



Experts in intelligent solutions for the environment.

London • Bristol • Warrington • Brussels

‘ We have helped our clients gain planning consent for hundreds of projects over our near 30-year history ’

Chris Whall, Director

## INTRODUCTION

The Logika Group provides clients with a broad range of high quality environmental and design consultancy services. We specialise in the fields of air quality, climate change, noise, biodiversity, water management, green infrastructure, natural capital, environmental policy and socio-economics.

As a small to medium-sized enterprise, we pride ourselves on being able to:

- Service a wide range of our clients’ needs.
- Employ the best people to provide the highest quality advice.
- Work closely together to deliver innovative cross-disciplinary solutions.
- Respond quickly and efficiently.
- Offer value for money.

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### Evolution of the Group

The Logika Group comprises Air Quality Consultants Ltd, Noise Consultants Ltd and Logika Consultants Ltd. Air Quality Consultants was established in 1993 and has become the leading independent air quality and climate change practice in the UK.

The Directors of Air Quality Consultants established Noise Consultants and Logika Consultants to provide clients with a wider range of environmental and design consultancy services. Managed by a single leadership team, the Logika Group is made up of more than 70 environmental experts. We aim to offer the flexibility of a smaller company, with the depth and multidisciplinary skills of a larger one.

### Excellent Track Record

We have a strong and proven track record in providing environmental services to private and public sector clients, both within the UK and overseas. The sustained growth for almost 30 years has been founded on the delivery of high-quality services, with a high volume of repeat business from satisfied clients.

We have been involved in UK Government expert groups and European Commission working groups; frequently provided expert evidence at Public Inquiries; and helped clients gain planning consent for hundreds of projects.

# OUR SERVICES

The Logika Group offers leading expertise in the following environmental strategy, design and assessment services:



Air Quality, Dust & Odour



Noise & Vibration



Biodiversity



Green Infrastructure



Flood Risk



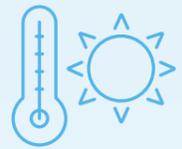
Environmental Consenting



Environmental Economics



Environmental Policy



Carbon & Climate Change



Soundscape Design



Natural Capital



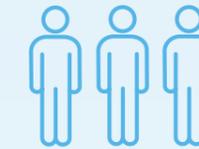
Landscape Design



Sustainable Drainage



Environmental Mitigation



Socio-Economics



Health Impacts



‘ We believe that our future relies on environmental consultancy that supports progressive and sustainable development, and a healthier world ’

Toby Gibbs, Director

## OUR PHILOSOPHY

### Environment at the Heart

The Logika Group was established to provide clients with a unique approach to environmental consultancy and design.

We are experts in environmental policy, permitting and regulation. By working with a project team from its inception, we are able to provide advice that helps our clients navigate the often-complex planning process.

Our aim is to embed environmental objectives into the heart of projects from the outset, to create more sustainable outcomes and better places for people and wildlife. We work at all stages of the project life cycle but with a focus on helping developments gain planning consent.

### Science-Based Solutions

Our leading technical experts can provide recommendations for scheme optimisation to minimise impacts and maximise opportunities, before undertaking formal assessments that help meet planning requirements.

As a project evolves, our designers work closely with our specialists to create design solutions which are based on robust environmental science. In doing this, we seek to allow development to occur, while adding value by ensuring that it does so in the most sustainable manner possible.



