



## Deutsche Postbank, London Building Central Chiller Replacement

### PROJECT DETAILS

#### Client

Deutsche Postbank

#### Consulting Engineer

Eta Projects Ltd

#### Quantity Surveyor

Eta Projects Ltd

#### Project Manager

Eta Projects Ltd

#### CDMC

Roger Bernhard Partnership

#### Value

£400,000.00

#### Timescale

5 months

### DESCRIPTION

Deutsche Postbank chiller was of an age where reliability of supply was at serious risk. The building had serious issues with overheating during the summer months. The project involved the strip out of the existing Trane 300 kW air cooled chillers and associated pipe work, valves, insulation, controls, power/electrics, etc. and the installation of new.

### OBJECTIVES

To carry out a fast track replacement of the air cooled chiller during the winter months and ensure fully operational for the cooling season. Failure to maintain a reasonable temperature control within the building would result in serious management staff issues.

### DESIGN

The design of the new system involved a new York 400 kW air cooled chillers. The existing chilled water pipe work was modified to suit the new installation. Space was at a premium and the chiller selection and location was of paramount importance, particularly for future servicing and maintenance. New chiller BMS control system was provided and interfaced with the existing building system.

### SPECIFIC DESIGN REQUIREMENTS

Deutsche Postbank is the largest retail bank in Germany. The environmental conditions within the offices are critical to ensure the operation of their business and staff satisfaction. The management has serious staff issues associated with internal environmental conditions. This project was to ensure that the chiller and associated works were carried out during the winter months and cooling made available for the summer cooling season. The project involved major builderswork, road closures, etc.

It was imperative that the upgraded power supply serving the chiller was provided to ensure security of supply.