



Experts in intelligent solutions for the environment.

London • Bristol • Warrington • Leeds • Brighton • Brussels

**We offer the flexibility and personal service of a small company, with the depth and multidisciplinary skills of a larger one.**

**Chris Whall, Director**



## **INTRODUCTION**

Logika Group is one of the UK's leading independent environmental consultancies, underpinned by a growing team of over 100 experts in environmental policy, strategy, design, and assessment.

With offices in London, Bristol, Warrington, Leeds, Brighton and Belgium, Logika Group comprises of four specialist sister companies: Logika Consultants, Air Quality Consultants, Noise Consultants and Logika Europe, with an Environmental Policy and Economics team working horizontally across the Group.

Over the last 30+ years, we have achieved sustained growth and honed our provision of high-quality services, while securing a large volume of repeat business from satisfied clients.

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
- Provide a personal service
- Deliver innovative cross-disciplinary solutions
- Respond quickly and efficiently
- Offer value for money

With a proven track record of success, Logika Group has been involved with UK Government expert groups and European Commission working groups, provided expert evidence at Public Inquiries, and helped clients gain planning consent for thousands of projects.

# OUR SERVICES

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



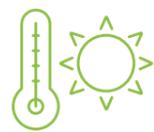
EIA Coordination



Air Quality, Dust & Odour



Biodiversity Net Gain



Carbon & Climate Change



Ecology



Environmental Economics



Environmental Permitting



Environmental Policy



Flood Risk



Green & Blue Infrastructure



Health Impacts



Landscape Design



Landscape & Visual Impact



Net Zero



Noise & Vibration



Sustainable Drainage



Sustainability



Socio-Economics



OUR PHILOSOPHY

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

James Trow, Director

## ENVIRONMENTAL SCIENCE

### Environment at the Heart

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 an initial focus on helping developments gain planning consent.

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.

### Science-Based Solutions

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 support development, while adding value by ensuring that it does so in the most sustainable manner possible.

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.



We want everyone to be able to breathe clean air, have access to green space and enjoy contact with nature.

Stephen Moorcroft, Director

## HEALTH & WELLBEING

### Cleaner Air

Human health and wellbeing is one of the core considerations of what we do. Our air quality consultants are leading experts in air pollution and we carry out air quality, odour and dust assessments for several hundred projects each year.

Our air quality consultants also work in close collaboration with our landscape architects to devise strategies to reduce people's exposure to nitrogen dioxide and particulate matter from vehicle emissions.

### Biophilia

Our landscape architects, ecologists and sustainable drainage engineers collaborate to design multifunctional green spaces, which improve health and well-being and provide opportunities to connect with nature.

We are committed to creating spaces where people can enjoy being outside, interact with neighbours, exercise and even grow their own produce. This includes maximising roof space – an important fifth elevation – that offers long distance views and lots of sunlight.

### Anti-Allergy Landscapes

We are experts in anti-allergy landscapes which minimise exposure to allergenic pollen for people who suffer from hay fever and respiratory diseases.



We constantly strive for improvement through research and development

Dr Ben Marner, Director

## INNOVATION

Logika is at the forefront of driving innovation within the environmental consultancy sector.

### Data Collection

We utilise the latest technologies to collect baseline data. This includes aerial photography, remote sensing and artificial intelligence to generate desk top analysis of a site's land uses. What's more, we utilise the latest software to accurately record environmental information whilst on site.

### Design Optioneering

Logika uses online mapping technology for sharing environmental and design information, and to support design optioneering. We prepare web-based information to ensure that datasets are managed with version control. All datasets are visible using a web browser, and

with functionality that allows others to create their own maps facilitating interactive design optioneering and assessment.

### Interactive Reporting

Our Dynamic Reporting System (DRS) offers user interrogation, allowing analysis of results rather than merely viewing them 'on-page'. The reports are designed with intuitive interactive features to aid user analysis, making them much more accessible and immersive compared to conventional reports.

Clients, technical and non-technical stakeholders have commented that they are much more accessible and immersive than conventional reports.



We take pride in using our skills  
to help local communities.

Toby Gibbs, Director

## SOCIAL VALUE

### Our social value pledges are:

- To help strengthen communities so that everyone lives well and safely together.
- To help sustain resilience, improving both physical and mental wellbeing.
- To help support high quality education and training that enables people to fulfil their potential.
- To protect and enhance our environment.
- To ensure that the same principles are applied to purchasing, trading, and collaboratively working with partners.

### Stillness School Project

Our landscape design and ecology teams donated their time and skills to a primary school in southeast London, to help create a new external learning and wildlife garden in the playground.

