

Claywood House - Hampshire

This striking new home truly embraces low energy living with a fabric first approach. The house, complete with an indoor therapy pool, was designed to meet the needs of a recently wheelchair bound client enabling independent living. Mesh Energy worked with the client and ACG Architects from first principles right the way through to construction to provide a comprehensive service.

Our feasibility study, which included SAP calculations, developed an energy strategy for the site and Mesh designed and specified a system which included a ground source heat pump with bore holes to heat both the house and the pool, underfloor heating throughout, mechanical ventilation and heat recovery and solar photovoltaic tiles on the flat roof with Tesla battery storage for power cut protection.

To support during the build, Mesh recommended installers, provided onsite support and attended key team meetings to ensure the energy design and build ran smoothly through commissioning and to client handover.



Image credit DarcStudio.

"We engaged with MESH at an early stage on a number of projects. Their input has helped drive a holistic fabric first sustainability approach that has underwritten our co-ordinated design development and project delivery from concept to commissioning and client handover.

MESH have been proactive in providing long-term deliverable tailored solutions focused to the specific needs and requirements of the client. This has included a full design service overseeing a number of other specialist M&E consultants and where required reviewing VE proposals which helped with the financial challenges of the package.

The team have been a pleasure to work with and we'll be working with them again."

Adam Lansdown-Bridge ACG Architects

Project Architect

Ayre Chamberlain Gaunt

**AYRE
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<https://www.acgarchitects.co.uk/project/claywood-house/>