

Appendix 2.3

TECHNICAL CONSULTANTS CVs

Alessandra Boccuzzi

Graduate Consultant

Waterman Infrastructure & Environment



Profile

Alessandra has one-year experience in the assessment of air quality and odour for a variety of environmental impact assessment projects. Alessandra is an Associate Member of the Institute of Environmental Sciences and is an Associate member of the Institute of Air Quality Management.

Over the last year, Alessandra has knowledge and experience in undertaking the use of atmospheric dispersion models (ADMS- Road and ADMS). Alessandra also designs and undertakes ambient air quality and dust monitoring programs for pollutants using real time equipment and passive diffusion tubes.

Qualifications:

BSc (Hons) Environmental Sciences
Associate Member of the Institute of Environmental Science
Associate Membership of Institute of Air Quality Management

Key Skills

- Design and undertaking of air quality, dust and odour monitoring;
 - Preparation of air quality monitoring reports;
 - Air quality modelling including DMRB, ADMS-Roads and ADMS;
 - Preparation of air quality chapters; and
 - Competent in the ESRI and Arcview 10 GIS software packages.
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Recent Project Experience:

Project

Details

Brent Cross, London

Undertook the air quality diffusion tube monitoring collating NO₂ baseline information for the air quality assessment.

Set up and undertaking monitoring of depositional dust levels at the Site from six monitors.

Beckton Retail Park,
London

Set up and undertook air quality NO₂ diffusion tube monitoring. The monitoring involved the set up and monthly changeover of the NO₂ diffusion tubes for three months of monitoring.

Odour monitoring ("sniff testing") was also undertaken

The Land at the Wisp,
Edinburgh

Undertook an air quality assessment which included determining the baseline conditions, consultation with the EHO, assessment of construction activities and dispersion modelling of pollutant emissions using the ADMS-Roads and ADMS 5 models.

Diorama

Undertook qualitative air quality assessments which included determining the baseline conditions, assessment of construction activities and a qualitative assessment of the proposed operational Development.

Andrew Fowler**Senior Consultant****Waterman Infrastructure & Environment**

**Profile**

Andrew has nine years' experience in the environmental sector with five years in the assessment of air quality and odour for a variety of environmental impact assessment projects and four years spent working in Sustainability and on Environmental Impact Assessments. Andrew is a Chartered Environmentalist, Associate Member of the Institute of Environmental Management and Assessment and is a full member of the Institute of Air Quality Management.

Over the last five years, Andrew has extensive knowledge and experience in undertaking the use of atmospheric dispersion models (ADMS-Road and ADMS) for a wide range of projects. Andrew also designs and undertakes ambient air quality and dust monitoring programs for pollutants using real time equipment and passive diffusion tubes.

Qualifications:

BSc (Hons) Marine Geography
MIAQM (Full Member of the Institute Air Quality Management)
CEnv (Chartered Environmentalist)
Associate EIA Practitioner of IEMA (Institute of Environmental Management and Assessment)
Member of Institute of Environmental Sciences
CEEQUAL Project Assessor (Version 5) & Term Contract Assessor (Version 5)

Key Skills

- Design and undertaking of air quality, dust and odour monitoring;
 - Preparation of air quality monitoring reports;
 - Air quality modelling including DMRB, ADMS-Roads and ADMS;
 - Preparation of air quality chapters; and
 - Competent in the ESRI and Arcview 10 GIS software packages.
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Recent Project Experience:

Project	Details
Liverpool Dock, Liverpool	Undertook an air quality assessment on behalf of Liverpool City Council. The assessment included determining the baseline conditions, consultation with the EHO, assessment of construction activities and dispersion modelling of traffic, energy centre and cruise ship pollutant emissions using the ADMS-Roads and ADMS 5 models. Prepared Air Quality EIA Chapter for the hotel Development.
Moulton Heights, Northampton	Undertook an air quality assessment for a large housing development with primary care home, school and other amenities. The assessment included determining the baseline conditions, consultation with the EHO, assessment of construction activities and dispersion modelling of pollutant emissions using the ADMS-Roads and ADMS 5 models. The Air Quality EIA Chapter included two future Development scenarios, to illustrate the impact with and without a proposed ring road through the site.
The Chocolate Factory, Haringey	Set up and undertook air quality NO ₂ diffusion tube monitoring for a large urban regeneration Development in Haringey, London. The monitoring involved the set up and monthly changeover of NO ₂ diffusion tubes for six months. Then on completion, undertook data analysis to produce an air quality monitoring report. The air quality assessment included determining the baseline conditions, consultation with the EHO, assessment of construction activities and dispersion modelling of pollutant emissions using the ADMS-Roads and ADMS 5 models. Prepared Air Quality EIA Chapter for the residential-led urban regeneration Development.