The work included consultation with staff and children, concept designs, planting plans, funding applications, tender support and construction monitoring.

The scheme, on the site of a former portacabin, has transformed a hard and barren playground into a biodiverse green space, with a wildlife pond, outdoor classroom, raised food growing beds, willow tunnels, butterfly garden and tree planting. See photos opposite.



*The playground before*



*Laying the metal edging*



*Pre-planting*



*New allotment beds*



*Opening day*



*Memorial name plaque*

OUR SKILLS

We use the EIA process to fully embed sustainability into a development proposal.

Guido Pellizzaro, EIA Coordination Lead

## ENVIRONMENTAL IMPACT ASSESSMENT

With extensive experience, our Environmental Impact Assessment (EIA) team have helped to deliver comprehensive assessments for major developments and infrastructure projects throughout the UK. This includes leveraging the EIA process as a driver to ensure environmental and wider sustainability matters are fully embedded within the design, construction and operation of a development.

With the ability to use technical services in-house and through our relationships with other specialists, we are able to facilitate timely planning decisions on complex environmental matters, that are proportionate and cost-effective to our clients' needs.

More than just a box-ticking exercise, our EIA services are driven by a dedicated co-ordination team who work collaboratively with the technical, design and legal teams to deliver robust environmental assessments for planning.

Ultimately, we pride ourselves on creating and contributing to a 'one team' environment, ensuring the environmental technical team feel intrinsic to the project, resulting in better outcomes for the client, the development, the end users and the planet.



### EIA Coordination

Advice to minimise environmental impacts and ensure a proportionate response. Producing Screening Reports, Scoping Reports and Environmental Statements.



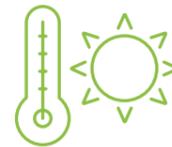
### Air Quality

Air quality, dust and odour monitoring services. This includes preliminary design advice, screening assessments and detailed assessments.



### Biodiversity

Biodiversity specialists covering ecological survey, assessment and biodiversity net gain in the terrestrial, aquatic and marine environments.



### Carbon & Climate Change

Supporting clients with a range of climate change services, includes greenhouse gas and climate change resilience assessments.



### Health

Undertaking of bespoke and planning-focused Health Impact Assessments. This includes health impact modelling and qualitative exposure assessments.



### Hydrology and hydrogeology

Provision of flood risk, water and drainage design services. This includes producing Flood Risk Assessments and Sustainable Drainage (SuDS) design.



### Landscape/Townscape & Visual Impact

Analysis and assessment of landscape/townscape visual effects from initial site appraisals to preparation of impact assessments for EIA; and mitigation design.



### Noise & Vibration

Provision of acoustics, noise and vibration services. This includes noise monitoring, modelling and building acoustic design advice.



### Socio-Economics

Provision of social and economic services. This includes evaluating social infrastructure provision, equality and quality of life impacts and economic effects.

We are a leading provider of acoustics, data and digital services, setting industry standards for excellence and innovation.

