

PTSG's bright sparks protect new electricity substation

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[Premier Technical Services Group Ltd \(PTSG\)](#) has been contracted to provide specialist electrical services at a new electricity substation underway in Lambeth, South London.

In spring 2020, the National Grid embarked upon a £1 billion project to rewire South London via deep underground tunnels. In total, 32.5km of 3m diameter tunnels are being constructed deep below the road network between Wimbledon and Crayford, which will carry high voltage electricity cables.

UK Power Networks, the electricity distribution company that distributes electricity across London, requires National Grid to build a new connection to its high-voltage electricity transmission network, which the organisation has a legal obligation to provide.

To achieve this, a 400-kv electricity substation and headhouse are being built within UK Power Network's existing substation site boundary at Bengeworth Road in Lambeth, to connect to the London Power Tunnels (LPT) route.

In this contract, engineers from [PTSG Electrical Services Ltd](#) will install a new lightning protection system to protect the structure and its users in the event of an electrical storms.

In addition to being the UK's leading provider of lightning protection services, PTSG Electrical Services Ltd also provides market-leading electrical compliance testing services – both fixed-wire and portable appliance testing. PTSG operates five independent business divisions: PTSG Access & Safety Ltd, PTSG Electrical Services Ltd, PTSG Building Access Specialists Ltd, PTSG Fire Solutions Ltd and PTSG Water Treatment Ltd.