

# Train Maintenance Depot RAMS Assessment



## CASE STUDY

### Overview of Deliverables

As part of the project to deliver a new railway across London the Train Service Provider was contracted to build a fleet of trains and to carry out maintenance and servicing on them for a period of 30 years. To enable this a £142M depot with 9 Depot roads and 33 Stabling sidings was being constructed in West London. The client needed assurance that the Depot as designed and built was able to deliver the service requirements so a Reliability, Availability, Maintainability and Safety assessment was required.

### Deliverables Included:

An update to the original RAMS Plan  
An assessment of the RAMS capability of the Depot  
Identification of key assets which could severely impact Depot performance

### Technical competencies applied in the delivery of the contract

- Vertex Engineers employed the following competencies during these works;
- Technical competence in all the assets incorporated in this modern maintenance depot including Electrification, Track, Signalling, Communications and Plant.
- Knowledge of Depot operations and the processes of maintaining these assets to a high level of performance

### Value added initiatives

Vertex was able to quickly focus on the actual utilisation and RAMS needs of a depot thus enabling the operators to understand the key assets and focus their asset management activities on those areas.

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### Programme start and completion dates

Three months at the end of 2017

### Resources utilised

Vertex utilised its team of Railway Systems Engineers for this project. Qualification held includes membership of the Institution of Railway Signalling Engineers, membership to the Association of Project Managers (MAMP), Project Management Professionals (PMP) and professional Chartership (C.Eng.). Combined railway experience of the project team (5 persons) exceeded 150 years.

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