George Gibbs, Director of Environmental Acoustics

## ACOUSTICS, NOISE & VIBRATION

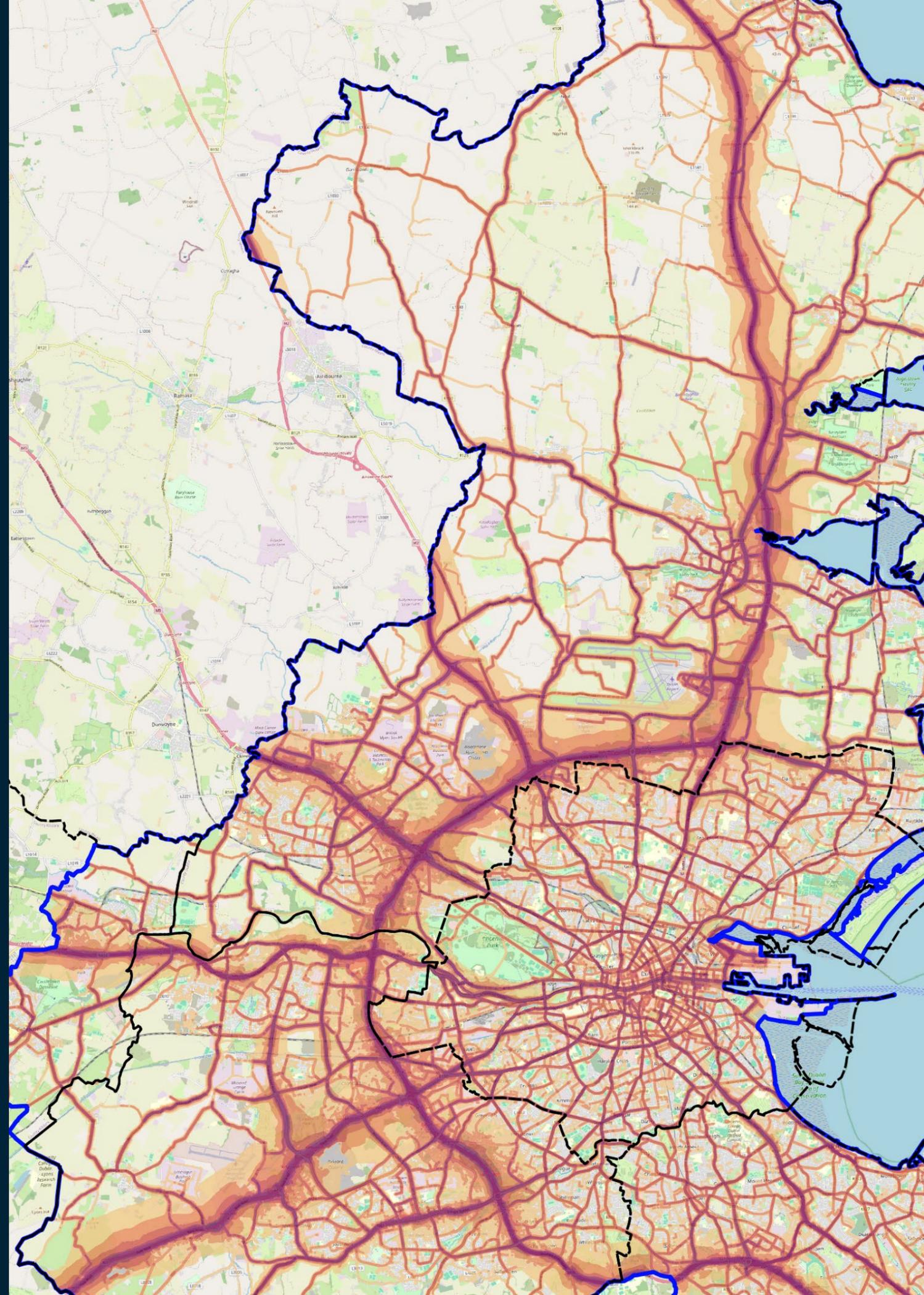
With decades of experience, we are the UK's leading provider of acoustics, data, and digital services, setting industry standards for excellence and innovation. Our global projects offer targeted advice and solutions that improve community quality of life.

We are experts in GIS systems and spatial databases, utilising geospatial data processing and developing bespoke calculation methodologies to create tailored solutions. Our expert team has held key technical roles in Environmental Impact Assessments (EIA) for projects requiring Development Consent Orders (DCO) and have experience in a wide range of sectors, primarily:

- Aviation
- Transportation
- Power
- Renewables
- Commercial
- Residential

As global leaders in aircraft noise management, we have developed bespoke software tools and conducted studies for major airports like Heathrow, Dublin, and Gatwick. We also led the fourth round of strategic noise maps in the UK and Ireland, focusing on research, development, and implementation. Furthermore, our development of Defra's noise modelling system, an automated modelling and high-performance computation innovation, won the 2023 Association of Noise Consultants Innovation Award.

We advise UK, European, and global policymakers and regulators including the European Commission and the UK's Department of Transport on environmental noise management and noise action plans. Our expertise integrates recent noise and health research, driving policy advancements. By integrating noise and vibration early in the design process, we ensure compliance with legislation and enhance end-user quality of life.



Our scientific understanding enables us to integrate better air quality into development designs.

