

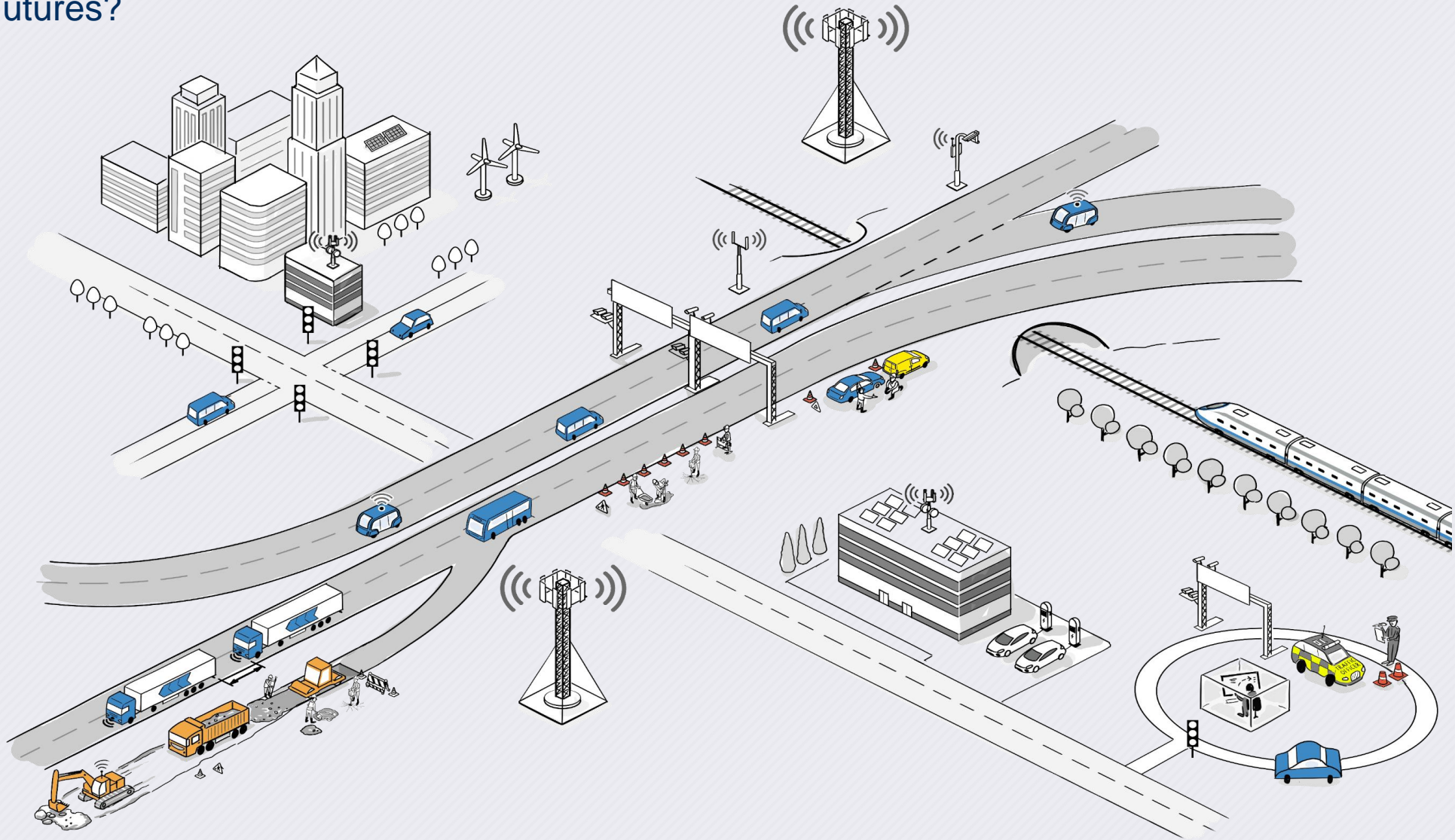


Cyber Futures

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Why Cyber Futures?



Changing threat, exposure, responsibilities

Roads are disconnected



Smart Motorways, traffic management



Connected and autonomous vehicles



Connected and Autonomous Vehicles

NOW 2025

NEXT 2030

LATER 2040+

All new vehicles have connected capabilities with C-ITS becoming critical to effective operation of the network. Physical signage and infrastructure is reduced.

Automated driving predominantly refers to SAE level 4 with level 5 trials in progress.

75% of new cars in the UK to have automated capabilities resulting in majority of vehicles operating on the network in automated mode.

