



## CASE STUDY

# RJ POWER GROUP

The High Voltage Network Provider

<b>Scheme</b>	E&P CP5 S&C South Alliance
<b>Location</b>	Kent, Sussex & Wessex
<b>Client</b>	Colas Rail
<b>Completed</b>	Ongoing over the last 18 months



**RJ Power Group have successfully completed a number of ETE Projects in Kent, Sussex and Wessex on behalf of Colas Rail.**

**The projects which formed part of Colas Rail's S&C Framework on Network Rail's Southern area, allowed RJ Power Group to provide either resources, or a full turnkey ETE solution.**

RJ Power Group, fully risk assessed, then installed, tested and commissioned ETE equipment at approximately 11 different projects including:

- 🌀 Installation of 34 No Track Isolation Switches (TIS)
- 🌀 Installation of 8000metres of 1000mm Positive Traction Cable
- 🌀 Installation of 4000metres of 800mm Negative Traction Cable
- 🌀 Installation of 1000metres of 25mm Traction Cable
- 🌀 Installation of MK7 & MK8 Hook Switches
- 🌀 Installation of TIS Concrete bases, C/1/9 troughing or GRIFLEX ducting
- 🌀 Provision of HV Assessments and HV Competent staff where required
- 🌀 All terminations to TIS, DC Breakers and Track connections
- 🌀 Section Proving and ductor testing
- 🌀 Providing full isolations with our Level A staff and fully Test and Commission the ETE equipment
- 🌀 Inspection and Testing plans where required



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### **The Challenges and Solutions**

RJ Power Group were faced with challenges on-site through receiving late design changes, delays to programmes and rail road vehicle issues, however our team worked collaboratively alongside Colas Rail and other contractors to meet the deadlines of each possession.

By having fully equipped vehicles with all the necessary plant and material spares to cover all aspects of an ETE installation, allowed RJ Power Group to provide an extremely efficient service, particularly when dealing with the last minute changes to the scope of works, that arose on this railway infrastructure project.

### **The Benefits**

RJ Power Group absorbed and managed effectively the project risks, fully owning the power deliverables, delivering the project with minimal support and providing a seamless and integrated service into Colas Rail.

By holding a directly employed workforce RJ Power Group, were able to flex their resource to meet project change without affecting the key possession times. RJ Power Group provided internal commissioning resource through to installation, labour staff and a strong management team.

RJ Power Group have developed themselves over the years into a complete delivery team, with a huge range of experience and knowledge amongst our staff. This enabled RJ Power Group to cover the complete spectrum of all ETE projects awarded to them.

### **Why RJ Power Group**

RJ Power Group are an experienced ETE contractor who work collaboratively with their clients and their supply chain as a reliable and trusted partner.