Dr Ben Marner, Director of Air Quality Modelling and Assessment

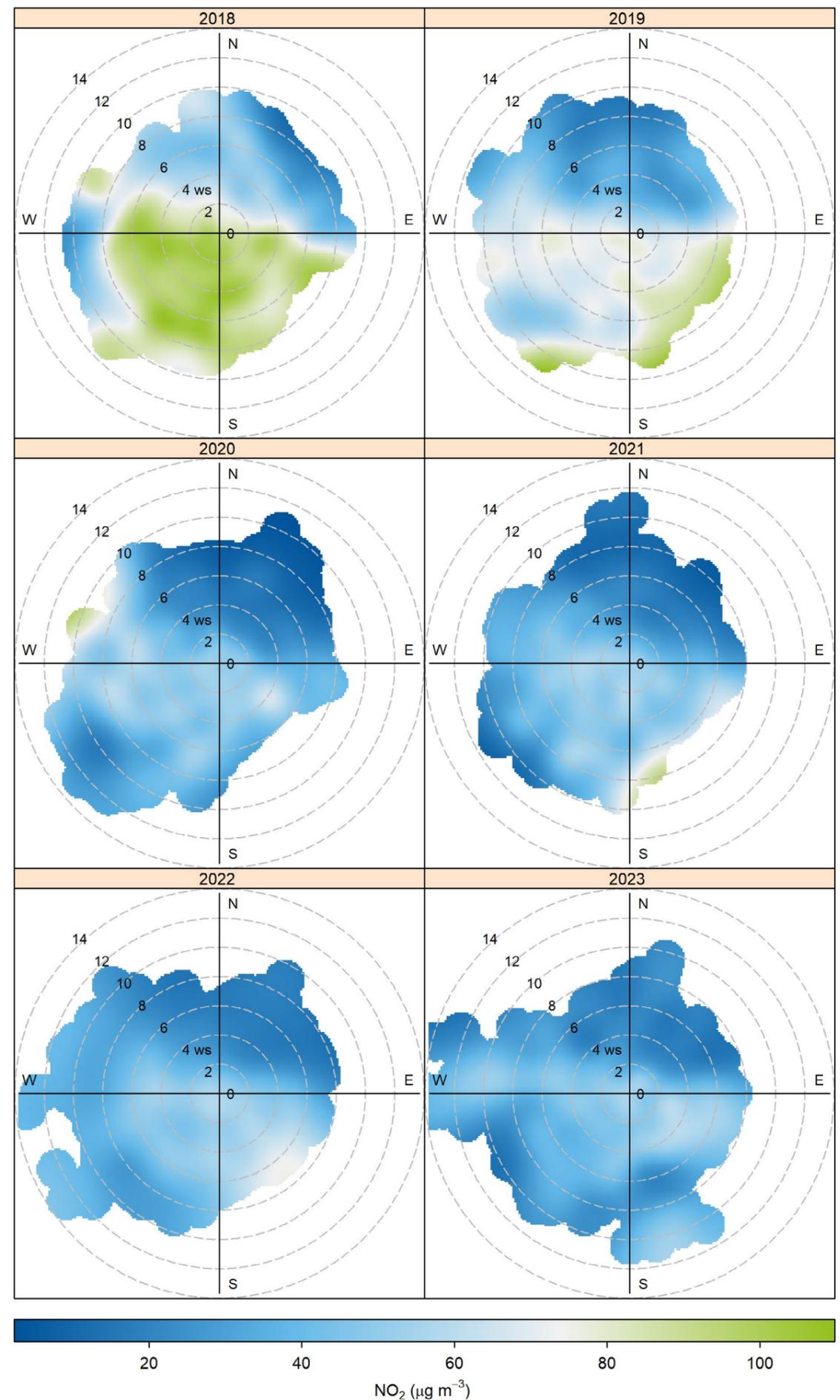
## AIR QUALITY

We have been at the forefront of air quality management, in the UK and internationally, for more than 30 years. Our staff led the development of many of the air quality criteria, guidance and assessment methods adopted by the European Commission and UK regulators for impacts on human health and biodiversity. Our expert team also pride themselves on their expertise in:

- Advising the UK Government and its agencies on air quality issues to remain at the cutting edge of emerging policies
- The provision of air quality assessments using monitoring and field surveys, semi-quantitative studies, and detailed numerical modelling.
- Designing the London Plan requirements for Air Quality Positive and Air Quality Neutral assessments.

- Manage issues related to outdoor and indoor air quality, nuisance dust, odours, pollutant emissions, damage costs and mitigation.
- Provide air quality assessments to support planning, permit, and Development Consent Order applications for projects across a wide range of sectors.
- Assess the suitability of sites for future proposed uses, while considering effects on human health and biodiversity.

We pride ourselves on taking time to understand our clients' needs and tailor our services accordingly.



We deliver better habitats for wildlife through surveys, assessment, policy and Biodiversity Net Gain services.

Alan Kirby, Biodiversity & Ecology Lead

## BIODIVERSITY & ECOLOGY

Logika Group offers a full range of biodiversity and ecology services including survey, assessment, policy development and Biodiversity Net Gain (BNG) in the terrestrial, aquatic and marine environments.

The need for action to halt the decline in biodiversity is well known. As legislation and policy strengthens so that it supports the protection and enhancement of biodiversity, the services we offer become ever more relevant. Our assessments range from simple Preliminary Ecological Appraisals, to more complex support for Environmental Impact Assessments.

