

# Powerhire

## Generator & Loadbank for Renovations to Listed



**With massive renovations almost complete at an iconic listed building in Central London, Powerhire were called upon to provide loadbank testing and generator hire to validate the performance of the buildings' entire electrical infrastructure that had been completely renewed and upgraded.**

A major London University Hospital have just signed a 50 year lease at this almost refurbished Grade II listed building. It is the former headquarters of the BBC World Service and sits nicely next to University Hospital's historic Strand Campus. The acquisition of this building will create a wonderful and dynamic campus in the heart of London by uniting these two prime central London locations to create state of the art education and learning facilities for their students.

### **Client**

Facilities Management

### **Project in Brief**

Loadbank Testing and Generator Hire to test new electrical infrastructure at an iconic London Property for £61 million refurbishment into modern offices

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The £61m refurbishment at this stunning courtyard of properties has seen the characteristic BBC warren of studios and shabby offices ripped out and replaced with a centre for modern business, housing a sequence of pristine, white-walled open-plan spaces mirroring the aspirations of the new University Hospital tenants.



Whilst the improvement works were drawing to a close Powerhire were asked to visit site to assess the loadbank and generator requirements suitable to carry out the job of powering and checking the new electrical infrastructure, new LV panels and new Uninterrupted Power Supplies [UPS] for this colossal renovation project. Our Technical Sales Manager specified a 1600kVA generator for the required power and an 1100kw resistive loadbank as suitable to carry out the necessary loadbank testing on the new system. Once agreed and signed off with the client both generator and loadbank were programmed into the completed renewal of the electrical system renovation schedule.

On the agreed date Powerhire engineers arrived onsite for the installation of both the 1600kVA generator, the loadbank and several hundred metres of cable for all the necessary connections for installation. The generator was installed and connected into the new main LV panel to power the building whilst the testing was carried out because as yet the mains power had not yet been switched over to the new electrical architecture. The generator was then commissioned by our engineers to ensure the necessary testing could go ahead.

The 1100kw resistive loadbank was then connected into 3 separate new LV panels in turn and each one was tested by applying a power load to the infrastructure to guarantee its performance. After a 3 day period all testing was completed and we were able to confirm that the new electrical architecture, LV panels and UPS performed as per their design specification. Our engineers disconnected the loadbank and decommissioned the generator and before leaving site the report of the successful testing documentation was handed over to the client.

**Cable Hire**

**Generator Hire**

**Fuel Tank Hire**

**Load Bank Hire**

**Distribution Hire**

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CS-098-POW-1835-R0  
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