



The Decarbonising Transport through Electrification (DTE) Network+ is a £1M EPSRC-funded multidisciplinary project addressing the challenges of implementing an electrified, cost-effective, and holistically operating transport sector for the UK.

Work-streams include vehicles and technologies, charging infrastructure, electricity as a fuel and smart mobility <https://dte.network/>



The EPSRC-funded Interdisciplinary Doctoral Training Hub in Sustainable Transport is led by cross disciplinary partners and schools within Cardiff University in collaboration with leading industrial stakeholders and policy makers.

The Hub offers a unique programme that provides a holistic understanding of the entire transportation industry. This approach is key to developing you as a future leader in sustainable development, whether you choose to pursue a career in industry or academia or both. <https://idth-sustainable-transport.org/>



The Sustainable Transport Crosscutting Theme is working in collaboration with colleagues from Computer Science, Psychology, Mathematics, the Business School and Geography and Planning.

Research covers a broad range of themes but aims to bring these together in order to apply a holistic approach to developing an integrated Sustainable Transport system. This integrated approach addresses short, medium and long-term challenges covering the supply system, future charging infrastructure and associated vehicle technologies.

<https://www.cardiff.ac.uk/engineering/research/cross-disciplinary-research/sustainable-transport>



Centre for **Climate Change** and **Social Transformations**

The CAST Centre looks at ways to address our reliance on cars, and choices and expectations around aviation.

We are working with Cardiff City Council to test interventions with households. Research will look at the lessons to be learned from towns and cities to be able to move to more sustainable approaches to travel. With NGO possible, CAST will explore how workplace initiatives can reduce air travel.

<https://cast.ac.uk/transport-and-mobility>



Featured Project: "Transport policy interventions to curb particulate matter emissions in Chandigarh"



With our Indian partners at Birla Institute of Technology and Science (BITS), Pilani, we are investigating the links across transport, public health and environment within the formal and informal transport system of Chandigarh, one of the most polluted cities in India.

Cardiff University Transport Network and Centre

Transport Futures Research Network

- A Cardiff University-wide research network with expertise spanning geography, engineering, psychology, computer science. Associated researchers conduct research on autonomous and electric vehicles, smart grids, vehicle to grid, car sharing, transport modal choices, in-vehicle human-machine interface and vehicle simulation <https://www.cardiff.ac.uk/research/explore/research-units/transport-futures-research-network>

Electric Vehicle Centre of Excellence

- A multi-disciplinary centre bringing together experts from the schools of engineering, business, psychology to investigate and help address the remaining barriers to the widespread introduction of electric vehicles. <https://www.cardiff.ac.uk/research/explore/research-units/electric-vehicle-centre-of-excellence>