Thomas Copp
Director, Built Heritage
BA (Hons), MA AssocIHBC

Thomas has a broad range of experiencing having acted on behalf of clients in highly sensitive locations throughout the UK, working for a range of clients from private homeowners to large developers. His experience includes alterations to listed buildings, new development within conservation areas and large-scale development within the setting of numerous heritage assets. Thomas also provides expert witness advice at Public Inquiries, Appeal Hearings and EiPs.

Experience

Thomas has a broad range of experiencing having acted on behalf of clients in highly sensitive locations throughout the UK, working for a range of clients from private homeowners to large developers. His experience includes alterations to listed buildings, new development within conservation areas and large-scale development within the setting of numerous heritage assets. Thomas also provides expert witness advice at Public Inquiries, Appeal Hearings and EiPs.

His detailed understanding of the planning system, and the position of heritage within it, ensures that Thomas can lead on a range of projects, from individual homeowners seeking to alter their listed building, to major redevelopment schemes within conservation areas and urban expansions within the setting of numerous listed buildings. Through liaising with local planning authorities and Historic England, Thomas has been able to secure permission for development throughout the United Kingdom, including both within, and within the setting of, highly sensitive heritage assets.

This includes providing heritage input and advice for large-scale developments, such as urban expansions and new towns, through the EIA process, including input to scoping and the production of detailed ES Chapters. Recent examples include the provision of a standalone Built Heritage ES Chapter in relation to an urban expansion of 1500 homes in Essex and input to a Cultural Heritage Chapter, including extensive mitigation, for a complex industrial development within the setting of a Grade II* listed Manor House.

In addition to providing ongoing advice to support the design and planning process, Thomas has also acted as an expert witness in various planning appeals, including Public Inquiries, and Examinations in Public of local plans. This has included expert witness work to support the construction of new housing in highly sensitive locations, such as within conservation areas and within the setting of a World Heritage Site.

Key Projects

Sir Christopher Wren Hotel, Windsor

Sarova Hotels Group

Ongoing advice and Expert Witness attendance at public Inquiry for non-determination and enforcement appeals relating to GII* listed building.

The Friary Lichfield Pegasus Life

Planning permission for new development of later living apartments within the Lichfield Conservation Area and the setting of a listed building.

Land at Langford and Maldon Countrywide Developments

Heritage Statement and Environmental Statement Chapter for a major urban expansion, within setting of numerous listed buildings and within two conservation areas.

Doddington Hall

Lady Delves-Broughton

Assessment of significance for conversion of GI listed Manor House to hotel and spa, including new development within its setting.

Redditch Gateway Stoford Development

Heritage advice, including extensive liaison with Historic England, provision of HS and ES Chapter for industrial development within setting of GII listed building.



Chris leads the delivery of acoustic engineering services in London as part of our UK-wide Building Performance Engineering business. As a member of the Institute of Acoustics, with 10 years' experience in the delivery of acoustic services, Chris has led the delivery of acoustic engineering services across a range of sectors including education, residential, retail, transportation, leisure and mixed uses.

Role

Principal Acoustic Consultant

Professional Qualifications

Member Institute of Acoustics (IOA)

Member Institute of Environmental Management and Assessment (IEMA)

Academic Qualifications

BSc (Hons) Geography

KEY SKILLS

Chris has extensive experience in planning and development sectors where technical acoustic input is required. His focus is to provide specialist technical advice in environmental, M&E, building acoustics and development planning in the built environment delivering solution-based outcomes.

PROJECT EXPERIENCE

Tower Bridge Road, London

Redevelopment of large, existing building into high-end commercial aparthotel use (450+ rooms) with challenging environmental conditions. Chris undertook Technical Appraisal of acoustic design and provided design solutions to ensure fit out of the building met planning and regulatory standards as well as client brand standards.

Citicape House, London

300+ room high-end operator hotel chain in central London. Chris undertook an extensive noise survey to assess external noise, and a vibration survey to assess subsurface rail lines (London Tube) to the planned hotel and conference uses. Detailed analysis of sound insulation specifications and construction types to meet high-specification hotel chain Brand Standard.

Honeywell, UK

Honeywell Electrical Devices and Systems UK factory received complaints of loud, low-frequency noise from residents and the Local Authority (LA) regarding the use of a new factory extract fan installed at site. The fan use was restricted from 9am to 5am to reduce noise complaints, however its intended use was 24hours. Chris undertook a background noise survey, undertook a technical assessment, specified industrial mitigation methods (industrial enclosure and duct silencer) and provided an acoustic report which was approved by the LA allowing for 24hour use. The flue was subject to EA Environmental Permitting and no further complaints were received.

Hampton by Hilton, London

Provided noise monitoring and assessment of environmental noise affecting a proposed hotel in central London for planning approval. The project required the effective design of noise control measures for building facades, and control of noise generating operations from the hotel including a conference and business centre potentially affecting adjoining and existing noise sensitive receptors.

