Interfleet Technology

ERTMS:
System Engineering

Capabilities

Railway systems are made up of many complex elements such as rolling stock, signalling, power supply, track and communications systems and these elements must be effectively managed. Applying system engineering and system integration techniques and processes throughout the project life cycle is the key to successfully managing the interfaces. The principal activities include:

- System integration
- Requirements capture and interface definition
- System concept development, evaluation and feasibility assessments
- Testing, validation and commissioning planning and management

These activities are particularly important for projects involving ERTMS which has may complex interfaces between the rolling stock, ETCS, GSMR, track and operational elements of the railway. Interfleet can support clients with the system engineering aspects of ERTMS projects throughout the project life cycle, including:

- Requirements capture and the preparation of functional specifications
- System integration and the preparation of interface control documents
- Development of testing and validation specifications and plans
- System commissioning and in service performance monitoring
- Requirements traceability management throughout the project life cycle
- Interface management throughout the project life cycle

We have extensive worldwide system engineering experience, encompassing heavy rail, light rail and metro systems. This experience, together with a rigorous approach has been proven to successfully deliver client benefits. Contact us to discuss your system engineering requirements.

Contact :

www.interfleet.co.uk