# SUSTAINABLE OUTCOMES



Air Quality Positive Developments



Carbon sequestration



River restoration and reinstatement



Natural flood mitigation



Sustainable water management



Improved health and well-being



Tranquil spaces and soundscapes



Ecological habitat enhancement



Biodiversity Net Gain



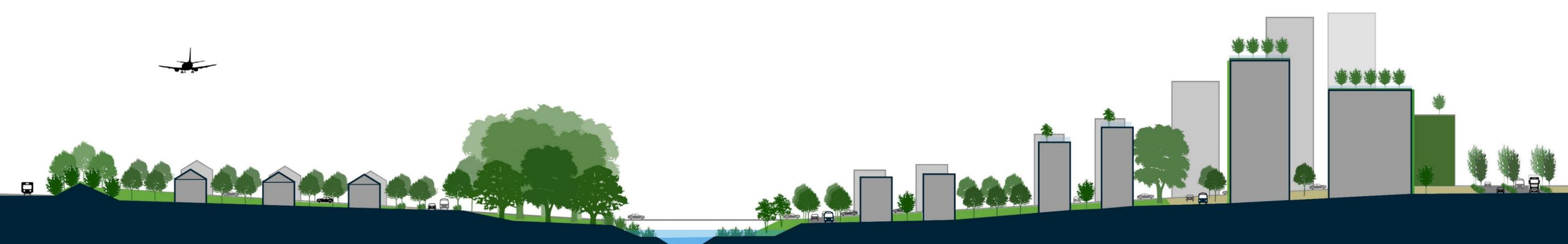
Improved connectivity for people and wildlife



Multifunctional green infrastructure



Landmark sustainable developments



Our aim is to embed environmental objectives into the heart of projects to create more sustainable outcomes.

Through a science-based, cross-disciplinary approach we deliver multifunctional, cutting-edge solutions.

‘Our directors and topic leads play a ‘hands on’ role in projects, providing direct benefit of our extensive experience and technical skills.’

James Trow, Director

## THE LEADERSHIP TEAM



**Chris Whall** BSc (Hons) MSc MEnvSc MIAQM CEnv

Chris is Managing Director of Air Quality Consultants Ltd and Director of the Logika Group. Chris is a Chartered Environmentalist with particular expertise in the management and delivery of complex air quality and carbon assessments.

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**Stephen Moorcroft** BSc (Hons) MSc DIC MEnvSc MIAQM CEnv

Stephen is a Director of Air Quality Consultants Ltd and the Logika Group. He is a leading air quality expert, has given evidence at numerous public inquiries and served on various UK & EC committees and working groups, including the Air Quality Expert Group.

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**James Trow** BSc (Hons) MIOA MEnvSc

James is Managing Director of Noise Consultants and a leading expert in acoustics, noise and vibration. He is known for innovative technical solutions and his passion for programming. His experience includes major roles on airport development projects and HS2.

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**Toby Gibbs** BSc (Hons) MCIEEM CEnv

Toby is Managing Director of Logika Consultants, an ecologist and an expert in environmental legislation and policy. He is a champion of embedding environment into design and led the environmental work for the Heathrow Expansion (Runway 3).

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**Ben Grebot** BSc (Hons) MSc DIC

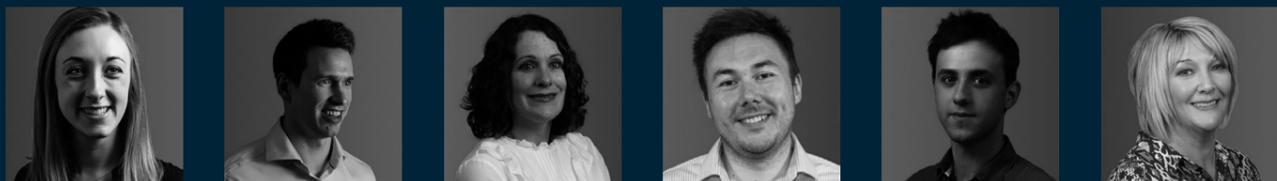
Ben is Director of Environmental Policy & Economics for the Logika Group. He has extensive experience in the delivery, management and direction of high-profile environmental policy projects for public and private sector clients around the world.

