

F1:AcousticsCoLtd

PROFILE

Rupert Burton - Director

BSc (Hons) MIOA

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Introduction and Experience

Rupert has seven years acoustics consultancy experience and holds a degree in Audio Technology BSc (Hons) from the University of Salford. He started his acoustics career in 2005, as an Assistant Acoustic Consultant at RPS advancing to Senior Acoustic Consultant. In 2012 Rupert formed F1 Acoustics Co Ltd with Robert Miller in association with F1 Sound Co Ltd.

Rupert has substantial experience in many disciplines of acoustic consultancy including; a range of survey skills for different assessments; environmental assessment for construction noise, site suitability and plant noise assessment including mitigation specification; building acoustics assessment and specification for residential, commercial, education and healthcare developments; and ES and EIA noise and vibration chapters for large developments in residential, commercial, industrial and energy sectors.

Areas of Experience and Key Projects

Industrial

Liaison with local planning authorities; baseline noise and vibration assessment; detailed noise modelling for planning and design; assessment for EIA and chapter authorship; mitigation advice and specification; BS 4142 assessments; assessment of associated HGVs and traffic; environmental permit applications; and assessments in accordance with The Control of Noise at Work Regulations 2005.

- In-Vessel Composting Facility, Heathfield, 2011. Environmental Assessment and authorship of the Noise and Vibration ES chapter for an in-vessel composting facility.
- Tate and Lyle, Biomass Plant, Silvertown, 2009. Responsible for undertaking detailed computer modelling to predict and assess the effects of noise emissions from biomass fuelled boiler plant at the Tate and Lyle Thames Refinery.
- SITA MRF, River Road, Barking, 2008 & 2012. Noise at work assessment.

Entertainment and Events

Liaison with local licensing authorities; baseline noise assessments; noise management plans; assessments of event feasibility; event sound monitoring and management; and event noise predictions.

- Glastonbury Festival, 2009 onwards.
- Latitude Festival, 2008 onwards.
- Alexandra Palace, various events, 2009 onwards.

Energy and Infrastructure

Liaison with local planning authorities; baseline noise and vibration assessment; detailed noise modelling for planning and design; assessment for EIA and chapter authorship; mitigation advice and specification; BS 4142 assessments; environmental permit applications; ETSU-R-97 assessments for wind farms; and assessments of Solar farms.

- Atlantic Array Offshore Wind Farm (on-shore Infrastructure), 2010 – 2011. Environmental Assessment and authorship of the noise and vibration chapter for the effects from the construction, operation and decommissioning of the on-shore electricity substation and cable route on anthropic receptors.
- Llynfi Afan Renewable Energy Park, Wales, 2008. Monitoring, analysis, assessment and the writing of the noise chapter for the Environmental Statement (ES) of the wind farm at the Llynfi Afan Renewable Energy Park.
- Winkleigh Solar Farm, 2011. Noise assessment and report for a proposed solar farm at Winkleigh Airfield, Devon.

Residential and Commercial

Baseline noise and vibration assessments; site suitability assessment in accordance with PPG 24 (withdrawn) and NPPF; mitigation advice and specification; design advice throughout the duration of a project; discharge of conditions; BS 4142 assessments for fixed plant; predictions of noise break-in and internal noise levels in accordance with BS 8233; assessment of associated traffic; and BREEAM assessments.

- Kew Bridge (mixed-use development), 2007 – 2012. ES noise assessment and building acoustics design advice for a large mixed-use development.
- Stockmoor Village, Somerset, 2012. Site suitability assessment for a residential development south of Bridgwater, adjacent to the A30.

Education and Healthcare

Baseline noise and vibration assessments; site suitability assessment; assessment of education facilities in accordance with BB93; assessment of healthcare facilities in accordance with HTM 08-01; predictions of noise break-in and internal noise levels; BS 4142 assessments for associated plant; design advice throughout the duration of a project; and BREEAM assessments.

- Spires Academy, Sturry, Kent, 2008. BB93 and environmental noise assessment for a proposed academy school.
- New Acute Hospital for South West, Enniskillen, 2008 - 2012. Worked on the HTM 08-01 assessment and on-going acoustic advice for the £270 million acute hospital with 24/7 accident and emergency facilities.

Qualifications and Memberships

- Audio Technology BSc (Hons), University of Salford.
- Member of the Institute of Acoustics (MIOA).
- Certificate of Competence: Environmental Noise Measurement, Institute of Acoustics.
- Sound Insulation Measurement Course, Brüel & Kjær.
- Construction Skills Certificate Scheme registered.

Transport

Baseline noise and vibration assessments; road traffic related predictions and assessments in accordance with DMRB, CRTN, Noise Insulation Regulations 1988 and Part 1 of the Land Compensation Act 1973; rail noise predictions in accordance with CRN; predictions and assessment of noise from airport ground operations; and noise modelling and mapping for all modes of transport.

- Heathrow Airport 3RR3, 2011. Provided detailed computer modelling and assessment of ground noise as part of work investigating different options for developing a third runway at Heathrow airport.
- Fastway Guided Bus Project, Crawley, 2007. LCA Part 1 Claims assessment.

Construction Noise and Vibration

Liaison with local planning authorities; noise and vibration impact assessment in accordance with BS 5228; pre-construction noise monitoring; construction noise and vibration monitoring; input into CEMPs and Noise and Vibration Management Plans; advice on the mitigation of construction noise and vibration following Best Practice; and complaint investigation.

- Westfield (Stratford) and Athletes Village (London 2012), 2008 – 2012. Discharge of planning conditions and long-term (4 years) construction noise monitoring.
- Lincs Offshore Wind Farm, 2011. Noise monitoring and investigation into noise complaints arising from the construction (piling) of the Lincs offshore wind farm.