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## John Fisk

### Noise and Vibration Technical Expert



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John Fisk has over 9 years' experience in acoustics consultancy. He has worked on multiple projects which involved construction noise and vibration assessment including baseline surveys, noise modelling and section 61 applications. He is experienced in local authority and public consultation. John is experienced at project and programme management and undertaking quality assurance and expert review on monitoring projects for high profile infrastructure projects including London Garden Bridge, Crossrail Farringdon Station and the Northern Line Extension.

He is highly skilled at the provision of combined noise and air quality management, monitoring and reporting strategies and specialist technical advice to clients. With a keen eye for detail, John is able to provide high level quality assurance of outputs and innovative thinking to provide the best solutions to clients.

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#### Qualifications

- MSc with Distinction in Acoustics, University of Surrey (2007 - 2009)
- BSc(Hons) in Physics, Imperial College London (2002 - 2005)

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#### Professional Association Membership

- Member of the Institute of Acoustics, MIOA

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**London Garden Bridge, Bouygues TP and Cimolai Joint Venture (2015 – ongoing)** Provision of environmental assessment support to the Bouygues TP / Cimolai JV for the design and build of the London Garden Bridge. John helped to provide comprehensive technical solutions to deliver the combined noise and air quality management, ease of access to real-time noise and air quality data and supporting the client's team in undertaking self-monitoring and reporting in order to reduce costs.

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#### **Northern Line Extension – Ferrovial Agroman Laing O'Rourke Joint Venture (FLO) (2014 – On-going)**

Temple are currently supporting FLO with the environmental monitoring and consents required to enable the required early works associated with the construction of the Northern Line Extension to proceed. The services provided have included, provision of section 61 submissions, liaison with Local Authorities, baseline noise and vibration monitoring, assistance with the noise and vibration management plan and monitoring of early construction works.

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**GWEP Operational Noise Assessments and Section 61 (2014 – present)** UK Power Networks (UKPN) is working with Network Rail on the electrification of the Great Western Railway between London and Cardiff. This comprises the installation of transformer stations and switchgear at 32 sites along the length of the route. The project involves operational noise surveys and assessment in accordance with BS4142 focusing on noise from the transformers. Additionally, the project comprised preparation of Control of Pollution act (1974) Section 61 applications for prior consent for the associated construction works supported by

construction noise assessments. The project involves liaison with the 15 different local authorities the sites are located in.

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**DLR double tracking [2014]** The project involved appraisal of options to upgrade DLR infrastructure in sensitive location. The noise and vibration appraisal includes assessment of railway noise in close proximity to receptors, evaluating suitable options of elevated structures and recommending appropriate mitigation options. Suitable noise surveys were required to determine the source noise level of the specific train movements with appropriate track type. The project involved noise from a tight radius curve which needed to be accounted for in the calculations. The noise and vibration appraisal also included evaluating noise impacts from construction. The recent national noise policy changes prompted careful consideration of assessment criteria. Gathering the appropriate information from the correct sources and ensuring accuracy and agreement with the engineers in the 3D model was particularly important for the complex model required. Clear and robust explanation of the benefits and dis-benefits of options and mitigation recommendations was essential to the project.

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**Crossrail Farringdon Station C435 BFK, London (2012-Present)** The project involves providing noise and vibration support to different engineering teams as part of the C435 Farringdon Station works. John has reviewed computer noise models to predict and mitigate the potential impact from various construction activities in support of Section 61 applications.

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**London Overground Capacity Improvement Programme (LOCIP) (2013- present)** The project involved noise and vibration advice to the LOCIP Environmental Advisor in relation to TFL's proposed infrastructure enhancements. John has reviewed a number of the noise calculations and assessments in support of Section 61 applications.

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**HS2 Phase 1 EIA packages (2012-present)** The project involved the construction noise assessment and baseline data collection for London Metropolitan and Country South regions of the phase 1 route environmental impact assessment which amounted to 50km of the scheme. John's responsibilities included Survey coordination, overseeing database management and development and reporting for the over 500 measurements taken. John was also responsible for developing the construction noise modelling methodology which implemented BS5228 and calculated monthly noise levels for the 6 to 7 year construction program including thousands of separate plant item noise sources. Flexibility was important when developing and implementing the model as the scheme, information required or timescales changed throughout the project. John helped to ensure robust methodology for both surveys and modelling on this sensitive project.