

Low Carbon Designer electronic toolkit

client: London Energy Partnership

client brief: To develop an electronic toolkit aimed at architects, engineers, and planners to assist with meeting planning energy targets.

our solution: Lead consultants for design and specification of electronic toolkit.

description: Developers are now required to assess energy options from early design stages with the aim of meeting planning targets for CO₂ reduction.



Low Carbon Designer

Element Energy designed and built a toolkit for free release through the GLA. The tool is aimed at developers, architects, engineers and planners and provides an energy assessment report for use in planning submissions.

Components in the tool allow the calculation of energy loads from domestic and non-domestic buildings, and assess a range of on-site technologies for meeting these loads. An intuitive user interface and help file guides the user through all stages of the analysis and provides results in a simple graphical manner. By analysing and selecting certain technology options, the user can use the toolkit to demonstrate compliance with the energy planning requirements and automatically generate an energy assessment report.