

Brief Specification

This was a new build project with Clugston Construction of a 3 storey pilot plant laboratory in Royston Hertfordshire.

We were responsible for the entire Electrical installation from the LV panel which was a Schneider construction feeding panel boards on each floor and two sets of lighting and small power DBs per floor. The containment system due to the nature of the processes was GRP throughout and in instances where metalwork was exposed it had to be treated with a 2 pack chemical resistant coating to prevent it being attacked by the chemicals and process that may be utilised.

The lighting scheme was by Hillclaire lighting and was a networked solution with scene controllers in selected rooms. The small power accessories used were the MK Logic range.

The data network was cat5 Krone system throughout and connected back to the comms room within the premises and in turn connected to the site fibre network for full connectivity.

The fire alarm and refuge systems were installed and commissioned by CAM Alarms and linked to the site wide fire network.

CCTV and security were by Sygma Systems and access by G4S and again linked to the site wide system.

The Mechanical aspect was also a full package that consisted of a roof mounted AHU with heat recovery and heated air being supplied through this and a conventional LTHW system courtesy of 2 off 800kw Spirax Sarco plate heat exchangers. This is all controlled by BMS with a panel located on the roof top plant room.

The ventilation supply and extract was done in UPVC for longevity and protection from harmful chemicals and carried out by EME also and the toilet extract systems.

EME supplied all the cooling and heat recovery with Mitsubishi multi units throughout with external units on the roof. We also supplied and installed the cold water system throughout and all the sanitary ware throughout the project.

Project Type: M&E

Project Duration: 12 Months

Project Value: £1,400,000

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