

# CASE STUDY

# CANNINGTON COURT

TOTUS



**Sector: Education**

**Client: EDF Energy in Partnership with Cannington College**

**Scope of Works: Mechanical & Electrical Installation**

**Contract Value: £3.85M**

The project consisted of 6 buildings, all uniquely different in terms of age, size, complexity and technology.



## **Cannington Court**

The Cannington Court building itself was the single largest building and proved the most challenging. As a grade 1 listed building housing a completely new mechanical and electrical services installation, works progressed only after extensive consultation with the Client's project management and professional team including English Heritage.

## **Dairy Block**

A Grade 2 listed building comprising of 30 en-suite accommodation units and glazed link building to Priory Lodge.

## **Priory Lodge**

Similar to Dairy Block as a grade 2 listed building comprising of 20 accommodation units.

## **Brassage**

A modern and contemporary kitchen and restaurant facility to serve the campus. **The building achieved a BREEAM rating of 'Outstanding'.**

## **Priory Barn**

Refurbishment of a grade 2 listed building to provide office accommodation for Cannington Court.

## **Energy Centre**

A new energy centre housing all plant and equipment for heating, cooling and domestic hot and cold water services. This included heating/cooling 'packs' served by ground source heat pumps.



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### Services Provided:

- Heating and Chilled Water
- Ventilation
- Hot and Cold Water Services
- BMS Automatic Controls
- Above Ground Drainage
- Power and Lighting
- Lighting Control System
- AV Installation
- Data and Structured Cabling
- Central Battery Emergency Lighting
- Site Wide Fire Alarm System
- Disabled Refuge
- Fire Suppression
- Lightning Protection



### Challenges Overcome

Early consultation with stakeholder/end user ensured early sign off of fixed layout and service requirements meeting client's expectations with the minimum disruption/impact during the construction phase of the project.

Assessment of works covered by provisional sums were included within programme periods, which were particularly important for third party contractors such as catering equipment and IT specialists.

Early production of commissioning programme and maintaining the required programme period throughout the construction phase to ensure the MEP systems were fully commissioned in the correct sequence and under the correct building conditions.

Close monitoring of commissioning works with weekly meetings commenced 2-4 weeks prior to the commissioning phase of the project with all interested parties, including client's representatives.

