

# Sussex 7-Day Railway Hookswitch Replacement Project



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*“The principle behind the project was to allow quicker and safer isolations for Network Rail Maintenance and Projects”*



**Controlled Track Switch (CTS)**



**Sub-Station SCADA Marshalling Box**

**P**od-Trak were contracted to supply, install and commission all the ETE within and beyond the project footprint.

Purley is a very busy outer London hub linking Brighton and the South Coast to London. The Renewals were one of the largest undertaken in the south with such short delivery timescales. 17-point ends and extensive plain line renewals were installed and commissioned within a 10-day Christmas / New Year Blockade.

All ETE Materials, Tooling, Plant and Labour was supplied by Pod-Trak.

Within a 10 day blockade the Pod-Trak ETE teams delivered all ETE associated to the project. This included installation of all the Rehau conductor rail insulator pots and fixings, new and recovered conductor rail (which included MMA7 Manual Arc Welding), 1000sqmm Al DC Positive cabling, 800sqmm Al reinforcing Negative cabling, S&C small negative bonding (240sqmm

Ali), 7 No Track Disconnecter (TD) units, timber protection (guard) boarding and Rehau Plastic shrouding.

The works required in-depth planning and multi discipline integration for delivery. Working closely with the S&T, P Way and Thermit welding teams was key to project completion.

The Final core works following conductor rail welding was to

manually form each high and low speed conductor rail ramp ends. This was undertaken on-site at location using the hydraulic rail bender (Ramper).

Following core works, ITP completion and verification the site was Live section proved by Pod-Trak.

All above works were installed to programme, design specification and budget.

SUSSEX  
ROUTE

13 MONTHS  
PROJECT

VALUE  
£1.5M

SOUTH  
COAST TO  
GREATER  
LONDON

