

# Steam Boiler, Leicester Royal Infirmary



## Client Brief

Within the central steam boiler house one of the existing boilers had been condemned due to it being beyond economical repair. A replacement Byworth Gas Fired Steam Boiler rated at 11,250kg/hr was specified along with new flue, steel access platforms, steam pipework connections and gas main, all to be installed and commissioned within a 16-week period including 12 weeks for the manufacture and delivery of the boiler to site.

## Process

Acting as Principle contractor and working closely with the Trust Project Manager and CDM Designer, our team of professional engineers planned, implemented and commissioned the project successfully to programme and within budget.

## Challenges

The project came with some challenges but with our specialist knowledge these risks were mitigated.

Delivery of the boiler required careful planning due to access restrictions of the existing site. The boiler was delivered on a low loader and required a road closure and crane to lift across a public thoroughfare to a hard standing outside the boiler house. A specialist sub-contract team then manoeuvred the boiler into position with skates and winches which was carried out over a weekend and out of hours to minimise disruption to the public and hospital staff.

The new gas pipework installation also required some careful planning due to the hospital requiring the existing boilers to be available 24/7. The installation called for a new gas main and connection onto the existing incoming main.

To undertake this task the installation of the new 8" gas service, de-commissioning and purging of the existing gas pipework was sequenced to a strict timescale out of hours and was completed with minimal downtime.

## Handover

Working and co-operating closely with all the project team the installation was carried out and handed over fully commissioned and snag free to the client.



## Client

University Hospitals of Leicester

## Project

Replacement Steam Boiler

## Value

£371K

## Services

Supply, installation, testing and commissioning of a new 11,50kg/hr steam boiler, associated pipework and equipment, upgrade of gas supply to the centralised boiler house.