We are also experts in helping projects achieve Biodiversity Net Gain (BNG). BNG is legislation designed to increase and improve natural habitats for wildlife. BNG makes sure development has a measurably positive

impact on biodiversity, compared to what was there before. In England, BNG is now mandatory under Schedule 7A of the Town and Country Planning Act 1990. Developers must deliver BNG of at least 10%. This means a development will result in more or better quality natural habitat.

Logika Group has extensive experience in delivering BNG across a range of developments. The process involves an initial survey and assessment of losses. Our design team then identify appropriate opportunities to reduce losses and deliver more habitat. Finally, calculations are undertaken to establish the net gain and any necessary design adjustments made to meet any shortfall.



We help clients shape net zero-aligned projects which are adaptive and resilient.

Laurence Caird, Carbon & Climate Change Lead

## CARBON & CLIMATE CHANGE

Logika Group offers a wide range of climate services, including:

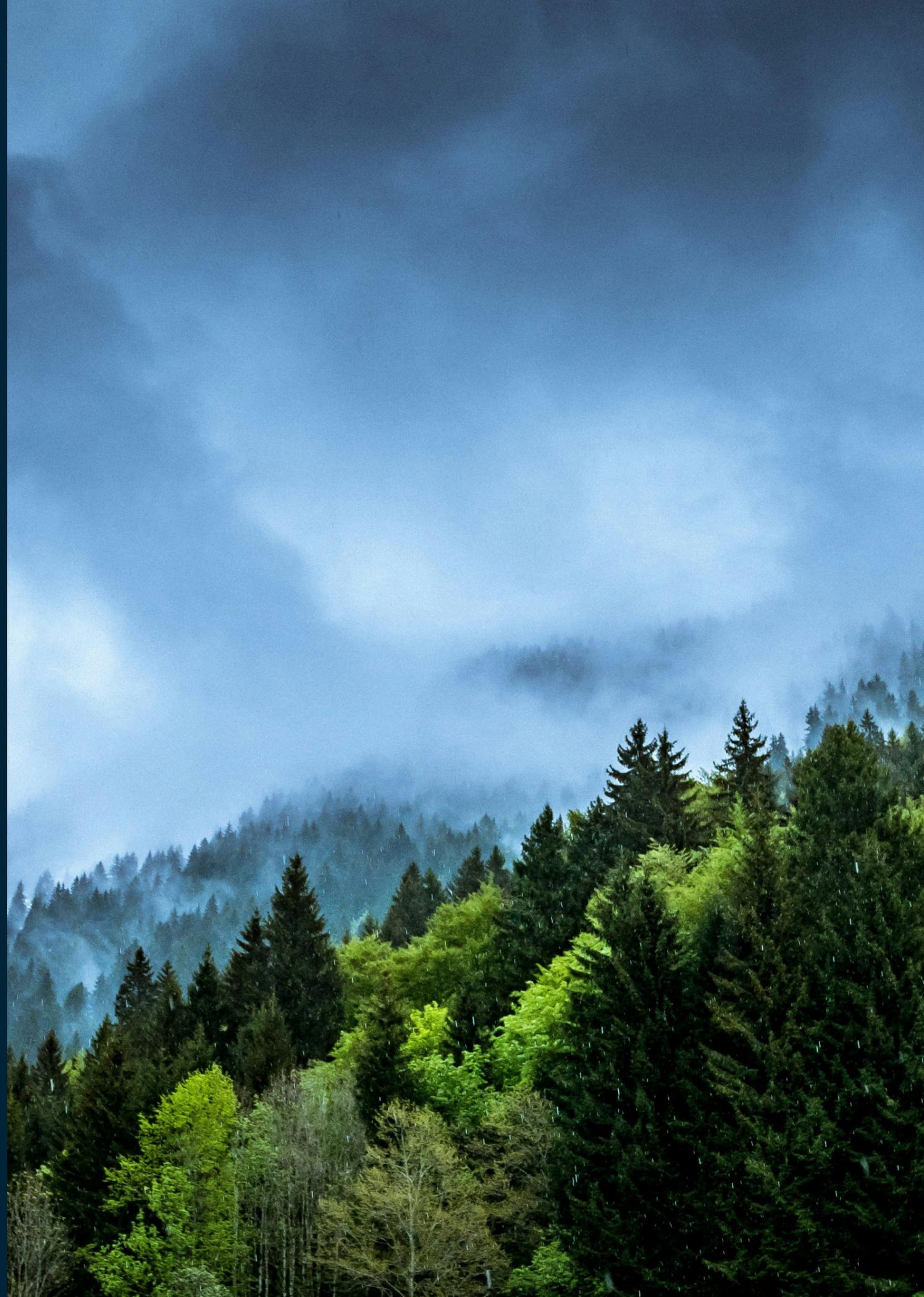
- Greenhouse Gas [GHG] assessment and inventories
- Climate resilience and adaptation assessment
- Carbon footprints and auditing
- Net zero planning and strategy

Our experienced team support our clients in navigating the complex and challenging world of climate change reporting, management, and corporate responsibility, and the pathway to reducing carbon emissions and achieving net zero.

