



Case Study – Guys and St Thomas Hospital, London



CLIENT

Guy's and St Thomas' **NHS**
NHS Foundation Trust

PRINCIPAL CONTRACTOR

essentia
Delivering integrated healthcare solutions

KEY BENEFITS



Collaborative working



Challenging programme



On time and on budget



High quality install

Guys and St Thomas Hospital in London has undergone a £160 million redevelopment which included state of the art operating theatres and new wards. Granite were appointed by Essentia to install the new 11kV cabling, associated civils and switchgear from concept to commissioning. The cabling was connected to the UKPN switchroom on Tooley Street through the busy London streets with dedicated traffic management to the basement of the hospital on Great Maze Pond, behind The Shard. The building works was undertaken by others and the new utilities connection in 2018 was completed with new 11kV breaks in the existing building footprint.

The traffic management was always going to be challenging from the start of the scheme due to the amount of stakeholder management and interface a Central London location brings. We at Granite were proactive from the start which enabled all involved to be aware of the programme milestones and also the drop dates which were

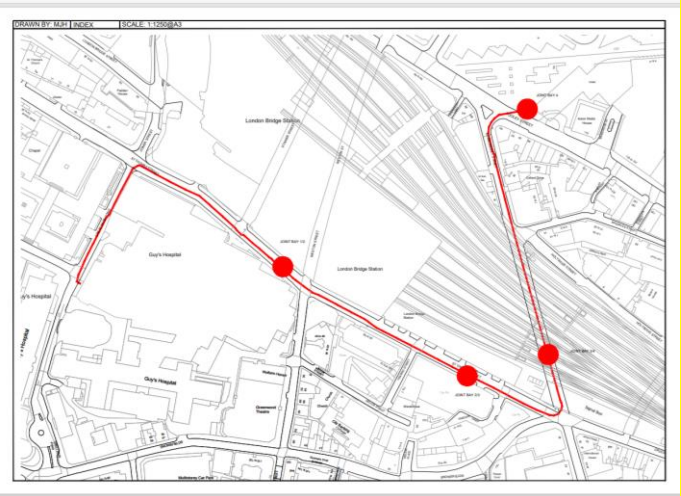
achieved with close communication with UKPN and also other stakeholders including London Bridge Station staff and the Hilton hotel, on the busy Tooley Street in London.

The excavation of the busy roads was planned on a day and night basis with contingency for it being a particularly busy public realm. The access for the hospital was paramount. Granite was able to overcome the logistics and site restraints by working closely with the council, UKPN and the Guys & St Thomas Hospital.

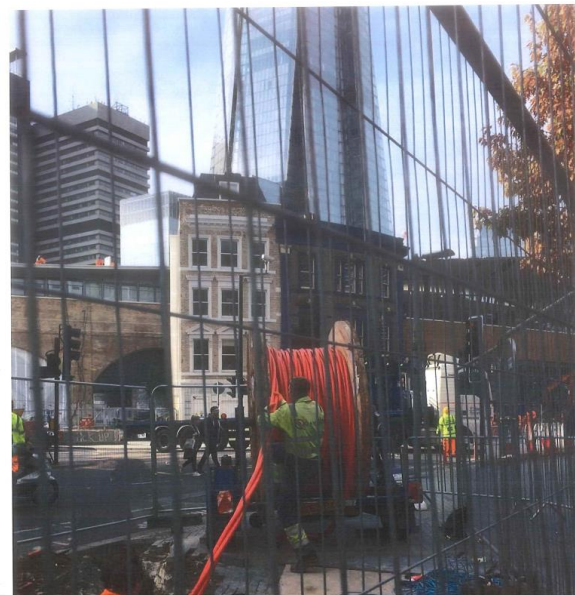


**** Cabling at the base of The Shard**

Nigel Giddings, NEC Project Manager, said: "The project has been a great success with little disruption through careful planning with Granite and other key stakeholders. I would like to work again on future schemes in the same manner."



The programme of onsite works was planned in for two months with a sixteen week lead time for switchgear and 11kV cable. The allowance, by the Southwark Council, for the open trench was 50 metres and only one team at any one time due to the route and location. The installation of the breakers was undertaken at the same time to reduce programme delays.



**** Tooley Street Substation**

The breaker commissioning was undertaken as much as possible prior to power on through the final connection at the UKPN substation at Tooley Street.

