

# Portfolio examples: Rail Industry

Selected Scenario rail risk projects



**Scenario's rail risk projects have contributed to improved design, operations, maintenance, human factors, incident investigation and major project and infrastructure work. A selection of our rail risk projects is listed below:**

- Public Transport Corporation (Victoria) - Wheel integrity risk analysis.
- Freightrail / Clyde Engineering - Risk review of the new 81 class locos cabin layout and ergonomics.
- State Rail Authority of NSW - Risk assessment of the Enfield Marshalling yards.
- State Rail Authority of NSW - Risk assessment of new maintenance facility layout at Newcastle.
- Public Transport Corporation (Victoria) - Risk analysis training (over 1300 participants):
  - Risk concepts & practice.
  - Risk tools, techniques & systems.
  - Investigation training.
- National Rail Corporation - Risk analysis training (over 300 participants):
  - Investigation training.
  - On-job competency based investigation skills.
- Public Transport Corporation (Victoria) - Single Person Operated Train ('SPOT') Risk Analysis.
- Public Transport Corporation (Victoria) - Wheel failure quantitative assessment & benchmarking.
- Public Transport Corporation (Victoria) - Park brake risk quantification review.
- Public Transport Corporation (Victoria) - Melbourne train tunnel (electrical systems) risk analysis.
- National Rail Corporation - Wagon bearing risk analysis study.
- VLine Freight - Guards Van risk analysis.
- Vline Freight - Maintenance activities - strategic review to support regulatory approval.
- Theiss - Rail coal loader facility preliminary hazard analysis.
- CityRail Illawarra - Strategy Planning session facilitation.
- Public Transport Corporation (Victoria) Engineering Services – driver cabin design risk analysis.
- Met Trains (Victoria) - Train collision risk assessment.
- National Rail Corporation - Safety Management Plan development (Freight Wagon Maintenance).
- Hillside Trains – maintenance system risk review.
- State Rail Authority of NSW – Various door, engineering interlocking and rolling stock risk assessments.
- State Rail Authority of NSW – site stabling risk assessments.
- Olympics Task Force – Driver Fatigue risk study.
- Millennium Train Project (4GT) – Contract risk assessment (legal issues).
- State Transit Authority of NSW – Maintenance standards development for drivers' seating.
- Tailored executive safety management programme – curriculum development and delivery to State Rail Authority of NSW.
- State Rail Authority of NSW – Incident management regime development prior to and during Sydney 2000 Olympics.
- TasRail – Serious Mishap Investigation training programme.
- Irish Rail – Human Factors input to the Network Risk Model.
- State Rail Authority of NSW - Ergonomic risk assessment of Operator Interface System for new metropolitan computer based train describer system.
- CityRail (Sydney) - Several risk and ergonomic studies for the Automated Ticketing System project. Principal ergonomics consultant during development and evaluation stage.
- Public Transport Corporation (Victoria) - Contract adjudication activities to select a preferred supplier for automated ticketing.