In addition, we are also at the forefront of climate change policy development through projects for governments and key policy makers, such as the European Commission.

In the planning realm, it is a mandatory requirement for Environmental Impact Assessment (EIA) developments to consider the impact of a development on climate change. We have a wealth of experience supporting developers and infrastructure managers in the production of GHG and climate change assessments to support EIA. We work with clients to help design buildings and projects with low and well-managed GHG emissions, which are net zero aligned, and which are adaptive and resilient to future climate change.

Our experience covers a vast spectrum of development projects from residential and commercial schemes to large-scale aviation infrastructure projects, renewable energy schemes, and industrial and waste management installations. Across all sectors we provide a bespoke approach tailored to our client's needs and look to spotlight climate change benefits and best practice in development projects.



Our permitting experts ensure regulatory compliance for businesses, and deliver environmental protection.

Adam Clegg, Permitting Lead

## ENVIRONMENTAL PERMITTING

Logika Group's environmental permitting experts provide a comprehensive service to manage and deliver environmental permit submissions to regulators. We effectively manage the entire process: From the initial pre-application consultation and the development and submission of the application forms and supplementary technical information to handling post-submission queries and the discharge of pre-operational or improvement conditions.

Our service offering is flexible, whether clients simply require initial guidance on the need or type of permit required or need support in completing the entire or just specific areas of the application. This can also include the development of supporting technical studies including – but not limited to – Best Available Technique [BAT] assessments, air quality assessments, noise impact assessments, site condition reports, surface water risk assessments and management plans

We routinely produce permit applications for new sites; variations to existing permits; transfer

and partial transfer of permits; and ongoing compliance assessment, through to closure and surrender. Our experience covers Standard Rules and Part B permits through to the most complex Part A(1) installation permits. We have extensive sector experience including:

- Refining
- Large and medium combustion plant (including data centres)
- Organic and inorganic chemicals
- Ferrous and non-ferrous metals
- Food and drink
- Waste treatment
- Waste incineration
- Minerals
- Pulp and paper
- Glass
- Ceramics
- Animal by-products
- Surface treatment (of metals and using organic solvents)



We support the design, implementation, and evaluation of effective and efficient environmental legislation worldwide.

Ben Grebot, Director of Environmental Policy and Economics

## ENVIRONMENTAL POLICY & ECONOMICS

Our Environmental Policy and Economics team operates across all divisions of Logika Group, collaborating with local, regional, and national governments and agencies, international organisations (including the United Nations, development banks and the European Commission), non-governmental organisations, and businesses globally.

We specialise in developing, understanding, and improving environmental policies by providing high-quality advice, strategic insights, and thorough scientific and economic analysis throughout the policy lifecycle.

Our services include:

- Problem identification
- Policy development
- Implementation support and assessment
- Policy evaluation and review

We assist our clients in a variety of areas, including: air quality and emissions; noise; industrial pollution control and safety; climate change; water; waste and resources; chemicals; circular economy and natural capital.

Our policy support services are underpinned by rigorous economic and socioeconomic analysis. We apply quantitative and qualitative methods to explore the environmental, social and economic impacts of a respective policy, including cost-benefit and cost-effectiveness analyses, using bespoke models aligned with relevant guidance. Our extensive experience includes market assessment, valuing environmental goods, and exploring the geographic, sectoral, and demographic impacts of policy choices and regulatory actions on employment, economic sectors, and broader competitiveness.



We believe that water is an important resource that should be harnessed and celebrated.

Sophie McCabe, Flood Risk & Drainage Lead

## FLOOD RISK & DRAINAGE

Our experienced flood risk and drainage engineers guide development from due diligence and inception to unlocking development sites and maximising wider opportunities.

We offer a full range of services including:

- Hydraulic modelling
- Flood risk assessments
- Flood compensation assessments
- Evacuation plans
- Flood investigation reports
- Drainage strategies
- Sustainable drainage (SuDS) design
- Nutrient neutrality
- Water framework directive (WFD) assessments
- River restoration

When designing for flood risk, policy requires consideration of significant storm events.

