



Connectivity and automation: Opportunity, challenges and the UK Response

接続性と自動化：チャンス、チャレンジ、そして英国の対応

Michael Hurwitz

Director, Energy, Technology & International

マイケル・ハーウィッツ

エネルギー、技術、国際部ディレクター

November 2014

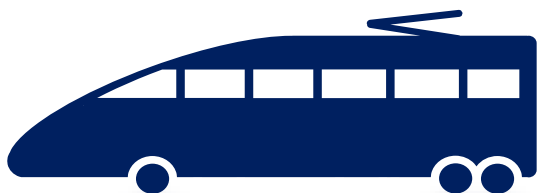
There are times when we shape the future... 未来を形作る時期がある...



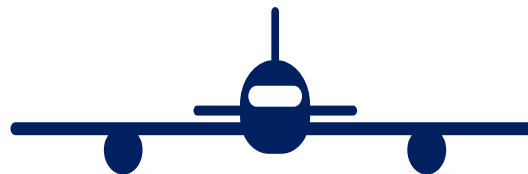
In the UK, as globally, future challenges are enormous

世界同様、英国でも今後の課題が山積み

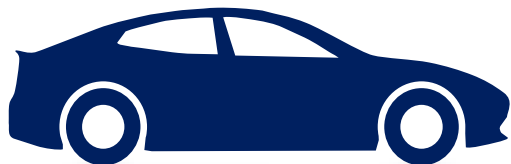
By 2025...



+38%



+35%



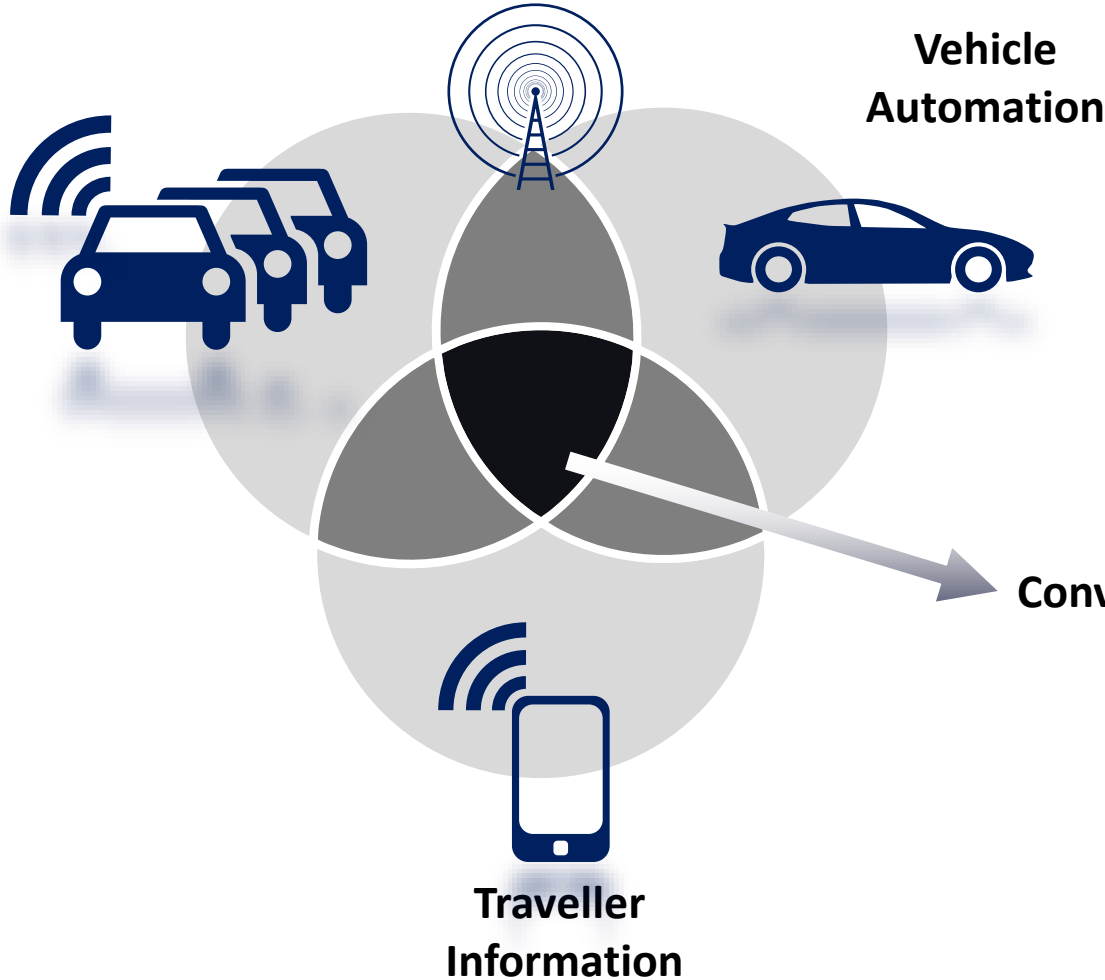
+24%



+16%

But we are not condemned to congestion & time wasting! しかし、渋滞や時間のロスを強いられるわけにはいかない！

