**UCL consulting capabilities:**

**Transport**

Delivered by UCL Consultants Ltd

At UCL our transport work focuses on bringing positive impact to people’s quality of life. This includes all aspects of transport: sustainability, safety, accessibility, promotion of health and wellbeing, equitability, and efficiency. We have a particular interest in policy, as governance has such a significant impact on the success of transport initiatives.

**CONSULTING WITH EXPERTS**

UCL is seventh in the world’s top ten universities (QS Rankings 2015) and the UK’s top-rated university for research strength (REF 2014). With over 6,000 academic and research staff, £1 billion turnover, and students from 150 countries, we are London’s Global University.

UCL Consultants is a wholly-owned subsidiary of UCL.

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Transport themes:
- design: from rail to ship
- mapping, modelling, simulation
- resilience, sustainability, accessibility
- safety and security
- planning and engineering
- urban transportation
- human behaviour and factors

Specialist testing facilities:
PAMELA is a multisensory laboratory for the assessment of pedestrian movement, specialising in transport environments. This multidisciplinary centre allows full-scale models to be built and tested in a safe but realistic manner. The image left shows the testing of a tube train layout, with people simulating the boarding and alighting of the carriage.

Our accomplishments include:
- The UCL-developed ‘Link and Place’ street classification scheme has helped bodies such as the Department for Transport, Transport for London and the South Australian government to analyse and plan road investment.
- UCL researchers developed an integrated decision-making framework and model for EUROCONTROL, the European air traffic management organisation, to help evaluate and select technological enhancements to the European air traffic management system.
- UCL helped the Arizona Department of Transport include meteorological factors in their environmental noise modelling, leading to new guidelines and designs in freeway noise barrier design.

Services and capabilities offered:
- modelling and simulation
- policy and strategy review
- briefings on the current state of the field
- R&D design support
- bespoke training
- testing and analysis

UCL brings together:
- unique testing facilities
- world-class expertise
- cross-disciplinary transport knowledge