

# THE GRANGE UNIVERSITY HOSPITAL

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One of the most outstanding buildings Central have worked on is the Grange University Hospital in Wales. A £350m treatment centre and critical care unit with 560 beds and employing over 3,000 people. In 2018, Central were appointed to design and install the roof and cladding systems on the new building situated on a 60-acre site.

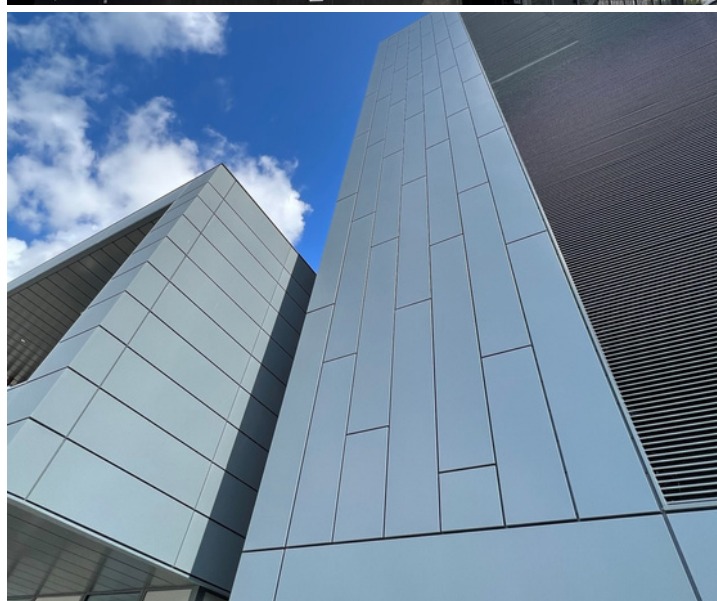
**LOCATION**  
**CWMBRAN, WALES**

**CLIENT**  
**LAING O'ROURKE**

**TIMESCALE**  
**18 MONTHS**

**BUDGET**  
**£15M**





## Approach

Central played a big part in the construction, installing a SIK A liquid plastics waterproofing system, as well as all of the composite panels and rainscreens, with methods that allowed no scaffolding. A combination of off-site and on-site methods of construction enables the building to perform at the highest standards, futureproofing the hospital for further generations.

The project was completed 4 months early, operational in 2020 and at full capacity during the pandemic. The hospital is defined as an 'Exemplar Project' by Constructing Excellence Wales and the UK Government.



## Solution

All elevations had full testing, thermal, fire and acoustic calculations carried out throughout the project to ensure the highest standards of Health & Safety.

Central installed the following:

- Copper Fins and Cladding
- Aluminium Rainscreen
- Zince Rainscreen Cladding
- Composite Cladding
- Eyetech Mesh Flue Covers
- Aluminium Soffits
- A Pioneering New Green Roof Design
- Liquid Plastic Warm Roofing

The Grange University Hospital has received four awards: CEW 'Project of the Year 2021', 'Off-Site Award 2020', 'Digital Construction Award 2020' and 'Offsite Project of the Year 2020'.

