- Noise and Vibration
- Air Quality
- Wind Gust Forecasting
- Weather Forecasting
- Wind Loads on Cranes
- Building Enclosure Consulting
- Building System Commissioning
- Excess Soil Management
- Wind-blown Dust

southdowns environmental consultants

RWDI

DEMOLITION AND CONSTRUCTION:

Noise, Vibration, Air Quality Monitoring

All construction sites are required to manage noise, vibration, dust, and air quality during demolition and construction. Failure to meet regulations can lead to project delays, interventions from regulatory authorities, and negatively impact your project's reputation.

With decades of experience, our in-house team of field technicians, data management technicians, and consultants manage some of the UK's most complex construction-sites. With a history of providing high-quality results using state-of-the-art monitoring tools, we're uniquely positioned to support construction teams with their environmental management, compliance, and risk management activities.

We assist clients with monitoring noise, vibration, dust, and air quality for assessing and controlling:

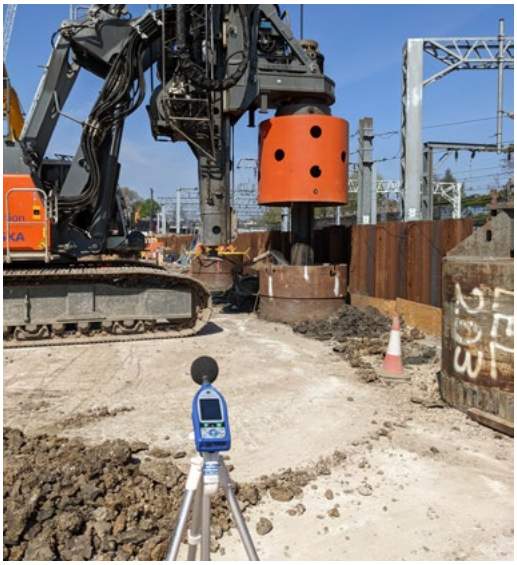
- community disturbance, and other health effects;
- vibration-induced building damage risk;
- potential damage to heritage and other vulnerable assets;
- activity disturbance in highly sensitive facilities or commercial premises;
- occupational health for work force; and
- vibration sensitive equipment.

We can monitor airborne and groundborne noise, groundborne, and structure-radiated vibration, and PM_{10}, $PM_{2.5}$, NO_2, and VOCs, in addition to other emissions. We also conduct odour surveys to measure indoor pollutant concentrations

Continuous Monitoring

Our continuous monitoring solutions provide time-critical data to make informed decisions. Data is collected and displayed in real-time, alerting you to potential issues as soon as they arise. Our services include:

- equipment specification, configuration, bench testing, installation, and de-commissioning;
- managing the continuous logging of monitoring data for the project's duration;
- real-time data streaming to mobile devices;
- providing remote access to equipment for data download and interrogation;
- providing flexible power supply options, including continuous site power, street furniture supply, renewable sources, and eco-friendly power;
- managing noise/vibration/air pollutants trigger thresholds, providing alerts when pre-set values are exceeded; and
- capturing audio recording on trigger level exceedance for investigation.



Our interactive and easy-to-use online dashboard allows historic data viewing and reporting and sophisticated source detection instrumentation.

Attended Monitoring

Our full-service team of technicians and specialists provide on-site attended monitoring services in high-risk situations, as well as for more routine requirements. We have unrivalled experience in conducting attended compliance and audit surveys, including ensuring Best Practicable Means are always employed.

Accreditations

We're a corporate member of the Association of Noise Consultants, accredited under the Achilles RISQS, Achilles UVDB, ConstructionLine, and Achilles Common Assessment Standard pre-qualification schemes.

Our consultants are affiliated with the Institute of Acoustics, Institute of Air Quality Management, and Institution of Environmental Sciences. They also hold Construction Skills Certification Scheme (CSCS) cards.

Our environmental monitoring and equipment management services are certified under our BS EN ISO 9001:2015 and MCERTS. We also operate an Environmental Management System that is certified to ISO 14001:2015.

Want to know more?

Contact us for a complementary initial consultation of your project's construction noise, vibration, and air quality monitoring needs.

Contact enquiries@southdowns.eu.com or visit www.southdowns.eu.com/contact

Looking for other services? Our recent merger with RWDI, an international leader in climate and performance engineering, allows us to offer a wide-range of related services for our demolition and construction clients.

If you want to know more, contact solutions@rwdi.com or visit rwdi.com.