The Next Wave of Automated Vehicles

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Why self-driving?

ECONOMY

Drives new economic growth and job creation opportunities

JOBS — 38,000 new green jobs in a UK industry worth £42 billion by 2035

SAFETY

Reducing accidents caused by human error and saving the NHS money.

SAFER — Every 22 minutes someone is killed or seriously injured on UK roads.

Road traffic accidents cost the NHS £2.3bn in 2022.

CLIMATE

Creating cleaner streets and helping the UK achieve net zero

GHG — AVs can result in 10% greater reduction in emissions due to changes in travel patterns and vehicle ownership

What is self driving?

- A self-driving vehicle, otherwise known as an automated vehicle (AV), is a vehicle that uses a combination of sensors, such as cameras and radar, and software to drive itself without human intervention.

- Two types defined in the UK:
  - User-In-Charge'
  - 'No-User-in-Charge'

The Automated Vehicles Bill

- A new, rigorous safety framework for AVs.

- Competent and careful is an internationally accepted standard—higher than that of the average human driver.

- No changes to infrastructure or VRUs behaviour.

- High bar for authorisation.

How will AVs impact cyclists and pedestrians?

No Human Error

85% of road traffic accidents involve an element of human error.

No Aggression

17% of drivers surveyed admitted using their car to deliberately block a cyclist.

Improved Safety

Drivers responsible for nearly **75%** of collisions involving cyclists.