Sustainability is at the heart of what we do, and we always aim to implement appropriate nature-based solutions which meet the needs of both current and future generations.

Ultimately, water is an important resource, historically by developments and hidden away when it should be harnessed and celebrated.

Logika Group boasts a team of leading experts in marrying innovation, development pressures, and policy requirements.



Our experts can assess the potential health effects of a policy or project, especially on vulnerable groups.

Dr Clare Beattie, Health Impact Lead

## HEALTH IMPACT ASSESSMENT

Health Impact Assessment (HIA) is used to judge the potential health effects of a policy, programme or project on a population, particularly on vulnerable or disadvantaged groups.

Logika Group is experienced in undertaking HIA, including integrating health assessment within Environmental Impact Assessment, undertaking Rapid HIA, as well as wider range of bespoke services including modelling, assessment and research.

Modelling the health impacts of air pollution from  $PM_{2.5}$  and  $NO_2$  may be undertaken for large scale developments, or to inform local authority policy making. Parameters such as life-years lost, deaths, respiratory hospital admissions, and incidence of ischemic heart disease, stroke, lung cancer and asthma in children can be calculated, as a result of air pollutant changes.

Our research work has included bespoke studies on the implications of an 'exposure-reduction' approach to address health impacts of  $PM_{2.5}$  on behalf of the Department for Environment, Food & Rural Affairs (Defra); and contributing to a United Nations International Children's Emergency Fund (UNICEF) report calling for action to protect children from the impact of air pollution.

We have also undertaken reviews of the health effects of air pollution, metrics for exposure and the treatment of vulnerable groups in planning policy.

In all cases, we aim to provide policy recommendations with practical applications.



Our landscape architects ensure developments deliver demonstrable benefits for people and wildlife.

Polly Whall, Landscape Design Lead

## LANDSCAPE DESIGN

Our landscape architects work at all stages of a project's lifecycle - from inception to aftercare - to ensure a development achieves its optimum potential and delivers demonstrable benefits for people and wildlife.

By being part of the design team from inception, we can achieve the best possible outcomes and are committed to reducing impact and maximising opportunities.

For example, at concept design stage, we identify features such as valuable habitats and trees which would ideally be retained and incorporated into the scheme, while looking for opportunities to optimise the following:

- Amenity
- Connectivity
- Biodiversity
- Sustainable drainage
- Air quality

- Noise attenuation
- Microclimate
- Health
- Social value

We are experienced at working with ecologists to deliver **Biodiversity Net Gain (BNG)** for planning applications. This is an iterative process, whereby the gains are calculated by the project ecologists and any shortfalls addressed through adjustments to the landscape design.

We are also adept at designing landscapes to achieve Urban Greening Factor (UGF) targets, in locations where the policy applies. UGF aims to increase the level of greening in urban environments where BNG alone might not achieve the desired benefits.

Post-planning we produce detailed planting plans, schedules, NBS specifications and BIM coordinated drawings for costing, tender and construction.



Our in-depth landscape and visual analysis ensures development is situated in the optimum part of a site.

Allan Cox, LVIA Lead

## LANDSCAPE & VISUAL ASSESSMENT

Changes to the existing landscape or townscape are often the most contentious element of new developments. With our extensive experience, we help our clients through the full cycle of development from initial feasibility studies, through Environmental Impact Assessment (EIA), to the submission of applications and the production of supporting documents.

Our in-depth landscape and visual analysis means development is situated in the right part of a site, responds appropriately to local character and context, and provides a landscape-led approach to development.

Our specialists undertake Landscape/Townscape and Visual Impact Assessments in accordance with the Guidelines for Landscape and Visual Impact Assessments, 3rd edition (GLVIA 3) across a range of property and

infrastructure development, from large-scale residential and mixed-use, to transport and sensitive infrastructure projects.

Working collaboratively with our clients, co-professionals and stakeholders enables us to understand the likely effects of developments on the environment and ensure that proposals meet regulatory and policy obligations. Where impacts are unavoidable, we seek pragmatic solutions for their reduction or mitigation and, wherever possible, the incorporation of enhancements.

Our core products and services include:

- Landscape/townscape and visual impact assessments (LVIA/TVIA)
- Environmental Masterplanning
- Expert witness at landscape appeals and inquiries



Our experts can provide tailored assessments to ensure developments are designed to enhance communities.

David Tyrer, Socio-Economics Lead

## SOCIO-ECONOMICS

The socio-economic centre brings together economists, economic geographers, data scientists and natural capital specialists with technical and policy experts from across Logika Group. We apply quantitative and qualitative methods, including cost-benefit, cost-effectiveness, break even and multi criteria analysis, using bespoke models in line with relevant technical guidance.

