Serco is a leading independent provider of vehicle and infrastructure test and monitoring services specialising in bespoke instrument installations and analysis techniques.

**Testing and Acceptance**

We offer a flexible, multi-faceted testing and data analysis service which enables us to support our customer’s needs, whether investigating vehicle service problems, providing baseline data for design studies, or the testing of new or modified products. Our testing services include:

- Brake and wheel slip/slide testing
- Vehicle stability and internal vibration measurement
- Dynamic pantograph performance and tuning at OHL potential
- On-train electrical measurements
- Strain measurement
- Aerodynamic testing
- Commissioning and service introduction of new vehicle fleets.

**Condition Monitoring Systems**

We specialise in the development and installation of monitoring systems specifically tailored to particular customers’ needs, enabling both short and long term condition monitoring of rolling stock and infrastructure systems. Examples of recent installations include:

- Long-term in-service recording of freight wagon suspension displacements, location and speed as part of an accident investigation
- The monitoring of forces and stresses in Switch and Crossing installations to enable their behaviour under train passage and temperature extremes to be better understood.

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