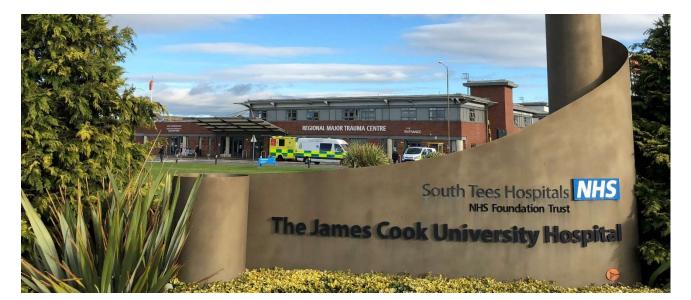
CASE STUDY:

JAMES COOK UNIVERSITY HOSPITAL Middlesbrough





MECHANICAL - Replacement of rooftop Air Handling Units

PROJECT OVERVIEW

Completed in 2017 and working directly for the client, the project to remove and replace 7 air handling units (AHUs) situated within a rooftop plant room. The competitively tender works was valued at over £645,000.

Being a maternity unit, continuity of services provision was a vital requirement; along with the need to liaise with the client and ensure the site remained safe, quiet and fully operational. The large L shaped plant room located on the roof of the single-story building presented logistical challenges due to restricted height access to site, and the fact that the heavy AHUs were over 6M long.

Geoffrey Robinson engineers designed and manufactured a temporary AHU, which enabled the sequential replacement of all old units, whilst maintaining temperature-controlled air to the maternity unit.

The project also included the replacement of 42 manual smoke/fire dampers with COLT automatic fire sensors, this, along with the AHU required substantial ductwork fabrication, cleaning and reconfiguration.

The installation of the new electrical distribution included a Schneider MCCB panel board, submain cabling, and UPS system. All to HTM NHS standards.

CONSTRUCTION PHOTOGRAPHS



Temporary AHU

Designed, installed and connected by Geoffrey Robinson engineers

South Tees Hospitals

NHS Foundation Trust

SERVICES PROVIDED

- M&E Principle Contractor
- Project Management and Programming
- Replacement of 7 AHUs and 42 COLT automatic fire dampers
- Schneider MCCB board, fire alarms, all M&E infrastructure, UPS
- Pipework, fabrication, valves and associated thermal insulation

FOR FURTHER INFORMATION CONTACT:

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