



**Electrical, Telecoms
& Security Design
Consultancy**

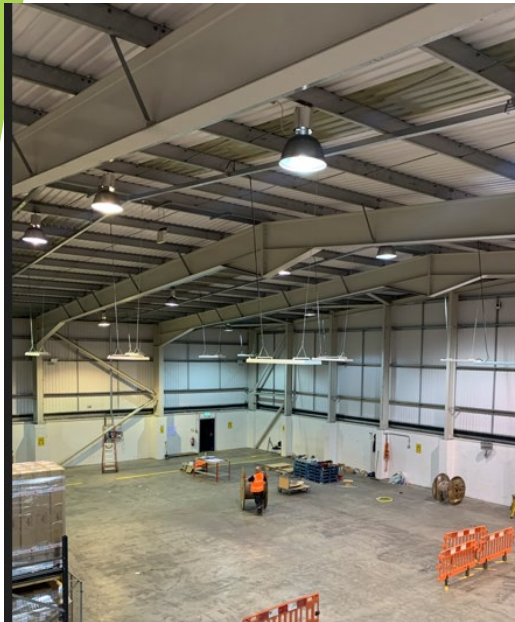
CASE STUDY - SUSTAINABILITY

Project: Decarbonisation Project
LV infrastructure Replacement and Electric
Radiant Panel Case Study

Client: NHS

Date: July 2022

Value: £1.0m



Project Overview:

The existing heating system of the building was provided by a Natural Gas Boiler system for the offices. The warehouse had no heating apart from Local task heating at designated stations.

ESD in conjunction with NHS GGC were tasked with decarbonising the site.

ESD prepared feasibility reports and tender documents on behalf of the NHS GGC. The tender documents included the following:

- Upgrade of DNO supply and all interfaces and applications with the DNO.
- Specification LV Switchgear
- Specification and design of new Radiant heating systems within the Warehouse and offices
- Cabling and containment
- LV protection study
- Detailed Changeover plans for all loads
- All heating controls required by the project.
- Removal of existing Gas Boiler system and replacement of hot water services.

Consultation was required with all NHS stakeholders and estates teams on what would be possible in terms of shutdowns / interruptions to supplies and timescales.

ESD supported NHS from project conception to project delivery including management of all site works, equipment approvals, drawing approvals, site commissioning and site handback.

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