

Client – Skanska Construction

Brief – Electrical Lifecycle and Upgraded Chiller pipework, Royal London Hospital and St Barts

Moolands supports Skanska with a wide range of projects, most recently we have been involved with lifecycle upgrades to some 15,000 emergency lights throughout 2 of Europe's largest hospitals, as well as upgrading chiller pipework serving the UPS rooms in order to maintain a steady room temperature.

Due to the sensitive environment of the hospitals, safe working procedures, at non-disruptive hours were essential considerations. Both projects required different services and skill sets, as detailed below.



### Electrical

Upgrading the emergency lighting was no small task, in fact working in such a vast environment had its own set of issues. We had to efficiently navigate the site and work within critical areas such as operating theatres and busy corridors. The works had to be choreographed in such a way that key areas, occupants and visitors were not disrupted whilst ensuring the work programme was not delayed. This was overcome with a pre-agreed work schedule with our team of 9 electricians working on-site, often 6 days a week to ensure works were completed on time and without disturbance to the hospital.

### Chiller Pipework

These works could be completed during normal working hours due to the location being in the service bays. After full risk assessments were carried out, it was decided to use pressed copper pipework to avoid hot working and to minimise risks. Approximately 700m of copper pipework was installed to upgrade the chillers capacity and to reduce temperatures in the UPS rooms in order to maintain a stable temperature level.

