

# Data Centre Support Case Study

Global Financial Institution



## Key highlights

- 370 Cabinets
- 25,000 copper ports
- 3,000 fibre ports
- SYSTIMAX LazrSPEED, TeraSPEED & GigaSPEED XL
- 4-week programme
- Installation, patching, rack & stack

## The client

Global financial institution providing personal, commercial and investment banking services with in excess of 10,000 employees across its London campus

## The challenge

With a 4-week installation window being necessary to allow this customer to rapidly occupy their new Data Centre, Excel I.T. were tasked with a very fast-track installation. Having to come up with a full design package, including proposal drawings, our experienced Design Team knew they would have to pull out all the stops.

## The solution

With a SYSTIMAX cabling solution being chosen, the primary task for our Design Team, was to get an approved design signed-off by the customer & CommScope as soon as possible. With dedicated resources from each party, the design was finalised within 24-hours. Procurement of such volumes of material could have been a potential issue, however, with Anixter (UK) Limited holding all materials in stock, the very next day, an articulated lorry load of cabling equipment was delivered.

With GigaSPEED XL Cat 6, along with LazrSPEED & TeraSPEED fibre being specified, the logistics of the installation were meticulously planned to ensure that each cable was optimally routed. Due to volumes involved, AutoCAD technology was used to effectively plan & install the cables 'virtually', as there would be very little time to rectify any congestion issues once the programme started.

A central patching frame was installed to cater for the volumes & sufficient cable management was built in, to ensure effective routing of patch cables during day-to-day maintenance.

Every cabinet was served by at least 48 copper ports (panel-to-panel), with the Cisco switches having harness links tailor-made to ensure removal of cards for maintenance purposes in the future. A dedicated SAN fibre infrastructure was overlaid in addition to the core LazrSPEED & TeraSPEED cabling. The difference being that with the SAN links being dedicated, reduced flexibility points were required, which saved valuable Data Centre cabinet real estate.

An intelligent environmental monitoring system was installed to every cabinet, which again, Excel I.T. were tasked with & successfully completed the installation.

The final piece in the jigsaw was to patch all copper & fibre services & as we were in control of our commissioning, our installation & BAU Project Managers worked together to have everything up & running on time for the planned delivery date.