

BUILDING SUSTAINABILITY AND COMPLIANCE

Multi-disciplinary Stroma is rapidly emerging as an authority on building sustainability and compliance, with a scope of services designed to assist all sectors in reducing CO₂ emissions, meeting energy performance targets and complying with legislation. Whether for new build or refurbishment projects, Stroma can adopt a co-ordinated approach to deliver the required consultancy, assessment, testing and accreditation seamlessly and efficiently.



Energy assessment

Stroma has extensive experience in carrying out the CO₂ emission calculations based on SAP 2005, SBEM or DSM which are required to demonstrate compliance with Building Regulation Parts L1A and L2A.

We are also one of the UK's largest providers of Energy Performance Certificates (EPCs) and Display Energy Certificates (DECs), required under the European Energy Performance of Buildings Directive (EPBD). Extensive knowledge of buildings and applicable regulations enables us to offer free initial consultations, whether for single building engagements or large property portfolios and construction projects. Our in-house team of accredited energy assessors is then fully equipped to carry out the energy assessments required, having worked with a diverse client portfolio, from local authorities and housing associations to corporate recovery specialists and government ministries. Moreover, we offer advice

and assistance for implementing the energy-saving measures outlined in the Recommendation Report.

Energy monitoring and targeting software

Stroma is exclusive partnering consultant with SystemsLink, an industry-leading provider of energy monitoring and targeting software.

The SystemsLink Energy Manager Software allows monitoring of all utilities - including gas, electricity, water, oil and solid fuels - and enables identification of energy wastage or overspend on an unlimited number of sites.

Data can be entered either automatically or manually, and the software can link to smart meters, AMR and BEMS or obtain data directly from suppliers (by EDI, spreadsheets etc.).

Once data is recorded in the software, it proves an invaluable resource, forming the basis for trend analysis

and previous year comparisons; comparisons against benchmarks or targets; and ranking of sites based on best or worst performance.

Stroma provides training for your organisation to install and use SystemsLink Energy Manager Software. Furthermore, we can use our specialist skills and experience with the software to undertake detailed data analysis, generate energy management reports and offer practical guidance for securing significant energy savings and financial benefits.

Energy management and carbon reduction consultancy

Stroma offers a range of key consultancy services for energy management, carbon reduction and the feasibility of renewable energy technologies.

Our multi-disciplinary team of consultants can guide organisations through the mechanisms of CRC compliance and data submission as a minimum, but can also formulate a bespoke strategy for reducing CO₂ emissions incorporating all, or a combination of, the following: due diligence energy reports, feasibility studies, energy audits, CO₂ emissions forecasting, life cycle costing and condition surveys.

Current clients include large national property consultants and managers, local authorities and M&E consultants.

Certification and training

Stroma Certification is approved by CLG (Department for Communities and Local Government) to train, accredit and support energy assessors, CSH assessors and air-conditioning inspectors. We are also approved by BINDT to train domestic air tightness testers.

We have rapidly risen to the forefront of the accreditation sector due to our active involvement in new environmental initiatives and dedication to using our knowledge of legislative developments to generate and deliver new opportunities.

We can offer a route to accreditation to suit the candidate. We deliver flexible training courses for those with limited or no experience; alternatively, we assist those who qualify for APEL (Accreditation of Prior Experiential Learning), an accelerated route for experienced practitioners already working within the sector.

We now have over 2000 members across our range of accreditation schemes, all of whom benefit from a helpline manned by experienced assessors, support via our website members' area and user-friendly calculation tools. Also available, is subscription to the Stroma CPD (Continuing Professional Development) Channel which provides members with unlimited access to an ever-increasing online catalogue of topical CPD sessions.

Sustainable design

Stroma Design is a RIBA Chartered Architectural Practice delivering innovative solutions where compliance was previously deemed a financial obstacle, irreconcilable with quality design.

In addition to a traditional architectural service, based on the RIBA work stages, we offer strategic advice and assessments for the Code for Sustainable Homes (CSH) or BREEAM.

Our consultancy services include assessment of existing building stock, guidance on environmental sustainability issues, assistance with specification of renewable technologies

and design reviews and workshops.

Though not exclusive to a specific sector, we have worked with various housing associations and contractors to amass considerable expertise in the provision of social housing. Consequently, we understand the financial and design constraints that inform the process and how best to negotiate them technically.

Stroma has recently been appointed by the Technology Strategy Board (TSB) to act as leading consultant for several retrofit envelope projects. In particular, Stroma will address the energy efficiency of existing housing stock and develop bespoke improvement strategies for meeting government CO₂ emission targets.

Compliance testing and consultancy

Leading UKAS accredited testing body and member of ATTMA and BINDT, Stroma offers support for compliance with Building Regulation Parts L and E through all forms of compliance testing: air leakage, acoustic and sound insulation, thermography, room integrity and co-heat.

Our preferred approach is to participate from the outset, ensuring that compliance is considered at design stage and therefore achieved comfortably and economically. Having provided air permeability testing and consultancy for over 5000 developments, from office and multi-purpose buildings to educational establishments and cinemas, we are experts in Part L compliance. By analysing proposed construction details and offering practical advice, we frequently play a crucial role in securing a satisfactory test outcome.

In the event of test failure, we conduct a survey of the building to identify the

main air leakage areas; our contracting division can then carry out the remedial air sealing required to achieve the desired air tightness. Stroma Contracting also specialises in passive fire protection, fire stopping, thermal insulation and acoustic sealing.

Our co-ordinated approach...

Operating throughout the UK and Ireland and with an impressive client portfolio including government bodies, housing associations, local authorities and major property consultants, Stroma is ideally placed to identify and deliver the optimal planned or remedial measures for meeting energy efficiency targets in the public sector. Further details of our service offering can be found at www.stroma.com.

To discuss requirements, contact us on **0845 621 11 11** or email info@stroma.com. We can prepare a bespoke proposal, drawing on the expertise and experience available from the relevant divisions within the Stroma group. It is this unique, customer-focused approach - together with responsive turnarounds and highly competitive rates - which makes us a preferred supplier of many leading organisations in the commercial, residential and public sectors.

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