

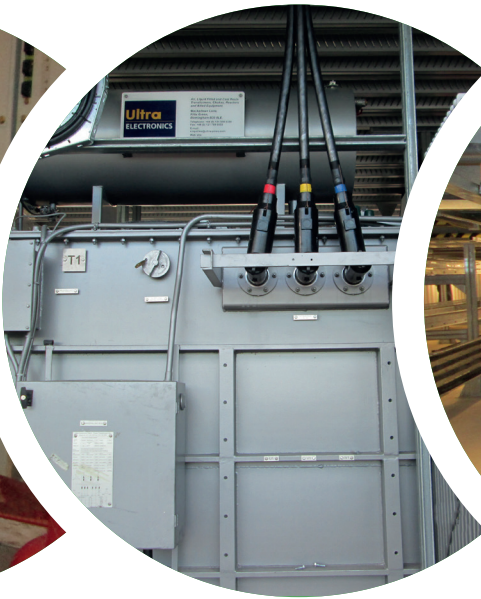


Scheme Thameslink F425 -
Williams Way Depot Substation

Location Three Bridges

Client UK Power Networks

Completed May 2015



The Summer of 2015 saw the arrival of the first of the new trains into the purpose built Three Bridges Depot at Crawley.

RJ Power Group provided the most compelling offer, successfully secured the contract working on behalf of UK Power Networks for all the Electrical cable terminations and containment of the HV and DC cables within the new Williams Way Substation serving the new depot.

The works for UKPN within the new Williams Way Substation entailed:

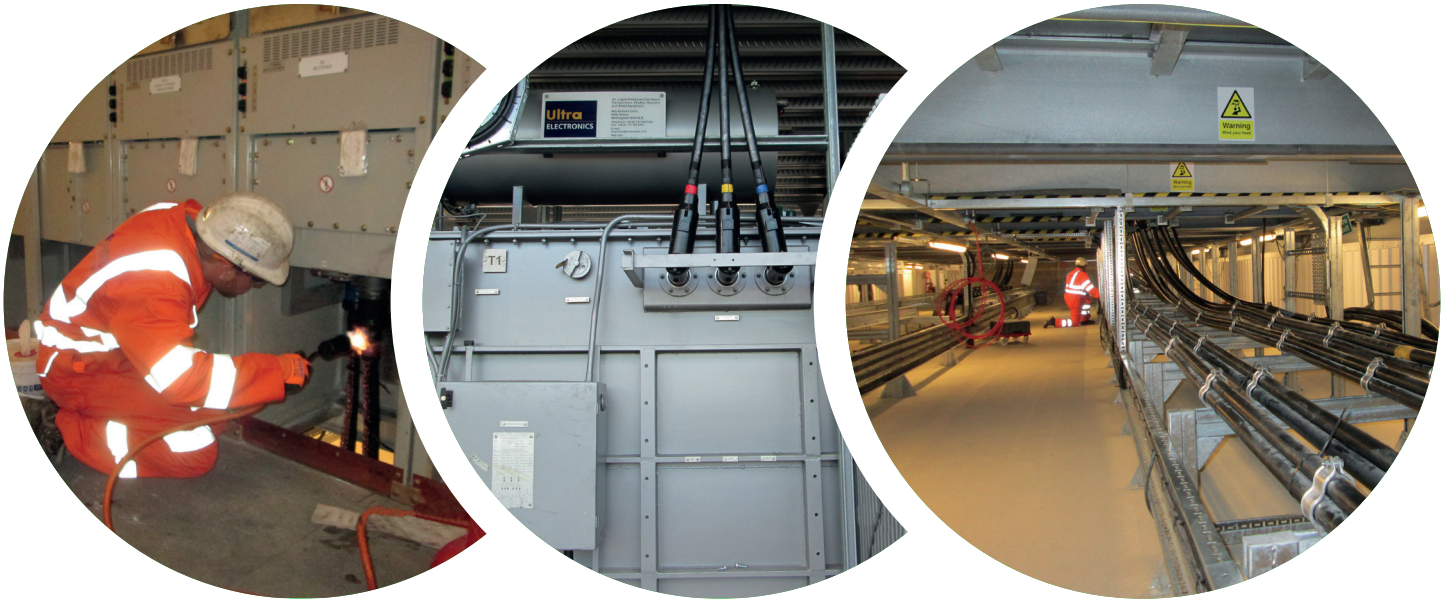
- 🌀 Installation and Termination of HV Feeders cables F3007, F3008 and F3111
- 🌀 Installation and Termination of HV cables to new Auxiliary Transformers
- 🌀 Installation and Termination of DC Positive Track cables between DC Rectifiers and DC switch gear.
- 🌀 Installation and Termination of DC Positive Track Interconnector cables
- 🌀 Installation and Termination of DC Negative Track cables between DC Rectifiers and Negative Busbars
- 🌀 Installation and Termination of Negative Bonding and Isolation DC Track cables
- 🌀 Installation and Termination of Negative Reference cables
- 🌀 Sheath and Pressure Testing of the new HV Feeder cables F3007, F3008 and F3111
- 🌀 Assistance with Design and Installation of cable containment for the DC and HV cables
- 🌀 Jointing of HV Feeders Trackside



CASE STUDY

RJ POWER GROUP

The High Voltage Network Provider



RJ Power Group worked with UKPN site management on the challenging task to ensure that the routing of the cabling between equipment met the required specification within the substation and did not conflict with other cabling required coming in from the depot or other cabling within the substation.

All commissioning dates were achieved to the programmed dates.

RJ Power Group are an experienced power solutions delivery provider who work collaboratively as a reliable and trusted partner with all of our clients, providing exceptional expertise and proven project delivery.

"I would like to take this moment in thanking RJ Power Group for all the works that they carried out for UK Power Networks at Williams Way Substation. We managed to achieve all key commissioning/energising dates with the various HV and DC switchgear installations within the Substation, this was mainly down to the support and the proactive attitude of RJ Power Groups team. The site management and on site work force were a credit to RJ Power Group throughout the time they were on site. They worked together with us on the cable management installation and design.

All the hurdles that were met along the way were approached with a positive attitude. UKPN have now handed the Substation over to the maintainer who were very happy with the finished product. Thanks again and I hope we will be working again together in the not to distant future.

Could you pass on a special thanks to James Cavill who has delivered a good installation".

John Harkin
Site Manager
UK Power Networks (Rail Sector)