

CASE STUDY:

NHS NIGHTINGALE HOSPITAL

North East



**GEOFFREY
ROBINSON**
SINCE 1971



BUILDING SERVICES – NHS Nightingale Hospital – North East

PROJECT OVERVIEW

Geoffrey Robinson Limited are P22 construction partners, and have worked for all the North East regional NHS Trusts for many years.

Due to the recent Coronavirus pandemic, the North East regional NHS required additional ICU resources capable of providing the necessary services and supplies to support the unprecedented patient demand brought about by the virus. The government decision was made to build additional patient capacity in the region, to provide additional resilience to an NHS infrastructure which could become overwhelmed.

The CESAM building, an empty building on the International Advanced Manufacturing Park, conveniently located close to the A19 was chosen to transform into the 460 bed ICU Hospital – Nightingale Hospital North East.

At short notice, and during the Coronavirus lockdown period, our Directors and senior engineers, met with the NHS Trust to develop the whole building and each bed station requirement, this included increasing the Natural Gas incomer, increasing the electrical capacity, to include for auto-cut in generators, provision of integrated heating, and ventilation to provide clean, filtered and refreshed air at pre-determined and assured temperatures. Pressurised medical gases and oxygen had to be delivered to all 460 bed stations, additional cold and hot water capacities were required, along with fire stopping, fire detection, and integrated data infrastructure, temperature-controlled wash stations with all necessary drainage, pumps, valve and filters.

From design to completion took an enormous effort from all the team. This was from everyone involved in the construction and design, which included the Geoffrey Robinson team, the NHS engineering and government consultants, Directors and Senior Engineers from the NHS Trusts who will utilise this facility, and grateful thanks and assistance from the manufacturers and suppliers, who helped us make this happen.

Martin Wilson, Executive Lead of Newcastle Upon Tyne NHS Trust stated,

“To build a new hospital in just a few short weeks is a truly remarkable endeavour – Thanks you for all you have done to create the NHS Nightingale Hospital North East”

We are extremely proud and grateful to have been of service to our NHS.

FURTHER INFORMATION AND CONTACT VIA:

COLIN ELCOCK

Business Development Manager

Geoffrey Robinson Ltd
Macklin Avenue
TEESSIDE, TS23 4ET

Tel: 01642 370 500
Email: ce@geoffreyrobinson.co.uk
www.geoffreyrobinson.co.uk

CONSTRUCTION DETAILS

SERVICES PROVIDED

- Principle Building Services Contractor
- New electrical switchboard and 1MVA transformer
- 2 x 1500Kva + 500Kva generators
- 10 x 90Kw Gas fired warm air heaters with full fresh air
- All medical gases and storage to provide 15 lpm with no diversity to 194 ICU and 360 ward bed spaces.
- New 72,000 litre cold water tank
- Plumbing and drainage to sluices and public and patient washrooms.
- All associated fire, nurse and security alarms and data requirement.



14,000 labour hours – 24/7
48 km of electrical cable
12,000 m of pipework
2,500 m of ductwork
460 bed stations
All in 4 weeks

