



Sandy Halliday, Engineer Principal, Gaia Research

Sandy has worked in environmental building research, training, policy guidance and as a project advisor for local and national governments and private sector clients for over twenty years.

Sandy thrives on involvement in real projects and is able to provide real time advice to clients, architectural & engineering practices on strategies for achieving best value sustainable buildings at all stages from briefing to facilities management. She is increasingly employed as specialist advisor for clients looking to develop an affordable sustainable approach. Sandy is able to identify and bridge gaps between architecture and engineering in particular in passive design, building physics and process issues. She has been sustainability advisor in a wide range of projects from BRE's Office of the Future in the early 1990s to the present day. Recent projects include a new university campus and a campus regeneration, an environmental education centre, schools, offices, housing, and sports centres

Sandy's first degree in Engineering Design & Appropriate Technology focused on socially and environmentally responsible engineering. From her early involvement with the built environment she identified the need for design and place making to respond to environmental criteria and to meet community needs & aspirations for sustainable development. She initially worked in building services as a research manager developing UK policy & disseminating information on passive design, resource efficient & clean technologies and benign construction processes, products & materials.

Experience gained at the forefront of design and practice has been developed into an interdisciplinary CPD course on sustainable design for clients, designers and contractors. This has been published as *Sustainable Construction* by Elsevier (2008). She continued to develop this as course material as Visiting Professor in Engineering Design for Sustainable Development in the School of Architecture at Strathclyde University.

Sandy's work embraces research, training, policy guidance and brief development for a number of LAs and housing associations, and public and private sector bodies including Sport Scotland, Historic Scotland, Camden Borough Council, The Big Lottery Fund and the Carbon Trust. She is working on new and refurbishment design projects for Scottish Enterprise, NHS Scotland, Strathclyde University and Staffordshire Council.