Discovering our customers’ needs and delivering the correct solutions: On budget, on time, first time.

#TSPdelivers
TSP Projects is a market leading multidisciplinary solutions business that provides a full range of services: from consultancy, design and engineering to manufacture, installation and onsite project management.

As a principal railway infrastructure provider, TSP Projects has an influential role in the design and operation of the UK rail network. We are currently engaged in major national flagship projects such as the Trans Pennine Electrification, Oxford Corridor Capacity Improvements and Great Western Route Modernisation. These projects demonstrate that we continue to be at the forefront of rail infrastructure engineering in the UK.

TSP Projects has over 20 years of engineering design experience, and has worked with some of the largest organisations associated with the Heavy rail industry in the UK.

Our clients are among the key UK providers in the sector, including Network Rail and Transport for London. Our work also extends to delivery contractors, consultants and other service providers.

We also work in partnership with our clients across a wide range of market sectors, including Energy & Power, Defence & Security and Construction.
Heavy Rail

The efficient delivery of large rail infrastructure designs is key to meeting the ever-increasing demand of rail passengers and UK business. Major rail schemes are highly complex, affect large numbers of stakeholders and require safety driven designs, implemented in safety critical environments.

Our rail team consists of a diverse, highly skilled team of engineers and project managers. We provide innovative, safe and collaborative solutions tailored to our clients needs, delivering expert design and consultancy services on a range of rail projects from specialist tasks to large multidisciplinary projects. Our core services in rail include:

**Infrastructure**
- Station Buildings
- Platforms
- Level Crossings
- Bridges
- Earthworks

**Systems**
- Electrification Plant
- Overhead Line Systems
- Track
- Switches & Crossings

**Rolling Stock**
- Refuelling Facilities
- Maintenance Sheds
- Wheel Lathes
- Depots
Creating a better future
From concept to completion, some of our recent projects.

King’s Cross Station Redevelopment

Client: Network Rail
Network Rail have undertaken a £550 million redevelopment project for King’s Cross Station, with the aim to more than double the capacity of the station, used by 47 million passengers a year. As lead designer on this project, TSP developed innovative solutions for the major restoration work on the existing station including:

• Removal and replacement of platform access footbridge
• Restoration of the train shed roof
• Design of new Platform 0 and reconstruction of Platforms 1 to 8

Trans Pennine Electrification

Client: Network Rail
TSP is the Lead Design Organisation for this major £500M improvement of Trans-Pennine rail services. This programme combines electrification, capacity improvements, journey time improvements and significant upgrades to Leeds and Huddersfield Stations to provide faster, longer, more frequent trains between York and Manchester by 2016. We have developed a pioneering virtual modelling system, ‘mission room’ to coordinate all team members, as well as, interactions with stakeholders and third parties.

Great Western Route Modernisation Electrification

Client: Network Rail
This key programme of works will expand the electrified rail network to the West of England. With 20% more seats than the diesel trains they are replacing, journeys on the new trains will be quicker and will emit around 20-35% less CO2. As part of this programme, TSP are using their expert construction knowledge to develop design solutions that assist the delivery of this programme, these include:

• Platform extensions for introduction of new Electric Multiple Unit Stock
• Crossrail - Western Inner Track Improvements
• Old Oak Common to Paddington track remodelling
**Reading Station Area Redevelopment**

**Client:** Network Rail  
We efficiently delivered the design for the new Reading Station. Development works included:

- Design of the 30 metre wide transfer deck with lifts and escalators
- Design of over 400 OLE structures and foundations
- New Northern Entrance and Western Gateline design
- Platform and canopy design
- Alterations and extension to the existing subway
- Design of permanent way including 84 S&C units
- Station wide M&E and COMMS

**Peterborough Station**

**Client:** Carillion Plc  
Peterborough Station currently serves 4 million passengers a year. Network Rail have invested £43 million in capacity improvements to the station’s track and platform layout, including a new island platform, longer and wider platforms, access improvements, and a goods loop with connections to all main lines. TSP has successfully delivered the GRIP 2-4 multidiscipline designs for this project. Building on this successful design delivery, we were appointed designer for the framework contractor, Carillion, to complete the GRIP 5 to 8 works.

**Oxford Corridor Capacity Improvement**

**Client:** Network Rail  
TSP is developing the area around Oxford to accommodate several ongoing major rail improvement programmes, including the new East West Rail service, the electrification of the Great Western line, safety and signalling improvements, the development of Oxford Station and capacity improvements. We facilitated challenging consultations with residents’ groups and local authorities, proactively engaging with a variety of partners and third parties, including the Department for Transport, First Great Western and prospective contractors, at many organisational levels.
Wherever You Are

With collaboration being an essential part of our company’s operational DNA, we recognise that as your needs grow and projects become larger and more complex, we need to be increasingly dynamic, agile and accessible.

A key driver for our business is to ensure that we’re not just at the end of a phone, but just round the corner. That’s why we’ve established 3 regional offices in Reading, Birmingham and Manchester, supported by our head office in York, so we’re only a stone’s throw away.

Connect With Us

York
Keith Moverly, Rail Sector Director
Main Line: 01904 454 600
Meridian House
The Crescent, York, YO24 1AW

Manchester
Niall McCreanor, Director
Main Line: 0161 242 2990
Fairbairn Buildings, 70-72 Sackville St, Manchester, M1 3NJ

Birmingham
John Oldridge, Regional Director
Main Line: 0121 242 1240
Alpha Tower
Suffolk St, Birmingham, B1 1TT

Reading
Martyn Ayres, Regional Director
Main Line: 0118 990 1163
Dukesbridge House
23 Dukes St, Reading, RG1 4SA

www.tsppprojects.co.uk

While care has been taken to ensure that the information contained in this publication is accurate, TSP Projects does not accept responsibility or liability for errors or for information which is found to be misleading. TSP Projects is registered in England under number 3033290 with registered office at Meridian House, The Crescent, York, YO24 1AW