V-to-V
V-to-I



Convergence can improve:



The UK: a unique environment for real world testing

英国：実社会でのテストをおこなえるユニークな環境



CONVENTION ON ROAD TRAFFIC
DONE AT VIENNA ON 8 NOVEMBER 1968



UK Regulatory review
December 2014



London:
Europe's only Megacity



Competitive
taxation



Diversity of weather
and topography

Active and increasing R&D activity 活発な、増大するR&D活動



Oxford University / Newcastle University
Real-world trials underway



Driverless / vehicle automation - up to 4 cities
Real-world trials and behavioural study



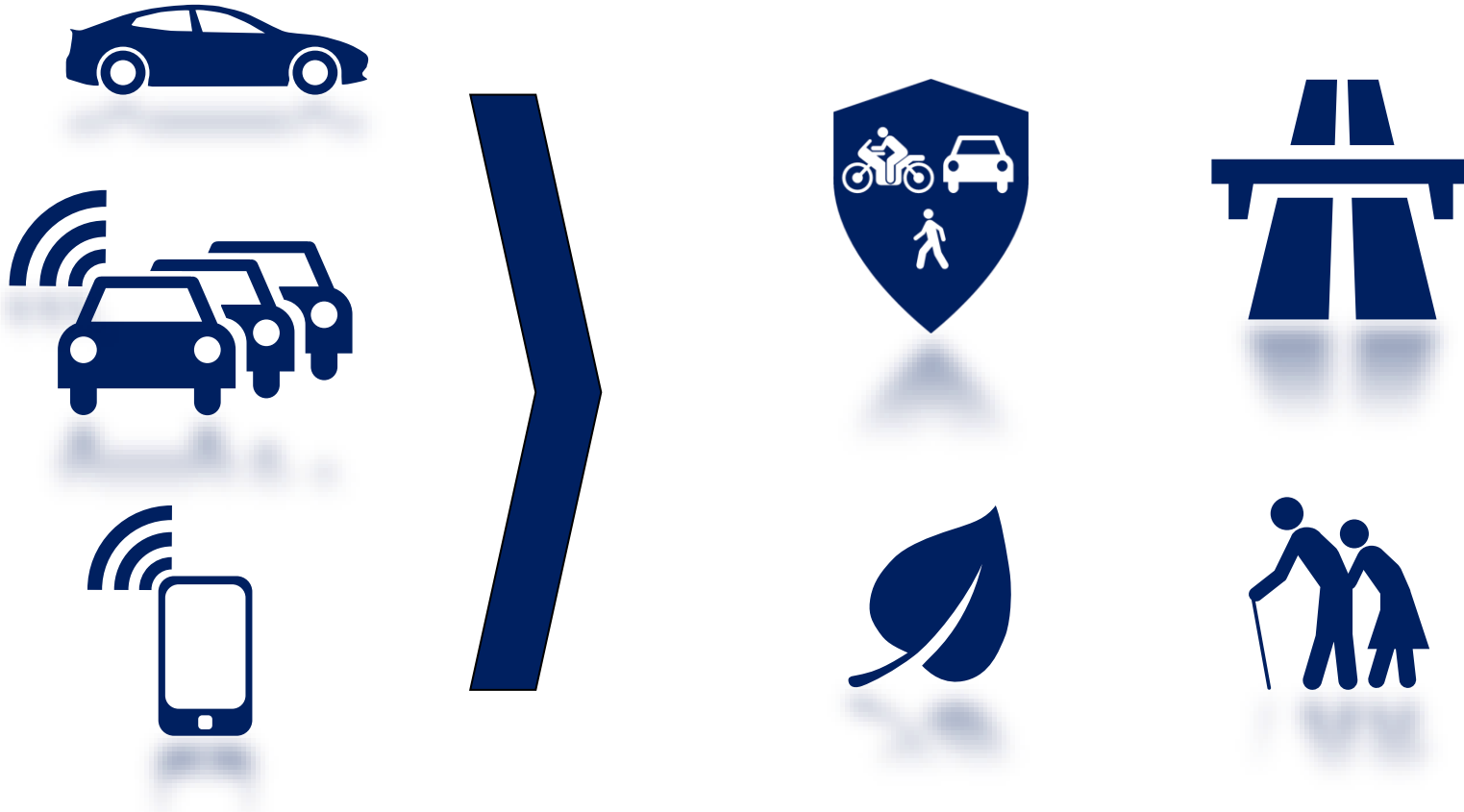
Real-world HGV platooning trials
2015



Government investing £200m (¥36bn)
in 7 technology innovation centres

Challenge 1: we must balance competing objectives

チャレンジ1: 相反する目的をバランスよく達成



Challenge 2: long-term considerations must not inhibit progress チャレンジ2: 長期的視野が当面の進展を阻害すべきでない



A final reflection: some things in the press we don't expect... 最後に振り返って: 起こり得ないから記事になるが...



2064

?

Thank you
ご清聴ありがとうございました



@michael_hurwitz



Michael.Hurwitz@dft.gsi.gov.uk