



Award Categories: Most Sustainable Construction sponsored by Green Building Design

Project: Bayford Grange

Client: Private

Architect: Dennis Sharp Architects



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Bayford Grange is a Grade 2 Listed Georgian House built in the 18th Century. Due to outdated services and an eroded pool house structure, Bayford Grange required updating and this was achieved by a total refurbishment, with the aim to make renewal work invisible and enhance the Georgian period features.

The setting was carefully worked through including the surrounding gardens and the layout of spaces and all services were renewed using a mix of old and new techniques.

Lime mortar was used alongside modern digital technology and renewable energy solutions, such as solar panels providing heating to the swimming pool, all contributing to a 97% energy cost saving. Air quality is enhanced through a heat recovery ventilation system and the thermal performance of all walls was enhanced by adding thermal linings and sealing draughts.

A remarkable transformation which enhances all Georgian period features whilst ensuring Bayford Grange is optimised for 21st Century living.

Judges' Comments:

“The design depicts a way of life with variety and contrast both inside and out. This remodeled and extended Victorian manor house and associated outbuildings has lots of contemporary features well integrated into the building fabric.”

“We particularly liked the self-sufficiency created through the design for living within this house. This included different garden rooms, orchards and raised beds for food growing. Lots of thought has been given about the sustainability of the building fabric including an impressive reduction in energy use.”