

# CASE STUDY

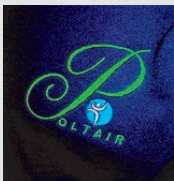
## Poltair School, St Austell

### Network Infrastructure, Phase 1 & 2

Poltair School is a Specialist Sports College striving to improve the quality of physical education that young people in the local area receive. Over the past two years the school has undergone a £5 million expansion programme.

#### CLIENT:

Poltair School  
Cornwall Council



#### SECTOR:

- Education

#### REQUIREMENT:

- Local Area Network
- Fibre Backbone
- Voice Backbone



#### The Challenge

To install a fibre and copper backbone for the new buildings that could be integrated into the existing network whilst ensuring all critical communications and connectivity were maintained to existing buildings during demolition of redundant structures.

#### The Solution

Excel was chosen for its cost effective, reliable and robust range of copper and fibre solutions.

Voicepath's RCDD spent considerable time during the initial stages of the project on site surveys and reviewing the installation plans provided to insure all critical fibre and voice links were identified and maintained to the existing network during the demolition and regeneration phases. Our RCDD identified a weak link in the network design which would have significantly reduced the performance of the new fibre optic backbone.



A second critical issue identified in the second phase of the project would have delayed the completion date of the entire project and left the school with no external telephone system at the start of the new term. BT was contracted to bring in a new fibre to feed the existing telephone system replacing the analogue lines removed at the beginning of demolition. BT failed to identify the location of the telephone system in relation to the new termination point. Our RCDD identified that there were no links or ducts between the location sited by BT in the main building and the actual location of the telephone system in another building to the rear of the school.

#### The Result

Phase 1 & 2 of Poltair school expansion took place over two years. Our RCDD was able to draw on his training and experience to identify early on critical issues and provide solutions before they became expensive and time consuming corrections. Our ability to liaise with the architect, general building contractor and BT allowed us to design and implement solutions so they could be seamlessly integrated as if they were part of the original design.

