

Case Study:

Reconfiguration of Existing Infrastructure

Customer:

Penguin Random House

Overview

Penguin Random House is the world's largest book publisher. Headquartered in New York, the business has offices around the world and publishes over 70,000 digital and 15,000 print books every year.

Our challenge

In 2019, Penguin Random House asked us to rewire its ten storey London Headquarters building for voice and data communications. Having last been rewired by Quadratek in 2003, the building has seen many changes over the years. The £2.4 billion merger between Penguin and Random House in 2013 brought an increase in the number of employees based in the building. While evolving trends in the working environment have changed the way office space is used, the more creative use of space to support collaborative working, for example, has transformed how the modern office interiors are designed. Similarly, technical innovations in voice and data cabling meant the building was due a technical refresh.

What we are doing

The building occupies ten floors over two wings. Staff were temporarily relocated within the building during the project, working to pre-planned phases.

Due to the fluid nature of the project it quickly became apparent the headcounts occupying each phase were susceptible to change, we therefore built in a further thirty percent capacity into the design

For each phase our planning process involved mapping out the existing passive infrastructure, over laying the existing floor plan with the proposed office desk layout to quantify how much existing cabling can be re-used verses the new cabling that is required.



What we are doing cont'd

The project necessitated removing all CAT6 cabling from the existing floor boxes prior to moving the cables to the new configuration. Once in place new LSOH anchors and flexible conduit were installed to meet current fire regulations and terminated into grid outlet position (GOP) boxes prior to testing. Once the carpeting and furniture was installed Quadratek revisited site to bring the GOP boxes up through the floor grommets and securely fasten to the desk management ready for the end user devices to be patched.

To achieve these goals there Quadratek worked closely with the client and the refurbishment contractor in a flexible and efficient manner in order to effectively meet the business-critical timelines.

At the end of each phase the client was issued with a full document set consisting of as-fitted documentation and test results.

This installation gives Penguin Random House the flexibility it needs to respond to its future as well as current workplace needs. It also minimises disruption to daily operations and ensures staff can to return to their designated workstations as soon as possible.