

# AIR QUALITY

Air pollution has the potential to impact everyone, indoors and outdoors, through long-term chronic ill-health effects to short-term nuisance exposure. Consequently, the measurement, prediction, control and management of air pollution is critical to protect the health of employees and the general public.

Phlorum staff have considerable experience in providing air quality consultancy services covering a diverse range of industries and sources of pollution. With a published, academic understanding of air quality issues and experience of expert witness work, we routinely carry out air quality reports for planning applications and Environmental Statement chapters for large schemes requiring detailed Environmental Impact Assessments.

The key areas we work in are:

- **Industrial**
  - **Construction**
  - **Planning**
  - **Transport**
  - **Energy**
- **ROAD TRAFFIC EMISSIONS:** We conduct air quality modelling assessments using screening methodologies, such as the DMRB, or more detailed assessments using a variety of air dispersion models, eg ADMS and the US EPA Caline Suite.
  - **INDUSTRIAL EMISSIONS:** We support industrial and commercial clients with modelling and assessment of the impacts from industrial and commercial properties.
  - **CONSTRUCTION EMISSIONS:** Our clients in the construction industry regularly require modelling and monitoring of the emissions of dust, odours, volatile and toxic compounds from remediation and demolition, construction, commercial and industrial sites.
  - **ODOUR ASSESSMENTS:** Odour is a complicated parameter to measure and much research has been conducted into developing assessment methods and monitoring equipment to replicate this highly complex human sense.
  - **HEALTH & SAFETY:** We can support clients to monitor and assess airborne pollutants in the workplace for example personal exposure and background occupational monitoring.



## OTHER SERVICES INCLUDE

- Environmental services for construction
- Noise and vibration
- Sustainable building
  - EIA
- Contaminated land



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