



UK Transport Vision 2050

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Invest

Convene the resources
needed, including our own



Innovate
UK

Involve

Bring relevant organisations
and people together



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EDGE



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Inspire

Make the opportunity
visible and compelling



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UK

UK Transport Vision 2050

What the transport system looks like in 2050, and the steps along the way

To...

- Inform Innovate UK's strategy and investments
- Influence investment and actions of others
- Stimulate discussion and increase alignment



AUGUST 2021

UK TRANSPORT VISION **2050**:
investing in the future of mobility



UK Transport Vision 2050

Informative, packed with detail, but concise

A bit more detail...

- >250 references and >200 contributors, bringing expert opinion to one place
- It's specific, forecasting market share of different technologies, with indications of confidence
- Complimentary to government policy documents

Infrastructure pathway

CERTAINTY

high

med

low

speculative

Transport
modes

Elements

2021 position

By 2050

Road

Energy / fuel

4,500 GWh / year for charging ^[54]

36,000 public EV charge points ^[7,32]

155,000 GWh / year for charging ^[54]

520,000 public charge points ^[32]

Our Vision

... is for a 2050 transport system that enables the movement of people and goods from one location to another through **seamless, safe, net zero, connected, cost effective, accessible and reliable means**

UK Transport Vision 2050

Six areas to achieve the vision:

1. Travel and transport demand
2. Connectivity
3. Energy vectors
4. Autonomy
5. Business models
6. Infrastructure.



UK Transport Vision 2050

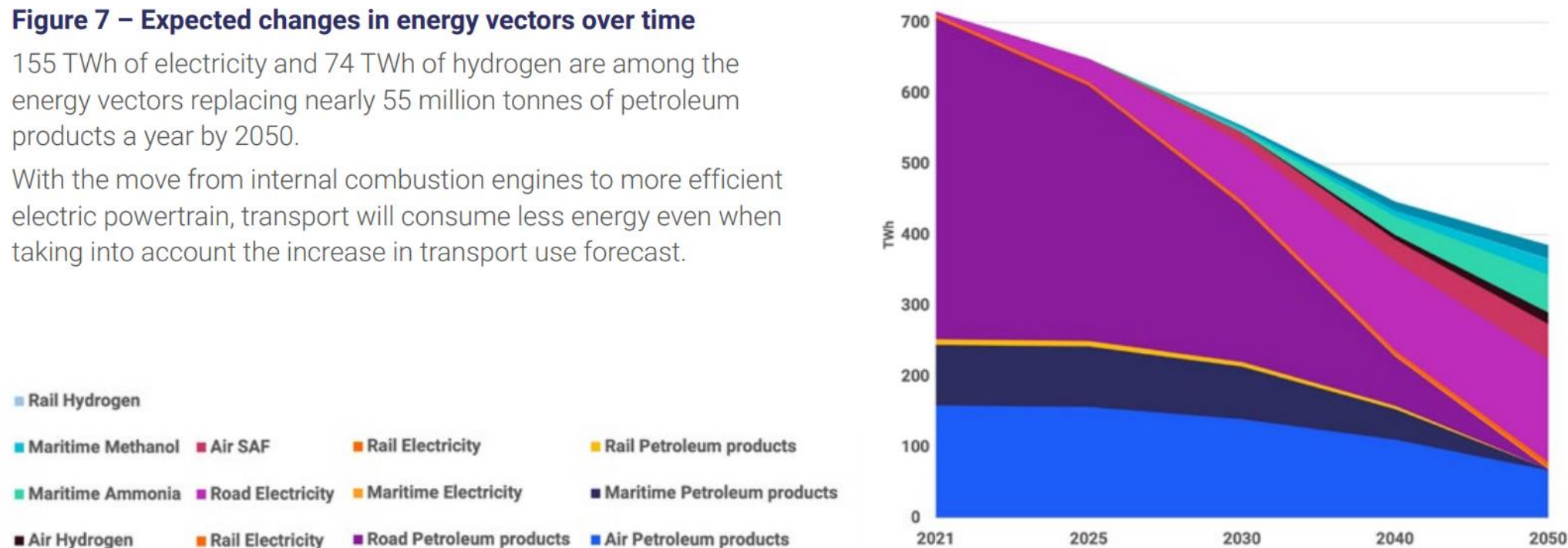
A bit of detail...

- Travel and transport demand, energy vectors and the resulting infrastructure
- But have we got it right?

Figure 7 – Expected changes in energy vectors over time

155 TWh of electricity and 74 TWh of hydrogen are among the energy vectors replacing nearly 55 million tonnes of petroleum products a year by 2050.

With the move from internal combustion engines to more efficient electric powertrain, transport will consume less energy even when taking into account the increase in transport use forecast.



UK Transport Vision 2050

From last-mile delivery drones to cooperative, autonomous vehicles to hydrogen powered aircraft.

Innovate UK offers a glimpse into the future with the Transport Vision report. It provides an in-depth study that sets out what the UK transport system may look like in 2050 and outlines the steps required to get there.

Download and use the **UK Transport Vision 2050**

<https://www.ukri.org/news/innovate-uk-launches-uk-transport-vision-2050/>

"The UK Transport Vision 2050 will inform investment decisions to radically change the transport sector over the next 30 years."

Indro Mukerjee - CEO, Innovate UK



The UK Transport Vision 2050 is a living report, which will evolve over time. Please share your feedback so we can improve.

<https://www.surveymonkey.co.uk/r/transportvision2050feedback>

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