

**Current Position:** Consultant with Air Quality Consultants Ltd.

**Year of Birth:** 1973

**Nationality:** British

**Qualifications:** BSc Environmental Science and European Studies (1996)

## Key Experience:

Involved in the preparation of air quality assessments for a wide range of development projects, analysis and interpretation of air quality data, and the preparation of updating and screening assessments for local authorities.

## Employment Record:

**2005-date**                      **Consultant, Air Quality Consultants Ltd.**  
Responsible for air quality monitoring and assessments for a range of clients.

**2004-2005**                      **Consultant, Integrated Environmental Systems Ltd.**  
Preparation of audit worksheets, assessed compliance against environmental standards and contributed to audit reports.

## Transport Schemes

### **Air Quality Assessment of A14 Ellington to Fen Ditton, Cambridgeshire (2006-2008)**

Involved in a Stage 2 DMRB assessment for the proposals to upgrade and reroute the A14 between Ellington and Fen Ditton. Including TAG and preparation of AST's.

### **Air Quality Assessment for Truro Transportation Package (2006)**

Responsible for a Stage 2 DMRB assessment for Truro Transportation Package. TAG assessment, including preparation of AST's

### **Air Quality Assessment for A391 St Austell to A30 Link Road (2005-2007)**

Involved in preparation of Stage 3 air quality assessment for new link road. Including use of DMRB.

### **Air Quality Assessment of New Terminal at Bournemouth Airport (2005-2007)**

Involved in preparation of emissions inventory for air quality assessments of proposed new terminal at Bournemouth Airport.

### **Air Quality Assessment of Aberdeen Western Peripheral Route, Scotland (2005-2006)**

Involved in a Stage 3 DMRB assessment for proposed new road to the west of Aberdeen. Included detailed modelling using AAQuIRE.

### **Air Quality Assessment of New Junction Layout, Essex (2005-2007)**

Involved in a Stage 2 DMRB assessment for a proposed junction upgrade scheme on A13/A130 in Essex. Stage 3 assessment carried out using AAQuIRE.

### **Air Quality Assessment for A131 Great Notley Bypass (2005)**

Prepared a Stage 2 DMRB assessment for the A313 Great Notley By-pass. TAG assessment, including preparation of AST's

### **Air Quality Assessment of M8 Upgrade, Scotland (2005)**

Involved in a Stage 2 DMRB assessment for a proposed motorway upgrade scheme in Scotland.

### **Air Quality Assessment of Proposed Thames Gateway Bridge, London (2005)**

Involved in the air quality assessment of a proposed bridge over the Thames in East London. Included analysis of monitoring and dispersion modelling data.

## Residential and Commercial Developments

### **Air Quality Assessment of Residential Development, Newton Abbot (2007)**

Preparation of air quality assessment, covering traffic impacts from a residential development in Newton Abbot. Including modelling of traffic impacts using ADMS roads.

### **Air Quality Assessment of Commercial Development, Suffolk (2007)**

Preparation of air quality assessment, covering traffic impacts from a commercial development in Hadleigh. Including modelling of traffic impacts using DMRB.

### **Air Quality Assessment of Commercial Development, Southampton (2006-2007)**

Preparation of air quality assessment, covering construction impacts and traffic impacts from a large commercial development in Southampton. Including modelling of traffic impacts using ADMS-Roads.

### **Air Quality Assessment of Residential Development, Bath (2006)**

Involved in air quality assessment, covering construction impacts and traffic impacts from a large residential development Bath Western Riverside. Including modelling of traffic impacts using AAQuIRE.

### **Air Quality Assessment of Mixed-Use Development, Midlands (2006)**

Involved in air quality assessment, covering traffic impacts from a development in Worcester. Including DMRB modelling of traffic impacts.

### **Air Quality Assessment of Mixed-Use Development, Central England (2006)**

Preparation of an air quality assessment for a proposed mixed-used development in Cirencester, including traffic-related, rail and industrial air quality impacts.

### **Air Quality Assessment of a Housing Scheme, South Wales (2006)**

Preparation of an air quality assessment for a proposed residential housing development in Cardiff, including traffic-related DMRB modelling, rail and industrial air quality impacts.

### **Air Quality Assessment of Residential Development, NW England (2006)**

Preparation of air quality assessment, covering the potential impacts of existing air quality at a development in St.Helens.

