



The Worshipful Company of Engineers

(Incorporated by Royal Charter 2004)

The Junior Warden 2023 - 2024



Prof Andrew McNaughton

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Prof Andrew McNaughton has been engaged in railway engineering, operation and management since 1973. He currently has a number of part time roles including:

- Non-Executive Chair of Network Rail (High Speed) Ltd, the infrastructure manager and operator of the passenger and freight HS1 railway from London to the Channel.
- Professorial Fellow at the University of Southampton focussed on geotechnical research having previously been a Visiting Professor there and at Imperial College, London. He also lectures on construction efficiency at Cambridge University and since 2003 has been an Honorary Professor of System Engineering at the University of Nottingham.
- Advisor to the UK Department of Transport, engaged to chair its Cost and Performance Panel reviewing the £10bn major passenger and freight Transpennine Route Upgrade. He also chaired the National Efficiency Panel charged with halving the cost of railway electrification to support the government's decarbonisation strategy.
- Since 2017, Strategic Advisor to the Czech Republic on rail strategy and in particular on new line and conventional route upgrade development to enable freight growth and high speed passenger operation.

Andrew was Chair of the New South Wales Government Fast Rail Panel 2018-20 and completed a 40 year Strategy for the then Premier. He has also acted as Expert Witness in Arbitration and continues to lecture internationally on rail development and in particular its impact on economic development and promotion of social equity.

From 2009 to 2017, as Technical Director of HS2 Ltd, Andrew led the feasibility, operational, engineering and environmental design and specification of the British high speed rail network, HS2, and acted as Principal Witness in Parliament for the authorisation of the first phase Act. He chaired the World Inter City and High Speed Rail Committee 2016-19.

Between 2000 and 2009, as Chief Engineer of Network Rail, Andrew was responsible for the engineering policies and safety of the GB rail network, research and development, and chaired its renewals and enhancement investment authorisation panels. He led the post-2000 recovery of the network including re-specifying the West Coast Route Modernisation and Thameslink Programmes. During this period, he chaired the EU Rail Research Advisory Council, the European Rail Infrastructure Forum and was Vice Chair of the EU Transport Advisory Group.

Prior to that, between 1994 and 2000 Andrew carried out various business leadership roles including National Head of Production which included anti-terrorist security and Director for Wales and the Great Western Region.

Andrew's early railway career was with British Rail starting prior to becoming a sponsored student and developed progressively through maintenance, design, construction and operational management across Britain. Roles included constructing the Norwich Crown Point rolling stock complex, leading electrification of the main line to Norwich, maintaining the East Coast main line to Edinburgh, inventing ultra-low cost renewal techniques to allow affordable modernisation of the North West network and culminating in rebuilding Kent's railways for the initial years of Eurostar operation.

Andrew was installed as the Junior Warden of the Worshipful Company of Engineers on 25 April 2023.