

# Structured Cabling Case Study

## Global Financial Institution



### Key highlights

- 45,000 outlets
- SYSTIMAX LazrSPEED multi-mode fibre optic solution
- 9 month project duration
- Refurbishment program covered 9 of 13 floors

### The client

Global financial institution with over 40 million customers worldwide, that owns more than 40 well known consumer brands and provides a full suite of personal, commercial and investment banking services

### The challenge

The challenge set by our client was to refurbish the fibre-optic and copper infrastructure within their building, across 9 of the 13 floors while a building refurbishment was being carried out. This would then enable our client to increase the speed of the core network to 10 Gigabit data transfer speeds, and support the rollout of IP telephony across the site.

### The solution

Working closely with the client's project team, Excel I.T implemented SYSTIMAX LazrSPEED multi-mode fibre-optic cabling solution using agreed diverse routes, bank standards and change controls to replace the existing fibre to all CPRs from the datacenter.

Prior to the commencement of each floor, a cabling design and frame layout was submitted and signed off by the client. The network infrastructure refurbishment included the implementation of SYSTIMAX Cat 6 data cabling, working to a 2.4m grid with 8 way GOPs, 2.4m grid with 6 way GOPs, 1.8m grid with 4 way GOPs and point to point cabling to loading bay and reception areas.

Since some areas of the floors requiring the infrastructure upgrade during the refurbishment works remained occupied, it necessitated a careful and systematic approach to the project to ensure that active users were not affected during the works and no unidentified cables were removed during the recovery of legacy infrastructure. Temporary cables were installed to service the remaining active users and panels located on the frame so as not to disrupt the agreed frame layout.

Once all redundant cables had been removed, the new cable was installed using designated cable routes, terminated to TIA 568B & labelled according to the client's standards. Prior to the completion of the project users on temporary connections were cut over to the new infrastructure and the temporary cables recovered.

The Excel I.T's moves team relocated the users within the client's building to their new swing space locations until their department / floor had been refurbished as per the project programme.