



Case Study

Ty Calon Lan, Mountain Ash



Case Study

Project Name

Ty Calon Lan

Location

Mountain Ash

Project Type

Health





The Project

The new £4m Integrated Primary Care Centre facility houses all of the GP services for the town of Mountain Ash including, Rhos House, Cynon Vale and Hillcrest Surgeries. In addition, the building will house District Nurses and Health Visitors with an intention to offer a 7 day a week service from the facility.

The contemporary design by Cardiff based Hatcher Prichard Architects includes a lower level of slate with upper levels in shou sugi ban timber cladding which is an ancient Japanese method of wood preservative by burning the face of the wood.

The Details

140mm x 38mm external frame

9mm OSB sheathing

Floor Cassettes

1400m² development





Scope of Services

The new Mountain Ash Primary Care Centre delivers GP services to over 11,000 patients in the area. The building provides 22 clinical rooms, administration, and support spaces over ground and first floor. The building has been designed to achieve a BREEAM Excellent rating and includes sustainable building systems such as stack ventilation, photovoltaic cells that generate over 60% of the buildings electrical needs, LED lighting and Electric Vehicle Charging Points.

The scheme meets the BREEAM Excellent Rating in many ways which was required for Welsh Government Funding, most notably by being a fabric-first design, using timber-frame construction with minimal cold-bridging and excellent levels of insulation, minimising heat loss, especially to those facades oriented away from the sun. It also benefits from a photovoltaic array on the flat roof, hidden away from view at road level. This will provide electricity to the surgery during daytime use.



“The new building provides purpose built, modern facilities which allows us to expand our existing services and provide high quality care to the population of the area. We will also be able to maximise out multidisciplinary undergraduate and postgraduate teaching thus ensuring future sustainability for Primary Care Services within the heart of Mountain Ash.”
- Dr Nicola Mogford, GP Partner.



Jehu Project Services were the main contractors for the project, we asked Chris Neville, Contracts Manager on the Mountain Ash development scheme why timber frame was specified for the project.

“One of the main reasons timber frame was specified for the Mountain Ash Primary Care development was the reduction in the build time, using a timber frame superstructure speeds up the construction process. The timber can be partly pre-cut, modulated, and built to precision making build time much faster than it would be for a traditional brick and block build.

With modular build, windows and doors can be procured from a precise schedule and installed in-line with the roof coverings making the building weather and water tight quickly to allow the internal trades to progress earlier in the build programme, therefore reducing time on site and costs.”



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Client

Apollo Capital Projects

Main Contractor

Jehu Project Services

Architect

Pritchard Barnes Architects



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