

# Project case study



## Customer Name

**Coleg y Cymoedd  
(College of the Valleys)**

## Contract

**External building  
decorations and  
repairs and  
groundworks**

## Project features

- A wide range of electrical and associated works to provide new facilities for the college
- Many of the works required complete change of use to a technically equipped environment
- Many projects undertaken across 2 buildings for a single customer

## Advantages/benefits

- Qualified Electricians who were able to carry out the works and provide certification
- Working in a live environment and ensuring the safety and convenience of others using the building
- Ability to flex resourcing levels to meet the demanding programme requirements



## Contract details

Coleg y Cymoedd is one of the largest further education providers in Wales with an estimated 20,000 learners choosing to study there and over 800 members of staff.

Ian Williams were awarded a number of building upgrade works including electrical works at Coleg y Cymoedd. Some of the major upgrades carried out are outlined below.

We converted an old brickwork workshop to a new 3D modelling facility, including power supplies for laser cutting equipment, 3D printing, new flooring and walls, and a hi-tech suite for water jet cutting. We also installed a new main gas supply for a forge and provided the ventilation system.

We converted part of library into an IT suite, using angle bench trunking and power supplies and data cabling for over 50 desktop workstations.

We converted an avionics workshop by stripping it out, welding bays and building changing rooms and office facilities with power, lighting and a water heating system.

We created a theatrical make-up unit comprising of 30 stations with mirrored lighting. The existing classroom was converted and lighting and power were upgraded to provide the right colour rendering for theatrical make-up. Specialist electrically operated chairs were installed and extensive plumbing works for the bank of sinks and linking up to existing waste.

A large open area on the landing of the 2<sup>nd</sup> floor was upgraded with a new suspended ceiling, LED lighting, power and water supplies for a hydro-therapy (arjo) bathroom facility and electrically operated beds to support nursing and care courses.

Timescales were particularly demanding with staff and students on site at all times, but the works were completed on time.

Works were undertaken by 2 qualified Gas Fitters (under Gas Safety rules) and 2 qualified Electricians.