

## Telecommunications

### Phased Install – Co-Hosting Centre: Phase 1



**Client Brief:**

To supply, install and commission an N+1 infrastructure Co-Hosting Data Centre to accommodate 120 x 19" cabinets at a location in the heart of central London, including the total infrastructure for a major power upgrade at a later date.

**Timescale:**

Phase 1 was completed in the summer of 2008 over a 9-10 week period.

**Logistical Challenges:**

Organising the transport of the generators on an oversized lorry with police escort through central London in the early hours of a Saturday morning, teamed with road closures for craning condensers onto the roof and all deliveries to be completed before 6am were typical examples of the complexity of this project.

Phase 1 work included stripping out the existing infrastructure on the second floor, supply all new raised access floors, design the power supply, generator, N+1 AHU's, N+1 UPS, fire suppression, VESDA early warning detection and overhead fibre runner. The installation of the AHU pipe work was particularly challenging as service risers were already full so the new pipe work had to be diamond drilled through five floors via the emergency exits to the outside condensers located on the roof. A major power upgrade would be required at a later date and therefore the infrastructure was designed and ongoing liaisons with the power company EDF to ensure that the change over to the bigger power supply in the future would be successful.

**Phase 1 Room Size:**

27m x 14m - 378m<sup>2</sup>