

Energy Centre Broadmoor Hospital

Berkshire



Project Details

- Scope**
 New energy centre for new Hospital
- Role**
 Architect
- Client**
 West London Mental Health Trust
- Contractor**
 Wilmot Dixon
- Contract**
 P21+
- Value**
 £3.5m
- Dates**
 Completion 2012

New 'Green' Energy Centre in Sensitive Location

As part of the overall redevelopment of Broadmoor Hospital, Oxford Architects designed a new Energy Centre to replace the one serving the existing hospital.

Whilst the new Energy Centre is designed primarily for the new hospital it had to be capable of servicing the old hospital until the new hospital was built and then both hospitals during the transition period from one to the other. Due to the phasing, nature and length of the overall construction period for the new hospital the Energy Centre needed to have an inherent flexibility should the fuel supply change over that period.

The building has been designed to be a 'green' solution to blend into its landscape setting particularly as it is highly visible from the new hospital entrance building south of the site. The building has a 'green' roof sloping back into the banked forest to the east and is clad in natural timber. Glazed sections allow views into the plant areas and natural light into the building.



Key Aspects

- Built as enabling works before the main hospital contract
- Unobtrusive in the landscape setting with a 'green' roof
- Biomass fired boiler with woodchip storage bunkers
- Complex phasing requiring plant to run old and new hospitals



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