

# Hammersmith Hospital

## A BLOCK DOMESTIC HOT AND COLD WATER SERVICES REPLACEMENT



<b>Client:</b>	Imperial Collage Healthcare NHS Trust
<b>Consultant engineer:</b>	Eta Projects Ltd
<b>Quantity surveyor:</b>	Eta Projects Ltd
<b>Architects:</b>	n/a
<b>Cdmc:</b>	WT Partnership
<b>Value:</b>	£2,400,000
<b>Timescale:</b>	24 months

### Description

A Block at Hammersmith Hospital is a large, six-floor, ward building containing operating theatres, private patient wards, wards catering for critical and non-critical patients and associated support facilities. The project involved the strip out and replacement of the complete domestic hot and cold water services, associated plant and sanitary ware.

### Objectives

To replace the existing domestic hot and cold water services due to the deterioration of the pipe work and very high count of legionella. The new installation was designed and installed in close partnership with the Trust Infection control officer. The new replacement pipe work would be installed whilst the building is still in full operation. To reduce the extent of hot work within the ceiling voids, the installation was carried out using a crimp type pipe work jointing system.

### Design

It was agreed with the client that the works would have to be carried out to a phased programme. The initial works would be the installation of the main risers through the building, with branch valves at each level. Once this had been achieved, the process of decanting a number of areas was carried out and the new distribution installed. In addition, most areas could not be shut down and as a result, this work was undertaken out of normal hours.

### Specific design requirements

The complete project was project managed by Eta Projects on behalf of the client. Weekly meetings were held to plan the work phases, monitor progress and ensure that the client and their liaison engineers were fully aware of the works completed and the planned future works. The works were intrusive and required good working relationships with the various departments, including outpatients, pharmacy and MRI. Risk management, bespoke planning, and programming ensured no incidents.