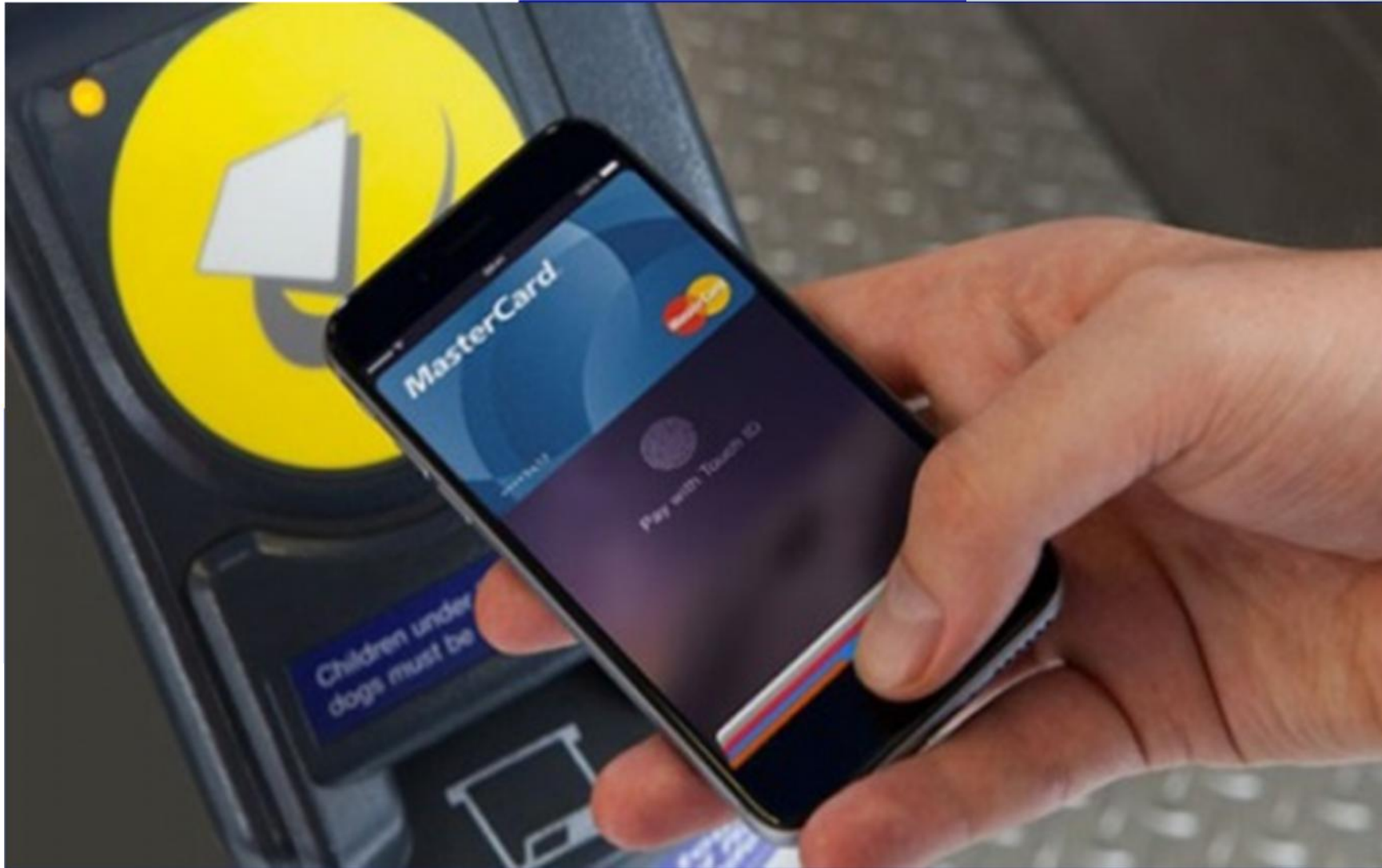


or two Tube trains every week



5

Setting the foundations...



How does TfL innovate?

Transport Innovation Directorate role is...

...to make sure transport in London is ready for the future.

“We actively seek out & assess new ideas & developments in the transport world, helping TfL to determine which new business models or services could help us address the challenges facing our city.”

“We engage with market innovators, test how new ideas could work for London and set the policy frameworks to ensure new innovations are integrated and work for all.”

