

Projects

The Energy Systems Integration Laboratory (ESIL), works on a range of projects including:

- Department for Transport – Calculation of Energy Consumption
- Phase 1 – Intercity Express Project (IEP)
- Phase 2 - DMU (Class 150 and Pacer replacement)
- Department for Transport – Discontinuous electrification
- Department for Transport – Evaluation of novel train propulsion systems
- Mersey Rail – Evaluation of Energy Saving Strategies (inc. driver variance)
- EC – Environmental Management Tools for Infrastructure Managers (InfraGuider)
- Atkins – Multi-train Simulator Development
- KTP (Atkins) – AC railway power network simulator
- PhD Student – Improving Regenerative Braking Systems
- PhD Student – Optimised Supervisory Control for Hybrid Rail Vehicles
- PhD Student – Cost modelling for future propulsion systems
- MPhil Student – Measurement and monitoring of battery systemsInstrumentation