

# NOISE AND VIBRATION

Noise and vibration are significant sources of potential nuisance and annoyance in buildings and in the open environment. Consequently, noise and vibration assessment, prediction and control are imperative in achieving modern noise standards.

Using our in-house expertise and specialist associates, Phlorum is able to provide noise and vibration assessment, modelling and/or monitoring for a range of developments and/or projects.

The key areas we work in are:

- Transport
- Industrial
- Noise at work
- Planning
- Construction

• **TRANSPORT NOISE:** Assessments comparing different proposed schemes, mitigation potential and the production of graphical noise maps.

• **INDUSTRIAL NOISE:** Modelling and assessment of the impacts from industrial and commercial properties.

• **NOISE AT WORK:** Assessment of occupational noise exposure of employees, in line with the Noise at Work Regulations.

• **BUILDING ACOUSTICS:** Assistance in sound insulation tests for compliance under document E of the Building Regulations.

• **PLANNING:** Provision of stand-alone noise and vibration reports or delivery as part of an environmental impact assessment.

• **NOISE MONITORING:** Attended and unattended monitoring.

• **VIBRATION MONITORING AND ASSESSMENTS:** Vibration monitoring and assessments of transport, construction and other sources. Assessments can be undertaken for both building damage to sensitive locations affected by vibration and its effect on humans.



## OTHER SERVICES INCLUDE

- EIA
- Air quality
- Environmental management
- Sustainable building
- Environmental services for construction



**Phlorum Ltd** • Head Office: The Sussex Innovation Centre  
Science Park Square • Falmer • East Sussex BN1 9SB  
T 01273 704449 • F 01273 704499  
E info@phlorum.com • www.phlorum.com  
Other offices in Manchester and Wales