

HEARTLANDS HOSPITAL DIABETES CENTRE AND MIDRU

PROJECT NAME:

Heartlands Hospital Diabetes Centre and MIDRU

CLIENT:

NHS Universities Hospital Birmingham

LOCATION:

Heartlands Hospital, Bordesley Green, Birmingham

M&E ORDER VALUE:

£2,610,000.00

CONTRACTOR:

Shaylor Construction

The Diabetes Centre & MIDRU was a new build project located within the grounds of the existing Heartlands Hospital site. The project was designed by Atkins consulting on behalf of the client in order to comply with the expectations and requirements and in full compliance with the Estates specifications and HTM documents.

The project comprised:

- Incoming mechanical services, LTHW services, HCW Services, Steam and Condensate system, Forced Ventilation systems. BMS systems, LV distribution
- Standby Generator system, General and Emergency Lighting, Small Power services, Fire Alarm services, Nurse Call systems. Door Access, Induction Loop, Alarm Management, Patient Call Display, Intruder Alarm Systems, Data and TV systems, Lightning Protection.

A key factor to this project was the use of a ground source heating system as the primary form of energy to the building, supported by the existing hospital steam network. This involved bore holing 29no 100m deep bore holes with 2 incoming and 2 return legs to the ground source system. The management programming and delivery of equipment and operatives for this system was a critical path element to the project, as these were installed prior the construction of the building due to access issues once construction had commenced.

