

Gloucestershire Royal Hospital, *Gloucester*

## CONTRACT VALUE

£7.86m

## BUILDING

Tower Block

## PROJECT DURATION

Feb 2023 - July 2025

## CLIENT

Gloucestershire  
Hospitals NHS  
Foundation Trust

## MAIN CONTRACTOR

Vital Energi

Funding was secured through the Public Sector Decarbonisation Scheme (PSDS).



## PROJECT SCOPE

Building envelope works to the 11-storey Tower Block at Gloucestershire Royal Hospital comprises upgrades to the external facade using our insulated aluminum rainscreen and high-performance integrated windows as part of a range of energy efficiency and carbon saving measures in collaboration with Vital Energi, a leader in delivering sustainable and viable energy generation, distribution and consumption management projects.

A mock-up was installed to demonstrate how the building would look once completed.







## INNOVATIVE ACCESS KEY TO PROJECT DELIVERY

The tower block at Gloucestershire Royal Hospital is a complicated structure. Each elevation has protruding ledges originally built as a means for workers to clean the windows. This presented particular challenges when designing access as the installation team needed to deal with different vertical planes – the protruding ledges as well as the inward elevational surfaces.

Our innovative solution was temporary suspended access using cradles on a monorail supported from a cantilevered roofbeam. As the installation team descends or ascends each elevation, the monorail allows the cradle to extend away from the building when overcladding the ledges and return inwards to overclad the main elevations.



## KEY OUTCOMES

Building life extended by more than 60 years

Heating energy consumption reduced by up to 80%

Operational carbon emissions reduced by up to 80%

Contemporary quality building - "looks like a new hospital"

Capital payback in c.10 years from savings in heating energy alone

Close collaboration ensured project progressed whilst the building was fully occupied with minimal disruption to patients and staff.