

John Tilly

MSc(Eng), FIRSE, FPWI, FCILT

Qualifications

Masters Degree (Engineering), Railway Systems Engineering, Sheffield University (2000)

Fellow of the Institution of Railway Signal Engineers

Fellow of the Permanent Way Institution

Fellow of the Chartered Institute of Transport & Logistics

City & Guilds D32/33 Workplace Vocational Assessor

Voluntary Advisor to the English and Scottish Law Commission's review of level crossing legislation.

Experience

41+ years in railway signal and level crossing engineering

2009-to date Director own company.

1999-2009 HM Railway Inspectorate – HM Principal Inspector of Railways/Inspector of Railways

1993-99 Senior Consultant/Consultant

1993 Self Employed – Channel Tunnel (TML) Commissioning Team

1968-93 London Underground Ltd – various roles

Director Señalización Ltd (from 01.06.09)

Railway Industry Consultancy & Local Bicycle Maintenance business.

Independent Competent Person, Docklands Light Railway

HM Railway Inspectorate 1999/2009

Managed processes for the Level Crossings Act 1983 for the Secretary of State for Transport. Led small team of specialist inspectors in considering upgrading proposals for public level crossings in UK - all railways. Similar role for Northern Ireland Government. Managed public consultation exercise including chairing public meetings, and following assessment of level crossing schemes against standards, legislation, made recommendations to the Secretary of State's authorised representatives. Carried subsequent public inspections.

Led HMRI investigation into Ufton train crash for HM Coroner. Investigated many other level crossing incidents. Chair, National Level Crossing Safety Group 2003/4. Member, EU DG TREN Level crossing group. Member EU Level Crossing Research Forum. Member of several RSSB research steering groups. Member of organising committee for 8th International Level Crossing Symposium.

1993/1999 Halcrow Transmark

Example projects:

Translink, Northern Ireland Railways; Part of team undertaking a Safety Strategy, multi-disciplinary review of whole railway system, operational and engineering methods following several accidents.

April 1998; Translink, Northern Ireland Railways; 'Expert Witness' - Independent investigation into a collision between two trains involving signalling systems and signalling staff; Verbal evidence and Report of findings to Panel of Inquiry. Subsequent on-site training of all Technician Officers.

Northern Ireland Railways; Assisting with specification and tendering process and some site work for Great Victoria Street Rail Link, Belfast; Bleach Green - Antrim rehabilitation project, level crossing and scheme plan design; Assisting & Witnessing NIR with testing & commissioning Great Victoria Street Rail Link, Belfast & track circuit tokenless block signalling Ballymena - Killagan - Ballymoney.

Greater Manchester Passenger Transport Executive; Manchester Metrolink; Evaluation of signalling schemes, plans and specifications for Eccles/Salford extension. Site Inspection of scheme and recommendations to GMPTE for acceptance.

GMPTE; Manchester Metrolink; Audit of Signalling Maintenance prior to the end of current Concession agreement to establish equipment condition.

GMPTE; Manchester Metrolink; Surveys and site assessment of signalling equipment in connection with extension of system to Salford/Eccles and building of the Manchester City Link road. Project specification for works involved.

Seconded to Rail Link Engineering, Channel Tunnel Rail Link Project; Railway Utility Research Manager; Leading a small team in establishing the extents of railway services and utilities on Railtrack and other railway infrastructure in connection with the mapping of the new link. Then, Systemwide Signalling Staging Engineer; Responsible for liaison with the five project groups on signalling issues and interfaces between CTRL & Railtrack infrastructure:

Stansted Airport Ltd, Transit System (Rubber tyred, hybrid monorail guided system); Theoretical and practical refresher training and examination of all system technicians.

Indonesian State Railways; Independent factory testing of Vital Processor Interlockings (VPI) for Cigading - Serpong Rehabilitation project, to their principles; Involvement in Cikampek - Cirebon double tracking project

CS Transport Ltd, Paris; Independent design check of drawings and designs produced by CS Transport, France (one of France's major signalling contractors) to confirm that the drawings met the specification laid down by the Malaysian Railways Administration for a major re-signalling and upgrading project involving three lines of the State Railway system (KTMB) within a radius of 50km of the capital city, Kuala Lumpur.

1993 Transmanche Link Joint Venture (TML) - the Channel Tunnel Contractors; Consultant; Systems Commissioning & Operations Engineer, (Signalling UK).
Responsible for managing and witnessing the commissioning activities of various French signalling contractors within the British section of the Channel Tunnel system.

1968/1993 London Underground Ltd

90-93 Incident Manager, Responsible for investigation and rectification of reported malfunctions to signalling, communications, ticketing, lighting and traction systems throughout the whole LUL railway system.

1985/1990 Signal Maintenance Supervisor.

1979/1985 Signal Installation Supervisor.

1972-/1979 Signal Maintenance Technician.

1968/1972 Indentured Apprentice, Railway Signal Engineering.

Publications

The "V" style Interlocking Machine and it's use by London Underground

MSc Dissertation, Sheffield University; 'Level Crossings on Rural Railways: Can the railway industry continue to subsidise rural settlements'.

London Transport Railway Signalling; Papers on the life and work of Robert Dell 1900-1992 (Joint author).

Rehabilitation of the Bleach Green - Antrim Railway Line.

150 years of the Edmondson ticket, joint author, article, *Railway World*.

