



Channel Tunnel Rail Link Track Monumentation

THE TASK

TPS was commissioned to coordinate the installation of a series of monitoring points along the Channel Tunnel Rail Link phase 1. The high speed CTRL allows travel from London to Brussels, Lille and Paris in less than two hours. The phase 1 section of the route runs from London Waterloo to the Channel Tunnel terminal in Folkestone.

THE DESIGN

The monitoring points on the rail link consist of spigots, which were fixed onto the overhead gantries on three stretches of the line, totalling 14km. The spigots were required to allow fixed points to be utilised on a real-time basis when tamping, to allow the tamping machines to adapt to any changes in the track without the need to pre-survey. Survey control was densified from the primary control on the CTRL grid and precise levelled for maximum accuracy.

THE SERVICE

We invested in a Leica GRP3000 rail trolley in order to meet the client's needs and to meet our own standards of ensuring our equipment is the most up-to-date on the market. All TPS staff participated in CTRL PTS training courses in order to provide a flexible workforce to meet the demands of the project.

THE RESULT

The project was delivered within budget and on time. The installation of the monitoring points has contributed to the overall efficiency of the CTRL, enabling fast and effective transport between the UK and Europe.

CLIENT

Carillion Rail

PROJECT VALUE

£107k

SERVICES

- Installation of Monitoring Points

TYPE

Rail