



Energy and climate change
Air and environmental quality
Risk management and due diligence
Resource efficiency and
waste management
Sustainable transport
Innovation and knowledge transfer
Sustainability

Sustainable transport

AEA's expertise in sustainable transport ranges from research and policy advice on emissions and lower carbon vehicles/fuels across all modes, through targeting vehicle fleets with better management and driving practices, to encouraging behaviour change, managing the demand for travel and encouraging walking and cycling.



“We have an in-depth understanding of current and future environmental challenges facing the transport sector”

The new paradigm for transport was made very clear in 2006 by the Stern and Eddington reviews. Growing congestion in urban areas is costing the UK economy money - Eddington estimated that, unchecked, it would amount to £22 billion by 2025. Ultimately, the climate impacts of emissions from transport could be even more costly.

Transport accounts for 23% of UK carbon dioxide (CO₂) emissions and is the sector identified by Stern as the most difficult in which to reduce emissions. More recently, the Government-commissioned King Review of Low Carbon Cars identified the technological options that will be necessary to reduce the CO₂ impacts of road vehicles.

In the short term, making transport more sustainable will require greater efficiency in the ways and means by which we travel - more efficient fuels and vehicles, and rapid adoption of the latest technology. In the long term, to maintain our standard of living on a crowded island, the challenge in transport is to decouple ‘accessibility’, our ability to access the goods and services we want, from ‘mobility’, the ability to travel anywhere, anytime.

AEA offers its customers technical, strategic and implementation services across the full spectrum of sustainable transport solutions - from research and policy advice on emissions and lower carbon vehicles/fuels across all modes through targeting vehicle fleets with better management and driving practices, to encouraging behaviour change, managing the demand for travel and encouraging walking and cycling.

Understanding the market context

While congestion remains a major area of concern for transport, carbon management has joined it as a key driver in this market over the last two years. To

tackle these crucial issues, AEA understands that a combination of technical solutions and behavioural change programmes is essential if the carbon savings from improvements in fuels/vehicles are not to be swallowed by an increased demand for travel.

Our principal services

AEA manages the National Atmospheric Emissions Inventory (NAEI) on behalf of the UK Government. Through this work, we are responsible for providing Government with annual official estimates of emissions from all sources, including the transport sector. Our unrivalled expertise in this area means that we are uniquely placed to be able to provide our clients with access to the UK’s leading experts on transport emissions. Furthermore, this expertise is backed up with detailed technical knowledge and expertise on the costs and benefits of current and future low carbon fuels and vehicle technologies. We combine this with a long track record of implementing programmes that deliver practical change on the ground including freight/fleet efficiency measures and travel planning.

Best-in-class resource capability

Our 40-strong sustainable transport team comprises scientists and engineers, policy specialists and behavioural change experts, all of whom have leading-edge technical expertise. We work closely with the logistics sector, the aviation industry, railway operators and many other transport-sector stakeholders, providing advice and support across a wide range of areas. At the strategic level, our ongoing input to policy analysis and development means that we are able to provide our clients with a comprehensive understanding of the current and future environmental challenges facing the transport sector.

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