We apply our socio-economic analysis expertise in market assessment, impact assessment, options assessment and policy evaluation. This includes valuing health and environmental goods and services alongside the economic and social effects of government policy, policy options or proposed policy action. By assessing the geographic, sectoral and demographic impacts on jobs, economic sectors and on wider economic competitiveness, our assessments identify -

where relevant - both the overall balance of costs and benefits, together with their distribution to draw out underlying trade-offs. This leads to better design, buy-in and durability.

From employment opportunities, local services and housing supply, to tourism, leisure and amenity, developments can impact local, regional and national populations in a range of ways. Our experienced socio-economics team uses a suite of qualitative and quantitative methods to build a complete picture of the impacts of developments on the population.

With experience of Environmental Impact Assessment (EIA) and Development Consent Order (DCO) applications, our experts provide tailored assessments and advice for a wide range of schemes across the UK, to ensure developments are designed to not only mitigate effects but enhance communities.



OUR TEAM

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

Ben Grebot, Director



### Chris Whall

Chris is Managing Director of Air Quality Consultants Ltd and a Director of Logika Group. He 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

Stephen is a Director of Air Quality Consultants Ltd and 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.

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### James Trow

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.

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### Toby Gibbs

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.

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### Ben Grebot

Ben is Director of Environmental Policy & Economics. 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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### Marc Davies

Marc is Growth Director for Logika Group. He has a depth of experience across all areas of environmental consulting and is an advocate of integrating services to deliver sustainable outcomes.

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# TECHNICAL LEADS



## Landscape Design - Polly Whall

Polly is a Technical Director and chartered landscape architect. She specialises in sustainable landscape design, including reduction of exposure to noise and air pollution, and biophilic design for health and well-being benefits. She also imaginatively integrates SuDS and biodiversity enhancements into schemes for multifunctional benefits.



## Biodiversity - Alan Kirby

Alan is a Technical Director and ecologist with significant experience in Habitat Regulations Assessment, Ecological Impact Assessment, Biodiversity Net Gain and policy and legal compliance, including for major infrastructure projects. He identifies opportunities for biodiversity, whilst effectively managing consenting, cost and scheduling risks.



## Flood Risk & Drainage - Sophie McCabe

Sophie is a Technical Director and experienced flood and drainage engineer. She expertly integrates hydrological and hydraulic modelling, flood resistant and resilient design, river restoration, detailed surface water drainage design and SuDS, in order to meet the site-specific needs of diverse and complex projects.



## EIA Coordination - Guido Pellizzaro

Guido is a Technical Director and Environmental Consultant with extensive experience coordinating EIA's for large and complex developments across a range of sectors including housing and healthcare. He excels working as part of a team in providing technical advice on a wide range of environmental issues.



## Landscape & Visual Impact - Allan Cox

Allan is a Technical Director, chartered landscape architect and expert in Landscape/Townscape and Visual Impact Assessment. His experience includes major settlements, tall buildings, industrial buildings and sensitive settings. Allan has acted as technical advisor to local planning authorities and been expert witness at public inquiries.



## Air Quality - Dr Ben Marner

Ben is a Director and air quality specialist who has been instrumental to the development of industry best practice over many years. In his role on Defra's Air Quality Expert Group, Ben produced a detailed review of the ability of green infrastructure to help manage urban air quality, which informed national policy and Logika's landscape design approach.



## Climate & Greenhouse Gases - Laurence Caird

Laurence is a Technical Director with experience in greenhouse gas (GHG) footprints and climate change. He has led the delivery of GHG assessments for a wide range of EIA projects including large-scale residential and commercial schemes, industrial installations and a number of aviation projects.



## Noise & Vibration - George Gibbs

George is a Director and specialist in acoustics, noise and vibration, prediction, measurement and assessment. George has provided representation on behalf of clients at public hearings, planning committees and exhibitions. He also collaborates with the landscape design team in developing soundscape proposals for projects.



## Socio-Economics - David Tyrer

David is a Technical Director within the Environmental Policy & Economics team. David specialises in advising on the economic effects of environmental policy, socio-economic analysis (SEA), cost benefit analysis, economic and regulatory impact assessment, policy evaluation and environmental and human health impact valuation.



## Health - Dr Clare Beattie

Clare is a Chartered Scientist within the air quality team who has delivered Health Impact Assessments requiring a proportionate evaluation of relevant health determinants on the local population. She has also acted as an expert witness for both residential and commercial developments.