KEY



Safety, Engineering and Standards



Operations



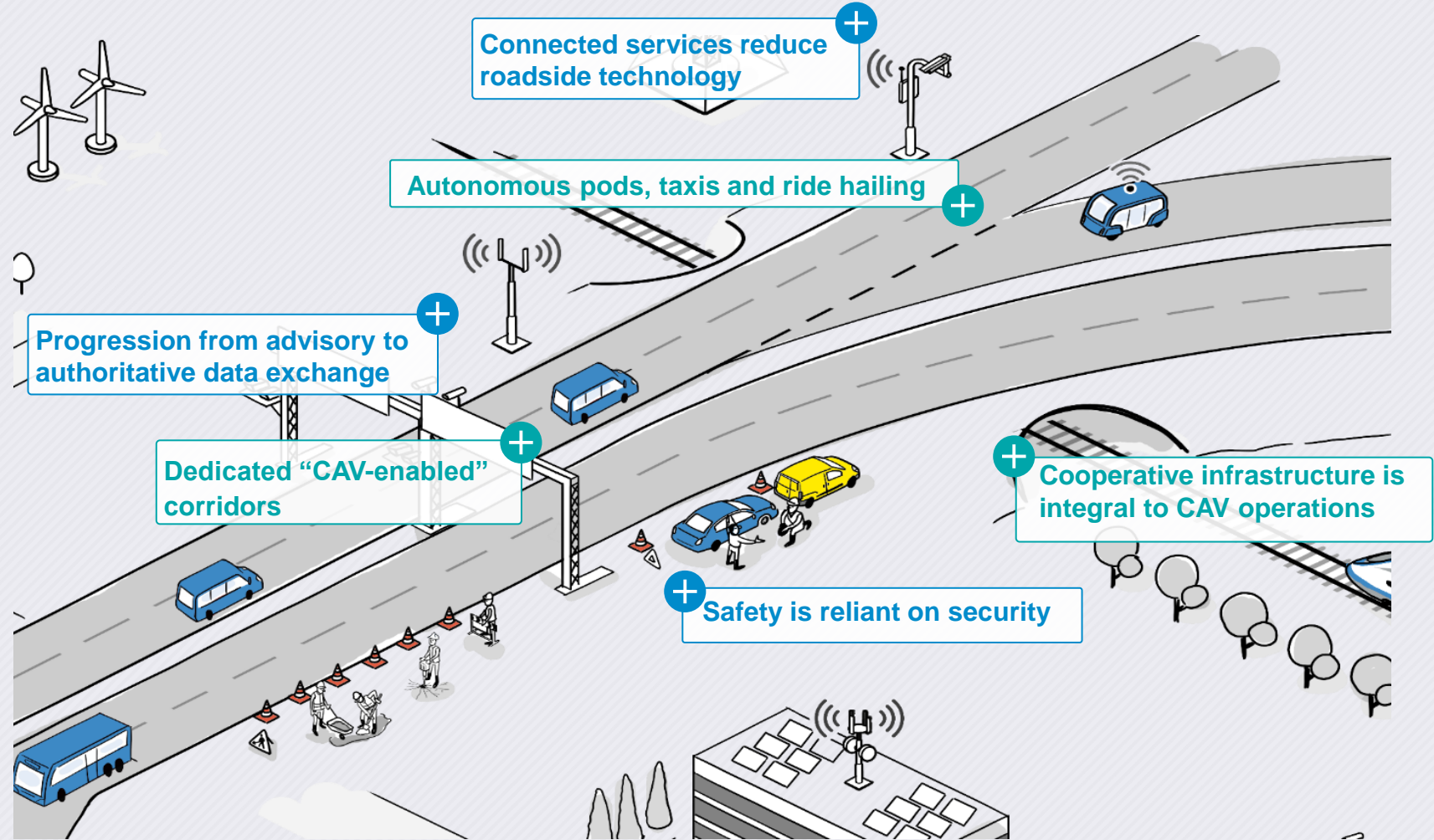
Digital Services



Customer, Strategy and Communications



Major Projects



Benefits



Improving safety for all



Providing fast and reliable journeys



A well maintained and resilient network



Being Environmentally Responsible

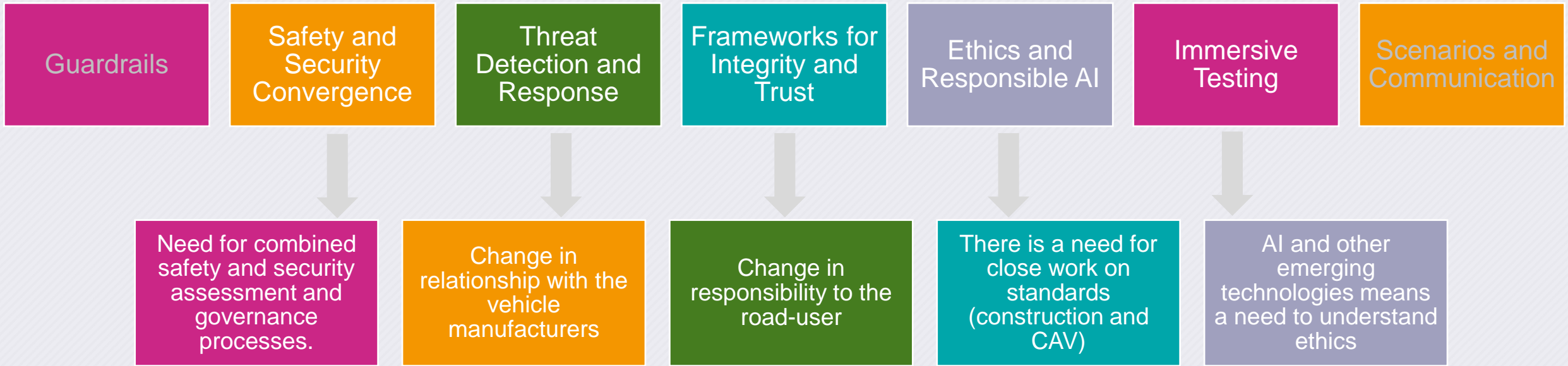


Meeting the needs of all users



Achieving efficient delivery

What have we done, and what are the outcomes?



Any questions?

How should we work
with manufacturers on
security?

How are manufacturers
approaching AI security,
digital twin security, and
other emerging
technologies?

Can National Highways
learn from vehicle
manufacturer
approaches to safety &
security?

How do manufacturers
see their responsibility
for infrastructure
security?

Thanks!