

# CASE STUDY

## Polaris House, Swindon, Network Infrastructure Upgrade

### The Challenge

The UK Research Council, consisting of seven publically funded agencies and incorporated by Royal Charter, wanted to upgrade their network infrastructure to Category 6 standard Belden IBDN 2400 System.

The upgrade involved the installation of over 1800 data outlets scheduled over a 12 month period in 5 phases. Voicepath was chosen by Belden as the System Certified Vendor and would be required to work with two separate contractors as well as utilise two different installation methods.

### CLIENT:

- Research Council



### SECTOR:

- Research

### REQUIREMENT:

- CAT6  
Local Area Network

### The Solution

To accommodate the Belden IBDN 2400 system, Hubbell i-frame server cabinets were chosen for their pioneering design which channels airflow through the equipment, removes obstacles that impede cables and airflow and provides options to reduce cable volume.

Another space saving option Voicepath took advantage of was the Belden IBDN GigaBIX Cross-Connect System. This allows up to 300 pairs to be terminated in a very small area and is beyond Category 6 performance, providing additional margin to support gigabit applications.



In one phase of the project the under floor trunking was set in concrete offering limited space for cables. Cable runs had to be planned well in advance working with the available crossovers and bridges. The lack of depth in the under floor trunking presented another problem for Voicepath as there was no room to accommodate floor boxes. Our solution was to create a bespoke 2-way module outlet for every desktop.

### The Result

Our ability to communicate and work successfully with two different contractors on the same project meant the project ran smoothly with continuity from start to finish. Voicepath rose to the challenge of different installation methods, existing building conditions and limited space all whilst ensuring a high level of quality for the end user.

