Doctoral Landscape Award (DLA) project

Professor Adam Hawkes

October 2027 start

Structural and data-driven agent-based modelling of energy system change

Energy systems around the world are changing rapidly, propelled by cheaper renewable energy and increasingly cost effective energy storage. Modelling these systems is moving from planning towards implementation, where market structure and targeted support shape outcomes. This project will develop the next generation of systems modelling approaches designed to guide technology, market and policy decisions. New sectoral models will be linked with our existing models, drawing on engineering and economics-informed principles and data-driven (AI/ML) insights.