

CASE STUDY: DESIGN & INSTALLATION OF MEDICAL GAS SYSTEM FOR NEW ACUTE SERVICE BLOCK AND NEW WARD BLOCK



Selected by Kier's Mechanical & Electrical Division (KME), SHJ have been instrumental in the design and installation of a state-of-the-art medical gas system, supporting the hospital's new Acute Services Block and New Ward Block.

This £150m project, commissioned in 2025, marks a significant step forward in providing modern facilities to enable hospital staff to continue delivering excellent care to the local community.

SHJ's position as the incumbent supplier for the NHS Trust, combined with its proven track record of delivering high-profile healthcare projects, in collaboration with Kier, led to the award of this latest scheme. Thomas Kershaw, their Mechanical Site Manager provided the following testimonial.

"The SHJ team are so easy to work with and always integrate well with other teams on our projects. We have worked together on several challenging jobs and SHJ have always excelled – nothing is too much trouble, and all requests are met with a positive action. With SHJ, there are no problems – only solutions!" - **Thomas Kershaw, Mechanical Site Manager.**



As part of this major hospital development, SHJ have installed:

- Over 10,000 metres of pipework
- Over 2,000 outlets
- 70 AVSU modules
- 18 new AGS plants
- Medical Air Plant
- Medical Vacuum Plant
- Oxygen, Entonox and Medical Air Manifolds

"I'm immensely proud of our team's dedication and effort over the past 18 months in bringing this vital health facility to life. Their commitment has delivered a high-quality, much-needed resource for the local community. We're especially grateful to the Trust for placing their confidence in us to deliver a project of this scale and importance. We look forward to seeing the lasting benefits it will bring."

SHJ's Technical Director, Shaukat Ali

SHJ deployed a specialist team of eight installation engineers, whose expertise on-site was key to the project's smooth and successful delivery.

The new Acute Services Block and New Ward Block now consists of:

- Maternity services – delivery suite, 3 operating theatres, midwifery led birthing unit, triage, bereavement
- NICU – intensive care, high dependency care, special care, transitional care, parental accommodation
- Critical Care – a 22-bed critical care floor
- Surgical arrivals and recovery
- Operating theatres – 8 new operating theatres, including two hybrid theatres, first stage recovery 2.
- A maternity ward block with maternity wards (antenatal and postnatal) and pre-operative lounge

