



MEET ENVIRONMENTAL REGULATIONS HEAD ON

When it comes to housebuilding and construction, ensuring you meet the stringent environmental criteria cost effectively is what we do best.

Our clients trust us to deliver unparalleled expertise that provides value-engineered solutions throughout the feasibility, planning and build stages of development projects and ensures cost certainty against the complex myriad of environmental regulation that you have to adhere to.

Knowing that you have a trusted partner that delivers time and time again ensures that you can focus on getting the business right, safe in the knowledge that you're meeting your commercial targets.

OUR SERVICES

Our in-house expertise includes extensive experience across all the stages of feasibility, planning, build and handover, including completion testing. You'll receive dedicated project management from a SAP trained consultant to ensure a smoother, more coherent experience.

- + Feasibility Advice
- + Energy Statements
- + Sustainability Statements
- + SAP Calculations
- + SBEM Calculations
- + U Value Calculations
- + PSI Value Calculations
- + Code for Sustainable Homes Assessments
- + BREEAM Assessments
- + Air Leakage Testing

BREEAM®

SAP

SBEM



VALUE-ENGINEERED SPECIFICATION FOR DAVIDSONS HOMES

In 2015, Davidsons Homes approached AES Sustainability Consultants to reassess their material specification and SAP calculations.

Using a value-engineered approach to assess the current specification, the recommendation enabled a cost reduction for Davidsons Homes.

The saving was achieved by three core elements:

1. Being buildable with the ability to reduce waste on site and therefore cost
2. Cost effective where specification is matched to alternative supplier or a better solution provided
3. Access to supply chain to ensure ability to deliver to site.



“ By using AES Sustainability Consultants, we achieved a cost effective solution for the 2013 Building Regulations. ”

Andy Preston, Commercial Director
Davidsons Homes

‘FABRIC FIRST’ STRATEGY EXCEEDS APPROVED CO₂ TARGETS

When a top tier developer approached AES Sustainability Consultants to define a carbon reduction strategy for a planning application for a site of three apartment blocks, the primary aim was to exceed CO₂ targets cost effectively.

The approach involved focusing on accurately calculating thermal bridging and an informed review of the planning

policy and conditions. The output was a ‘fabric first’ strategy that exceeded the approved CO₂ targets. This revised specification also:

- + Removed the need for renewables (PV)
- + Removed the need for MVHR
- + Reduced the required glazing specification
- + Reduced the air leakage target.

Simply put, the work upfront to adjust the specification proposals enabled accurate costings which significantly reduced the build costs whilst meeting the approved CO₂ targets.

TALK TO US TODAY

Find out more about AES Sustainability Consultants and how you could benefit

- + Call us on **01884 242 050**
- + Email us at **admin@aessc.co.uk**