



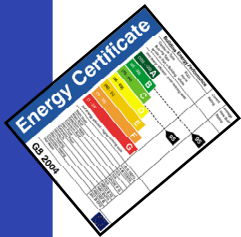
BUILT ENVIRONMENT - ENERGY CAPABILITY

Tate Consulting Engineers' *Energy Division* operates throughout the UK from local offices and offer a fully integrated energy consultancy to a wide portfolio of clients across a broad range of sectors.



In order to meet our clients' needs and expectations we provide a comprehensive portfolio of services ranging from the assessment of projected life-cycle energy consumption, at the design stage, through to comprehensive energy audits and energy reduction initiatives on existing and operational sites.

Energy Services



Energy Issues

- Site Energy Audits and Reporting
- Energy Reduction Initiatives (& Subsequent Energy Reduction Projects)
- Energy Monitoring and Targeting & aM&T System Specifications (automatic Metering) including a review of existing, collected data, with suggestions for change,
- BEMS/BMS Specifications & Control System Effectiveness Investigation
- Site Investigations (including Plant Investigation and Resolution)
- Application of Variable Speed Drives & Application of Variable Flow Technology
- Geo-thermal Energy – Ground Source Heat Pumps – Under-floor heating
- Thermal Storage Solutions
- Energy Awareness Campaigns
- Lighting Energy Reduction Schemes
- Indoor Air Quality Management



Ecological Issues

- Legislative Compliance Issues (Part L), BREEAM,
- EPC (Energy Performance Certificates)
- Water Usage Reduction Initiatives including Rainwater Harvesting
- Fuel Replacement Exercises (Cost and/or Carbon priority)
- Bio-Mass Boilers
- CHP Installations
- Carbon Emission Reduction Schemes
- Solar & Wind Power Solutions
- Waste Energy Recovery