### **Air Quality Assessment of a Housing Scheme, SE England (2006)**

Preparation of an air quality assessment for a proposed residential housing development in Greenwich, including construction, traffic-related, and industrial air quality impacts.

### **Air Quality Assessment of Mixed-Use Development, Sheffield (2005-6)**

Contributed to the on-going air quality assessment, covering construction impacts and traffic impacts from the redevelopment of The Moor area of Sheffield.

### **Air Quality Assessment of a Housing Scheme, Central England (2005-2007)**

Preparation of an air quality assessment for a proposed residential housing development on the outskirts of Gloucester, including construction, traffic-related, and industrial air quality impacts.

### **Air Quality Assessment of Mixed-Use Development, NW England (2005)**

Involved in air quality assessment, covering construction impacts and traffic impacts from a development in the Wigan Pier Quarter. Including AAQuIRE modelling of traffic impacts.

### **Air Quality Assessment of Mixed-Use Development, SE England (2005)**

Involved in air quality assessment, covering traffic impacts from a redevelopment in the Hemel Hempstead. Including DMRB modelling of traffic impacts.

### **Air Quality Assessment of a Housing Scheme, South Wales (2005)**

Preparation of an air quality assessment for a proposed residential housing development in Cardiff, including construction, traffic-related, and industrial air quality impacts.

### **Air Quality Assessment of a Housing Scheme, Central England (2005)**

Preparation of an air quality assessment for a proposed residential housing development on the outskirts of Banbury, including construction, traffic-related, and industrial air quality impacts.

## Industrial Developments

### **Air Quality Assessment of a Quarry Redevelopment, Central England (2006 - 2007)**

Contributed to the EIA for the proposed redevelopment of quarry. A detailed assessment of the potential impact of dust emissions was carried out, which involved an extensive baseline survey and DMRB modelling.

### **Air Quality Assessment of Float Glass Company, Saudi Arabia (2006)**

Contributed to air quality assessment, covering the impacts of a new glass manufacturing facility using AERMOD.

### **Air Quality Assessment of a Clinical Waste Incinerator and Crematorium, Gibraltar (2006)**

Contributed to assessment, included a detailed dispersion modelling study to quantify the impacts.

### **Air Quality Assessment of an Industrial Estate, Central England (2005)**

Preparation of an air quality assessment for a proposed industrial development in Brackley, including construction, traffic-related, and industrial air quality impacts.

### **Air Quality Assessment of an Industrial Estate, Central England (2005)**

Preparation of an air quality assessment for a proposed industrial development in Desborough, including construction, traffic-related, and industrial air quality impacts.

## Local Air Quality Management

### **Assessment of Local Authority Review & Assessment Procedure (2005-2007)**

Ongoing contribution to Defra and Devolved Administrations contract, including the collation of new monitoring data from Air Quality Review & Assessment reports to assess against EC limit values. Contract carried out in co-operation with University of West of England.

### **Detailed Assessment (2007)**

Contributed to analysis of air quality monitoring data for Worcester.

### **Further Assessment (2006)**

Contributed to the ADMS modelling of air quality in the centre of Gateshead.

### **Local Authority Further Assessment (2005)**

Contributed to the Further Assessment of air quality in the Tyne and Wear region, where a number of AQMA's have been declared.

### **Regional Air Quality Project (2005)**

Contributed to the Yorkshire and Humber Regional Air Quality Project. Liaised with local authorities, collated, analysed and presented data.

### **Local Authority Progress Report (2005)**

Contributed to the Progress Report for Monmouthshire County Council.

## Ambient Air Quality

### **Air Quality Monitoring, Fenland (2006-2007)**

Responsible for contacting and collecting data from automatic air quality monitoring equipment, including organising audit and service of the operating equipment.

### **Air Quality Monitoring, London City Airport (2006-2007)**

Responsible for contacting site daily to check that automatic air quality monitoring equipment is operating satisfactorily and presenting weekly data.

### **Road Construction Scheme, Southern England (2006-2007)**

Responsible for reporting the results of dust monitoring programme at a dust sensitive process adjacent to a large road construction scheme.

### **Dust Monitoring, Sheffield (2006-2007)**

Responsible for reporting the results of dust monitoring programme at proposed residential development impacts arising from adjacent industries.

### **Nitrogen Dioxide Survey, Cardiff (2005)**

Contributed to an air quality survey around Cardiff International Airport, involving diffusion tube monitoring, to provide baseline information for the air quality assessment prepared as part of the Airport Masterplan 2006.