

CASE STUDY



Vertex has provided numerous organisations with Auditing services as part of the safety engineering process or as a framework service. A current example is the Safety Advisory service for High Speed 1 Ltd (HS1).

To meet the requirements of its HS1 concession agreement, Vertex are providing Safety Engineering advice and specific studies that have a safety context. The role requires advising on issues relating to Railways and Other Guided Systems (Safety) Regulations (ROGS), Railway Interoperability Regulations (RIR), Common Safety Method, Construction, Design and Management Regulations (CDM), Occupational Health, Risk Management, Security and Organisational Development.

Vertex also provides ROGS/CSM services to other parties and provides Lead AsBo assessors for minor to major programmes of work such as Crossrail. For projects such as London Olympics, major capacity improvements (RfL, Crossrail, Thameslink) and new developments such as ERTMS (ENIF test site), audits have been undertaken with the projects, TOC/FOC, Operations, maintenance, Station operations. For large projects the audit process is carried out on either a 6 or 12 month schedule, it is also often adapted to support the stage of works (aid the GRIP process) and be a supporting tool for demonstrating to stakeholders that the project is adapting to the findings of the audit.

A number Safety Audits are carried out as part of the Safety Planning, Safety Case process as a standard deliverable as required by client requirements and industry standards such as EN 50126, IEC 62278, Common Safety Method, Engineering Safety Management (Yellow Book). For parties such as SRP within Network Rail, RfL, TfL, Vertex has also carried out safety audits of projects / change programmes and worked as an independent advisor to third parties undertaking an internal audit to support them prior to audit from their client. For product acceptance, an audit is carried out to determine the level of compliance of the supplier, Vertex has undertaken such assessments of many diverse products and the full range of railway activities.

Vertex supports its Intelligent Thinking alliance partner, Competence Assurance Solutions Ltd (CAS) undertaking the Organisational Safety Culture Analysis (OSCA) process for a number of organisations.

- The OSCA process comprises the following stages of activity:
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- A Culture Type survey of management perspectives on current and desired cultures
- A Culture Goals and Aspirations Workshop with the Executive Team
- An analysis of safety and operational performance data
- A Safety Culture survey of staff attitudes and beliefs
- A Risk Assessment workshop to review improvement options
- An Executive Report on findings and recommendations

Since 2006, OSCA has been delivered to a number of organisations including, Balfour Beatty, Carillion, Galliford Try, Kier, London Streets, Otis, London Underground, London Midland, Mowlem, Sky Blue and Transport for London as well as several organisation in these companies' supply chains.

Vertex also assisted CAS on behalf of the Road Safety Authority of Ireland (RSA) where announced and unannounced inspections of the Certificate of Professional Competence was undertaken to help the Irish Government understand if improvement was required in an effort to improve road safety.

Vertex also works with its other Intelligent Thinking alliance partner, AMCL undertaken general Asset Management assessments and specific PAS 55 and ISO 55001 certification and ongoing surveillance audits for many clients in many sectors including rail, metro, water, electricity, gas, banking, multi-utility, local government and media. Both parties have a long-standing assessment and auditing relationships with rail infrastructure and rail operating companies including Network Rail, London Underground, Nexus (UK), MTR (Hong Kong), LTA (Singapore), MTM (Melbourne), Sydney Trains and Aurizon (Queensland Rail).

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