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# THE TEAM



‘ Our staff are regular members of specialist government and industry groups - testimony to our renowned expertise ’

Stephen Moorcroft, Director





## Cambridge East Call for Sites

Up to 12,000 homes were proposed at the 300 ha site of Cambridge City Airport. The Logika Group, as environmental lead, prepared a green infrastructure strategy with a 100 ha 'green corridor' at its heart, providing Biodiversity Net Gain, recreation and a link to Wicken Fen Vision. Innovative water solutions were harnessed with captured rainwater returned to the aquifer and reused by the development. The depleted aquifer would also be enhanced through infiltration of treated greywater. Embodied carbon would be offset by fen restoration, woodland planting, wildflower meadows and pasture.



## Twickenham Film Studios

The film studios are being refurbished, enhanced and extended, with environmental expertise provided by the Logika Group. We undertook a Flood Risk Assessment and Drainage Strategy, seamlessly integrating green and blue roofs to maximise surface water reduction within the constraints of the existing buildings. An air quality assessment and noise impact assessment were also prepared, including baseline surveys. The Logika Group liaised with the design team throughout to ensure that all environmental aspects were incorporated within the design to meet the strict planning timescales.



## The Expansion Project for Heathrow Airport

Heathrow Expansion is one of the UK's largest developments. Over ten years, the Logika Group team had key environmental roles in the project. This included leadership of the environmental strategy and design, and overall responsibility for the Environmental Impact Assessment. We were also responsible for the air quality and aircraft noise assessments, and for developing a major green infrastructure strategy. The Logika Group was commended by the client for ensuring that environmental matters were a key component of the design and for developing innovative methods to assess and present complex assessments.



## Redevelopment of Olympia Exhibition Centre

The Logika Group undertook an air quality impact assessment; prepared a Dust Management Plan; provided design advice on the proposed energy centre; and developed a green infrastructure (GI) strategy to reduce exposure to air pollution around the site's boundaries. In developing the GI strategy, our landscape architects and air quality consultants developed a scientific approach that utilises interventions to keep people away from sources of pollution; shields people from sources; and manipulates air flows to disperse pollution away from areas where people congregate.



## Curzon Circle, Birmingham

The project was a proposed 14-storey tower development, providing 365-bed student accommodation in Birmingham, located in the vicinity of the landmark proposed High Speed Two (HS2) Birmingham Curzon Street rail station. The Logika Group undertook the noise and vibration, and air quality assessment in support of the proposed development, which included comprehensive surveys, and 3-dimensional noise modelling. Unanimous approval was secured and significant objections by the Local Authority on air quality and noise grounds were addressed through post-submission consultation.



## Jersey Cudweed Conservation for Galldris

The Logika Group was commissioned to produce a method statement to ensure the conservation of the protected plant, Jersey cudweed, which grows on a site in East London, where a development of 785 homes is proposed. The Logika Group surveyed the site and identified specifically where the plant occurs; and then produced a strategy to ensure its conservation. This entailed designing a new 'nature reserve' specifically into which the species could be translocated, and which was integrated into the wider landscape design. The proposals are to be implemented during 2021 under Natural England licence.



## Wembley Park Regeneration for Quintain

The Logika Group provided environmental support for ten years to one of Europe's largest regeneration projects, located adjacent to Wembley Stadium. In May 2016, Brent Council approved a masterplan for Wembley Park to deliver 4,850 new homes; significant office and retail space; and new car park facilities. To meet planning requirements, we produced the air quality chapter for the Environmental Statement and have continued to provide support to the evolving scheme design, undertaking further environmental assessments for a number of Section 73 and Reserved Matters Applications.



## A New Crematorium for Bluebell Cemetery

After a planning application was refused for a crematorium at a cemetery next to ancient woodland, the Logika Group was engaged to ensure effects on the woodland from crematorium emissions and ash strewing, were acceptable. Air quality was modelled and design changes to the crematorium proposed, to ensure no impact to the woodland. Furthermore, a landscape design was developed, which included a circular footpath and ash strewing area, so that visitor pressure could be managed and biodiversity enhancement achieved. All planning objections on these grounds were then withdrawn.