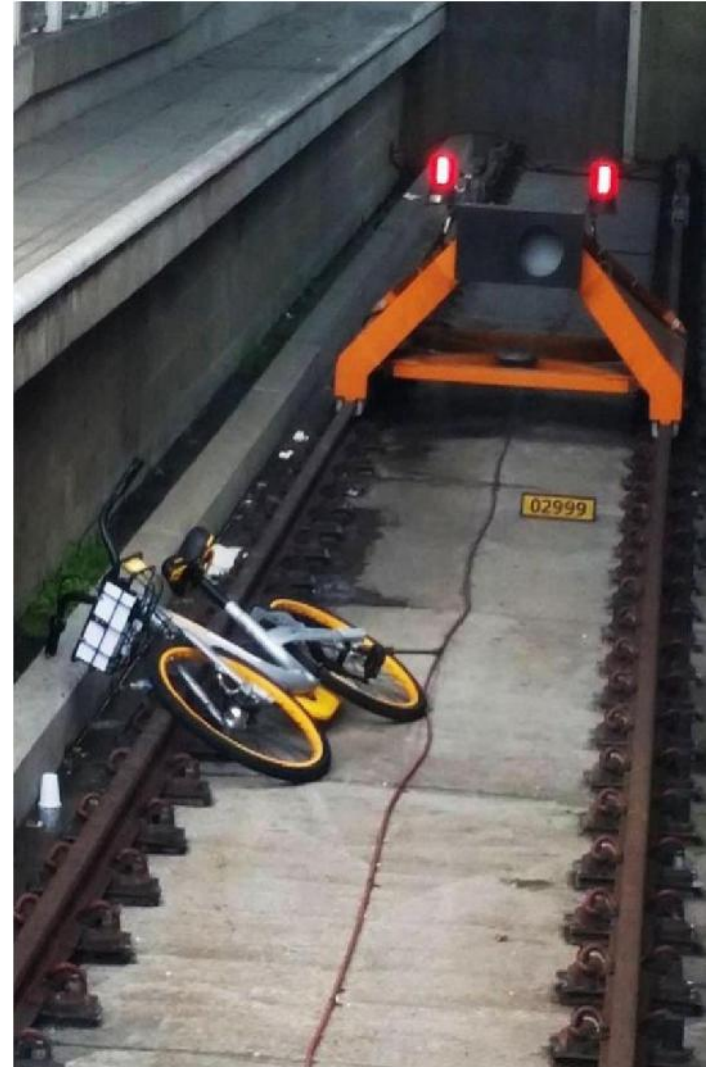
7

Theme 1 – dockless



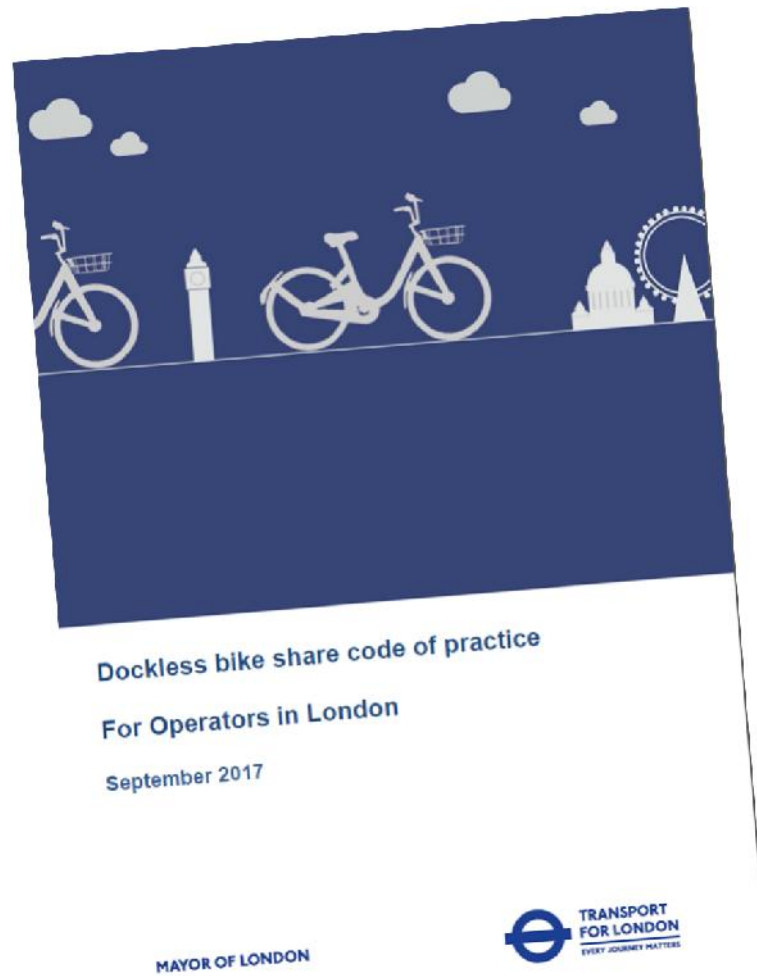
8

And then...



