

Cambridge Signalling Project GRIP 1 & 2



CASE STUDY



Overview of Deliverables

The Cambridge Signalling project is driven by the wire insulation degradation within Cambridge Relay Room, and by the National Operating Strategy (NOS). The NOS intends to streamline signalling processes by concentrating all signal personnel at 14 Rail Operating Centres (ROCs) across the nation.

As part of this project wiring will be replaced, and, to maximise delivery efficiencies, the Cambridge, Dullingham and Bury St Edmunds interlocking's shall be renewed. Chippenham Junction will then be resignalled. Line speeds will be enhanced, providing journey time reductions for passengers.

Network Rail appointed WS Atkins plc as the main contractor, however Vertex was approached to provide a Contractor's Engineering Manager (CEM), as required by both the Construction (Design and Management) Regulations 2007 and Network Rail Standard 02009.

Deliverables Included:

- Undertaking duties of engineering management for the project;
- Development of Risk Management procedures in accordance with Network Rail standards and legislation;
- Stakeholder consultation with Train Operators, maintainers and asset owners; and
- Ensuring compliance with the Construction (Design and Management) Regulations and Network Rail engineering management procedures.

Technical competencies applied in the delivery of the contract

- Vertex employed the following competencies during these works;
- Technical knowledge of the proposed system in question, incorporating over 20 years' experience in project development and delivery and adhering to the Network Rail Project Management (GRIP) process;
- Systems Engineering- appreciating the impact of the proposed solution in terms of its whole-life implementation; and
- Project Management, Stakeholder liaison and influence, in order to drive the project forward on the agreed timescales whilst maintaining stakeholder confidence.

Programme start and completion dates

Project duration is from October 2012 – February 2014 with every milestone thus far achieved as required by the base plan.

Resources utilised

Vertex is utilising its team of Railway Systems Engineers and Project Managers 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.).

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Registered in the UK,
Number: 04440268.