

## CASE STUDY

### Project: Ballymena Museum & Arts Complex

# ARTS

Scope: Electrical  
Value: £1.1 million  
Client: Ballymena Borough Council  
Main Contractor: Patton Group  
Consultant: Delap & Waller  
Duration: 20 months  
Completion: March 2007



#### Brief

Blackbourne have been involved for many years in the electrical installation in buildings of the highest quality. Ballymena museum was one of these.

The Ballymena Museum involved the refurbishment of the old town hall which is a listed building. A large multi floor extension was added to the rear of this building.



#### Solution

As a large section of the entire building was to be used as a museum and interpretive centre a comprehensive electrical installation of the highest quality standards was required.

To control the atmospheric conditions of the building a very extensive building management system along with substantial HVAC systems were installed.

As a large number of visitors are expected to this prestigious building comprehensive emergency lighting and fire alarm with voice evacuation were installed throughout the building.

Some of the other systems installed included structured cabling, induction loops, stage machinery, aerial distribution and intruder alarm.

To test and commission this high quality project, involved our site team drawing up comprehensive commissioning schedules in conjunction with the main contractor and other specialist sub-contractors.

Room sign off sheets were also used by us during each stage of the installation and this ensured that our quality of workmanship was maintained throughout this challenging contract and ensured the delivery on time of a high quality building.

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#### Result

This project encompassed a number of renewable technologies such as solar panels, bore hole heating pumps and grey water recycling rain water system used for the toilet areas of the buildings. It was completed on time and on budget.



#### Scope of Work

- Installation of new main switchboard.
- Provision of general and emergency lighting system.
- Provision of new fire alarm system complete with voice evacuation.
- Provision of new general power system.
- Provision of new security systems ie intruder alarm.
- Provision of new electrical services to mechanical plant and associated equipment this included ventilation, sprinklers, ac, and general hot/cold water systems.
- Installation of aerial distribution system and CCTV.

## BLACKBOURNE Integrated M&E

Springfarm Industrial Estate

Ballymena Road, Antrim

Northern Ireland BT41 4NZ

Tel: 028 9446 4231

Fax: 028 9446 7109

info@blackbourne.co.uk

[www.blackbourne.co.uk](http://www.blackbourne.co.uk)

