

# PROJECT PROFILE

**CLIENT**  
LEADING PROVIDER OF  
COLOCATION DATA CENTRES

**LOCATION**  
LONDON

**SECTOR**  
DATA CENTRE

**PROJECT**  
HEX 8 & 9 UPS REPLACEMENT



## OVERVIEW

JCA were tasked with constructing a new MV/LV switchroom in the car park area to house the new equipment which includes:

- New 11kV incoming services and diversion of existing 11KV services
- New Transformer including ring main unit.
- New main LV switchboard
- 4 No. 1200KVA UPS complete with battery solution
- New room air conditioning units
- New steel gantry to house the external condensers
- New busbar system up to 6300amps
- New PLC system for the control of changeover between mains and generator power.
- General power and lighting.
- Fire alarm; fire suppression.
- CCTV and security system
- BMS modification
- Sprinkler alterations

Project constraints for this project include maintaining existing services operational at all times during the migration period and coordination of all the new services. Coordination of all new services is crucial due to the limitations on the floor slab heights, which requires careful planning to ensure all new plant and equipment can be installed as per the design intent.