ROYAL LIVERPOOL UNIVERSITY HOSPITAL

The new Royal is not just a project to replace a crumbling and unloved building with a more modern and welcoming one, it is about creating a completely different kind of hospital at the heart of a radically renewed and improved local health service.

This vision is now becoming a reality. The new hospital will be built next to the current site on Prescot Street. Once it is constructed, our existing hospital will be demolished. In its place, there are plans to develop a world-class Liverpool BioCampus and Health Campus, as well as landscaping green space, roughly the size of Chavasse Park. The new hospital will have:

- 646 beds, including a 40-bed Intensive Therapy Unit
- 18 state-of-the-art Theatres
- 23 wards and units, including a large Clinical Research Facility

The new hospital will provide every patient with a single bedroom with en-suite facilities. We believe that modern healthcare is as much about privacy, comfort and dignity as it is about pioneering treatments and cutting-edge technology.

The new Royal will be vital for the regeneration of Liverpool and transform an area which acts as a gateway into Liverpool. The construction of the new hospital will bring jobs and investment to the city.
CASE STUDY
CONSTRUCTION SITE SERVICES

PROGRAMME
• Define scope of works with client and agree cost plan and programme of works for the project
• Installation of site facilities
• Establish site HV / LV mains and sub mains distribution equipment and cabling systems
• Installation of a low voltage (415 volts) power distribution network for the construction site wide
• Electrics, main project offices, welfare accommodation and security fence line system
• Maintenance and adaptations to the temporary M&E services throughout the project including the addition of LV commissioning / testing supplies

DETAILED DESCRIPTION OF WORKS CARRIED OUT
We provided the following temporary utility services to Carillion and their specialist subcontractors:-

TEMPORARY UTILITIES SCOPE OF WORKS
• Design input
• Cost planning
• Innovative and cost effective solutions

ELECTRICAL
• 1 x HV switch panel
• 1 x HV 11 kV / 415 volts package substations in conjunction with SPN
• Associated earthing systems
• 3 x LV (415 volts) mains and sub mains cable distribution network
• Supply and installation of LV mains and sub mains distribution units
• Electrical connections to site offices, welfare facilities and subcontractor’s project accommodation units
• Electrical supplies to 5 x site tower cranes
• Electrical power / lighting supplies to Slipform operation
• Site wide external floodlighting including lighting for the main haul roads, car parks and sensitive security areas along with the lighting to pedestrian walkways
• LED lighting and LED emergency lighting to buildings
• Site wide 110 volts small power and lighting supplies connected to site wide installation of 10 kVA 415 volts / 110 volts transformers
• Electrical testing, inspection and maintenance

WATER / DRAINAGE
• Water and waste connections to project accommodation offices and welfare units
• Water supplies throughout the building
• Effluent waste pipe installation to permanent discharge outlets

DATA & COMMUNICATIONS
• Installation of data and communications equipment
• Installation of structured wiring, cable terminations and cable management systems to project offices

SECURITY
• CCTV installations (electrical supplies)
• Personnel turnstiles (electrical supplies)

SITE ATTENDANCES
• Health, Safety and Environmental audits and reporting
• Operatives Tool Box Talks
• Production of Method and Risk Assessments
• Adaptations to temporary M&E services
• Maintenance of project temporary M&E services
• Breakdown cover
• Completion and subsequent periodic testing and inspections of all temporary M&E installations including certification and reports throughout the project duration

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