

Civils and Infrastructure

TSP Projects
Technical Solutions in Partnership

TSP Projects' Civils and Infrastructure team work collaboratively with clients to develop, design and construct a wide range of projects in a variety of sectors including Rail and Energy and Power.

Our engineers are involved in some of the largest infrastructure redevelopment work in the country and have a strong track record in the delivery of targeted and focused solutions.

The Infrastructure team provides civil engineering design services to a range of clients including Network Rail, contractors and train operating companies. The team has extensive experience of working on a range of projects from minor renewals to major multidisciplinary station projects.

Expertise includes the design of lineside structures predominantly for Permanent Way, resignalling projects, drainage works including track drainage, electrification structures, platform alterations and extensions, station modifications, new stations and depot works.

Experience includes involvement from initial feasibility, outline design, detailed design, through to site support and commissioning. TSP Projects has developed their 3D design capability to become one of the most advanced 3D designers within the UK Railway Sector.

Major projects include:

- Thameslink Programme: Bedford Depot, Peterborough Depot and Cricklewood Depot - Carriage Washer Machine (CWM), Controlled Emission Toilet (CET) facilities, Drainage and building foundations
- Network Rail station improvements: Kings Cross, Reading and Peterborough Stations.
- Energy from Waste Facilities: Leeds, Oxfordshire, Staffordshire and Suffolk - foundation design, deep concrete bunkers, finite element analysis, ancillary buildings
- Kildare Route Project: design coordination and management role for this €450m project. Civil works included retaining structures, drainage, earthworks and formation, highways and car parks.