

# Project case study



## Customer Name

**Cardiff City Council  
Powerhouse Hub**

## Contract

**Extensive  
construction works  
including complete  
design and install of  
all electrical works**

## Project features

- A large scale building and construction project including all electrical works and painting and decorating
- Co-ordination across a wide range of works to ensure the project met the required timescales
- Working in a live environment and ensuring the safety of others using the building at all times

## Contract details

Cardiff Council provides public services for the local community and embarked on a major refurbishment and building programme to one of its key facilities – the Powerhouse Hub. This was a high-profile re-generation project with a great deal of local interest.

Ian Williams were awarded the contract for the works to include the refurbishment of the old building and new steel framed structures to significantly expand the accommodation.

We had responsibility for the complete electrical design and build and including features such as full LED lighting including daylight dimming and presence detection, fire alarms, security and CCTV and refuge alarms for disabled personnel requiring assistance.

The additional power requirements meant additional supply and we secured incoming supply from Western Power and installed lightning and surge protection. We stripped out old electrics and replacing them with modifications and extensions to meet the longer term needs of the Council. In addition, electrical works were completed for all areas of the newly constructed building.

Works were carried out by 2 qualified Electricians and extended over approximately 8 months where we worked closely and efficiently with the construction part of our business and other contractors on site.

The building was live during the works and hence appropriate measures were put in place to ensure the safety of everyone on site (e.g. – barriers, warning signs, keeping area of work to a minimum).

The building is on the site of an old World War II bombing flightpath. On-site staff were all given toolbox talks for unexploded ordnance in the grounds.

The high-profile nature of this project meant that communication was critical. We held coffee mornings with local residents and breakfasts for Councillors to ensure they were made aware of what works were being carried out and when.

## Advantages/benefits

- Knowledge of working on land with potential military hazards and how to manage the associated risks
- Qualified Electricians who were able to carry out the works and provide certification
- Working closely with the local community to make them aware of how the works would progress