9

An approach to innovation...



.. but not forgetting safety and regulation...



¹¹

Theme 2 – the gig economy, from taxis.....



..to Demand Responsive Transit

Chariot



Citymapper



TfL, in partnership with Go-Ahead and Via



Theme 3 – Connected and Autonomous Vehicles

~\$100bn of investment in driverless cars ...

But why? ...



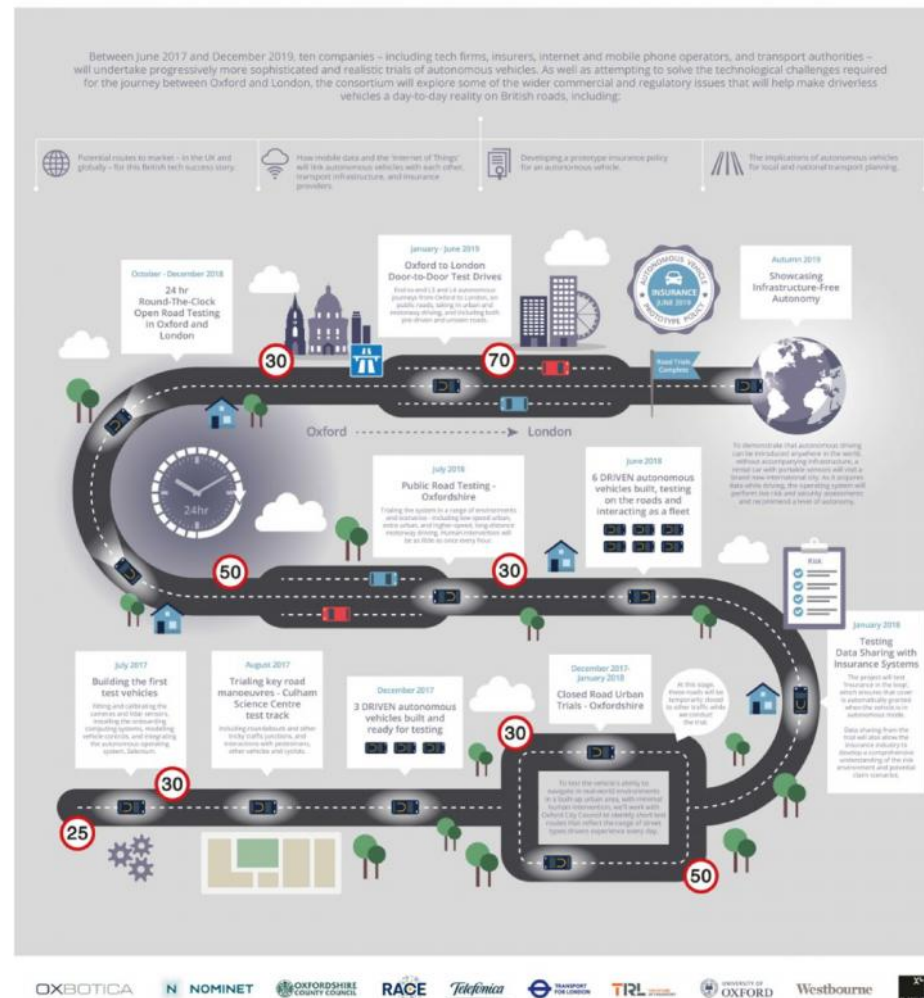
An emphasis on safety and learning...



A changing landscape...

DRIVEN

THE 'DRIVEN' PROJECT HAS AN AMBITIOUS AIM: DEVELOPING A FULLY AUTONOMOUS FLEET OF DRIVERLESS CARS THAT TRAVEL BETWEEN OXFORD AND LONDON



Theme 4 – Electrification



The London EV Taskforce (and other initiatives)



Mayor launches new taskforce to expand electric vehicle infrastructure

31 May 2018

ofgem

**LONDON
COUNCILS**

**UK
Power
Networks**
Delivering your electricity

**Energy
UK**

**sse
Enterprise**

**LONDON
FIRST**

SMMT
DRIVING THE
MOTOR INDUSTRY

**Office for
Low Emission
Vehicles**



**CROSS RIVER
PARTNERSHIP**



**Freight
Transport
Association**

Theme 5 – tech start-ups



"We believe that a close collaboration between mobility professionals from established companies, authorities and start-ups will accelerate the development of technologies, products and services that have a positive impact on city life."

"This collaboration with Bosch will allow us to work with the next generation of innovators and small businesses early on."

"By working with market leading innovators, we aim to tackle some of the crucial issues that the city faces, from greener and safer vehicles to encouraging more active lifestyles."



Thank you!