## New Football Stadium for Tottenham Hotspur

The Logika Group prepared the air quality chapter of the Environmental Statement for Tottenham Hotspur's new stadium. This was granted planning permission in April 2016 and included a number of planning obligations including the development of an Air Quality Monitoring Plan. We prepared this plan, and following approval by Haringey Council, installed and now operate an automatic air quality monitoring station and a diffusion tube network around the stadium. By demonstrating that the use of the stadium does not significantly affect local air quality, further mitigation measures were not required.



## New Airport Terminal for Leeds Bradford Airport

Leeds Bradford Airport is seeking to replace its existing terminal building with a more efficient and modern building, and to alter the airport's night-time flight restrictions. The Logika Group prepared noise and vibration, air quality and climate change chapters for the Environmental Statement. Our technical scope included the development of a detailed policy-compliant, net zero carbon roadmap to facilitate future growth whilst meeting regional and national carbon emission ambitions and avoiding additional contribution to climate change beyond 2030.



## HS2 Terminus at London Euston

Throughout the 4-year construction programme, the Logika Group will be providing a comprehensive range of air quality, noise and vibration consultancy services to support the Mace Dragados joint venture with the management of potential impacts arising from construction of the new landmark HS2 terminus at London Euston. The Logika Group's involvement will ensure that construction of the new station takes place in accordance with the Environmental Minimum Requirements, HS2 Technical Standards and industry best-practice, minimising the risk of programme delays and added costs, and aiding stakeholder relations.



Courtesy of Grimshaw

## Joint Nature Conservation Committee (JNCC)

As part of the JNCC's 'Nitrogen Futures' project, the Logika Group modelled how exceedances of the critical levels and critical loads, which are set to protect biodiversity from air quality impacts, will change in the future if we meet our national emissions targets for 2030. The results show that large numbers of sites are predicted to continue to exceed their critical loads even beyond 2040. We therefore considered whether additional mitigation could be best delivered through national emissions strategies or by locally targeted measures around sensitive habitats.



## Managing Water Sustainably for IFF

The Logika Group delivered a comprehensive Water Audit and Efficiency Study for International Flavours and Fragrances to assess their water use at a site in Haverhill. Taking a holistic approach to the water cycle, the Logika Group is now investigating and implementing drainage management solutions, harnessing existing resources and retrofitting SuDS. The ultimate solution requires balancing water supply, use and discharge. Our approach increases sustainability, reduces the cost of purchasing potable water for processing, and disposes of rainwater from the site in a sustainable manner which reduces flood risk.



## Altalto Sustainable Jet Fuel Facility

This process thermally treats household and commercial wastes in a gasifier to produce a synthetic gas which is ultimately refined to create a jet fuel. The Logika Group undertook the detailed air quality assessment and quantified the impacts of emissions from this very complex site on local human health and ecological receptors, notably the Humber Estuary SAC. It was identified that the process would lead to an estimated net CO<sub>2</sub> saving of over 80,000 tonnes per year. In June 2020, North East Lincolnshire Council formally granted planning permission.



## Greater London Authority (GLA)

The Logika Group has provided evidence on the impacts of air pollution to support the development and implementation of air quality policy in London, including the London Plan. We have developed options to deliver "air quality positive" and updated benchmarks for "air quality neutral"; we have undertaken a detailed assessment of health evidence on air quality; developed potential policy options, to further address the exposure of vulnerable populations to air quality; and we undertake the technical reviews of air quality assessments for planning applications considered by the Mayor.



## Cambridge City Airport Radar

A new radar was required at Cambridge City Airport. The Logika Group acted as environmental consultant, undertaking a high level assessment of all environmental aspects, including: detailed noise modelling and mitigation; biodiversity; air quality; transport; hydrology and hydrogeology; and the historic environment. The potential effects on contaminated land; carbon and climate change; major accidents; and human health were also assessed to ensure robustness. This multidisciplinary approach highlights the Logika Group's breadth of expertise in undertaking and advising on environmental planning.



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