

# PROJECT PROFILE

**CLIENT**

GLOBAL INFORMATION PROVIDER

**LOCATION**

LONDON DOCKLANDS

**SECTOR**

FINANCIAL

**PROJECT**

CRAC UNIT REPLACEMENT & CHILLED WATER SYSTEM UPGRADE

**OVERVIEW**

Our client requested the replacement of twenty three upflow CRAC units that serve a data centre, located within the Docklands, for a blue chip financial company. The project was on a design and build basis and required us to provide a highly resilient system, whilst also providing the most efficient solution to improve energy performance and therefore as short as possible payback time for the original capital expenditure costs.

We designed and built a solution which involved the replacement of the existing units on a phased basis as the areas had to remain operational at all times. A new condenser farm was built which included the supply and installation of external mezzanine steelwork gantry and access area with surrounding external louvres. All DX pipework was installed within existing and newly created service risers. This ran in conjunction with the replacement of three turbocor chillers and associated chilled water services and power infrastructure.

All works were carried out in a live environment within a number of comms rooms; all of which had to be kept operational at all times. We programmed the works to ensure we could achieve this whilst also keeping within project programme time and cost within client requirements.

The project was completed without any interruption to service and within cost and budget requirements. Subsequent operational energy savings of over 50% have been achieved compared to the original installation. Due to our clients' satisfaction with this project, we have continued to work with this client on projects of a similar nature.