

# The Severn Partnership

## At work across Scotland

The last year has seen further controlled expansion for this specialist railway survey company, including a number of detailed high accuracy surveys in Scotland.

Recent investment in Scottish Railways infrastructure has created the requirement for high accuracy railway surveys to support track renewal design works. Building on a reputation for quality service established working on the rail network throughout British Isles, TSP has successfully completed numerous complex projects in Scotland capitalising fully on the company's continuing investment in a highly qualified workforce and the latest surveying technology.

Working in partnership with the engineering consultancy companies, servicing the major track maintenance contracts, the focus of activity has been on track renewals in complicated sections where the contract specifications are complex resulting in high demand on surveyors' time. In this environment TSP's expertise in maximising survey efficiency while maintaining data quality has proved crucial. Recent TSP innovations in surveying techniques have made it possible to measure railway infrastructure remotely from green

zones, further reducing track occupations and project costs.

The success of these projects depended heavily on the quality of the TSP survey teams, combining the highest professional qualifications with an extensive knowledge of working railway practice. Effective project management was based on excellent working relationships with critical safety staff and a thorough understanding of track access requirements. As a result, TSP's surveyors have consistently achieved a high conversion rate in relation to planned 'green' and 'red' zone working.

The most complicated track survey to date was a double diamond crossover in Glasgow completed in 2005. Further large projects have been completed Glasgow, Edinburgh and more recently Ayrshire. TSP has produced S&C and PWAY design drawings featuring more than 40,000 detail points, providing a complete site package with full drainage information, clear route gauging,

height and stagger and Hallard surveys.

Utilising latest laser scanning equipment they produce complex 3D drawings of overhead line equipment. They can also generate 3D computer models of structures from point clouds, providing additional value to clients and minimising the need for site revisits. This was particularly important in relation to the work completed in August at Ardgay, 90 miles from John O'Groats!

The complex S&C track surveys undertaken in Scotland form only a small part of TSP's extensive service portfolio. For more information please refer to the TSP advertisement in the Buyers Guide or contact::

For further information please contact:

**Mark Combes**

**The Severn Partnership**

E: [mark.combes@severn-partnership.co.uk](mailto:mark.combes@severn-partnership.co.uk)

**Nick Blenkarn**

E: [nick.blenkarn@severn-partnership.co.uk](mailto:nick.blenkarn@severn-partnership.co.uk)

T: 01743 874135