Chris Brownlie

Principal Consultant

Waterman Infrastructure & Environment

**Profile**

Chris has over eleven years' experience in the assessment of air quality and odour for a variety of environmental impact assessment projects. Chris has knowledge and extensive experience in the use of a variety of advanced atmospheric dispersion models (including the ADMS and AERMOD suite of models) as well as screening air quality modelling methods (DMRB and WebTAG) as well as designing and undertaking ambient air quality monitoring programs for pollutants using real time equipment and passive diffusion tubes.

Qualifications:

BSc (Hons) Geography
MSc Air Pollution Management and Control
MIAQM (Member of the Institute of Air Quality Management)
AMIEEnvSc (Associate Member of the Institute of Environmental Science)
AIEMA (Associate Member of the Institute of Environmental Management and Assessment).

Key Skills

- Air quality assessments - screening assessments, detailed dispersion modelling and air quality monitoring.
- Odour assessments – coordination of monitoring, qualitative screening assessments and detailed modelling assessments
- Industrial assessments – stack modelling and input into Permit Applications
- Air quality assessments for residential/ commercial/ industrial/ mixed use developments/ waste facilities/ agricultural uses

Recent Project Experience:**Project****Details**

St Marys, Elephant and Castle, Lend Lease

Undertook an air quality monitoring study using passive diffusion tubes to quantify air quality at the site and to verify the detailed dispersion modeling. An assessment of the impact of the development on local air quality as a result of additional vehicle and heating plant emissions was undertaken using ADMS Roads

Heygate Masterplan, Elephant and Castle, Lend Lease

Undertook an air quality monitoring study using passive diffusion tubes to quantify air quality at the site and to verify the detailed dispersion modeling. An assessment of the impact of the Heygate Masterplan on local air quality as a result of additional vehicle and heating plant emissions was undertaken using the ADMS Roads dispersion model.

Whitechapel Central, London, London and Quadrant Housing Trust

Undertook an air quality assessment using the ADMS Roads dispersion model for a residential-led mixed use development located on Raven Row, Whitechapel. The assessment also included an air quality monitoring study to characterise pollutant concentrations at the Site and to verify the ADMS air quality model.

Canada Water, British Land

Undertook the air quality assessment for the hybrid planning application for the Canada Water Masterplan in the London Borough of Southwark. The hybrid application forms a number of plots within a 21.3 hectares site. Given the size of the Masterplan, air quality has been a key concern, and the assessment has involved interim modelling studies to inform design; detailed consultation with all members of the project including the council; and the design of innovative air quality mitigation.

Purfleet, Swan Housing Association

As part of a proposed redevelopment residential-led masterplan, modelled the existing motorways A-Roads and minor roads using ADMS-Roads. The completed Development includes amendments to the road infrastructure which was considered within the air quality model.

Dr Ricardo Gomez

Director

Education

University of Glasgow, PhD, Strategic Action in EU Trade Policy
University of Hull, MA, European Integration & Cooperation
Staffordshire University, BA (Hons), International Relations

Professional Affiliations

Director, Hatch Regeneris, 2018-present
Director, Regeneris Consulting, 2013-2018
Associate Director, Regeneris Consulting 2008-09 and 2010-13
Operations Director, Visit Chester and Cheshire, 2009-10
Senior Consultant, Regeneris Consulting, 2005-2008
Regional Economic Policy Advisor, Lancashire County Council, 2004-2005
Lecturer, Centre for Urban Studies University of Bristol, 2003-4
Research Associate, University of Manchester, 2001-2003
Lecturer, Strathclyde University, 2000-01

Years in Practice

19 years

Experience Summary

Dr Ricardo Gomez has 13 years experience as a consultant, with specialisms in the economic impacts of housing and commercial development, tourism and leisure consultancy and innovation. He has directed and managed many assignments across these service areas for clients which include major residential and commercial developers, planning companies, central government departments and local authorities across the UK.

He has extensive experience in the planning system. Ricardo has directed more than 50 socio-economic impact assessments for proposed housing developments, including reports for planning applications, environmental impact assessments and evidence for planning appeals. He has led much of our work on the assessment of housing and commercial development need. He has developed specialist knowledge in housing need and the economic implications of local authority housing targets, preparing material for private sector clients to support representations and serving as an expert witness in examinations in public and Section 78 planning inquiries.

Beyond his lead role in our land and property consultancy, he is part of the Hatch Regeneris team that specialises in work on the visitor economy. He has directed our inputs on the economics of tourism for local visitor economy strategies, led our appraisals of funding bids for major new tourism attractions and provided supporting evidence to planning applications for visitor attractions and tourism facilities including hotels and conference centres.

Ricardo has led our work on several local economic strategies and evidence bases for local authorities and partnerships across England. This has included employment land reviews, local investment planning, sector

development strategies and economic analysis for area master planning. His work has extended to planning policy, including the economic testing of core strategy evidence bases and forecasting for housing and employment land requirements.

Selected Experience

Appraisals of Major Investments in Tourism Attractions, Liverpool City Region Combined Authority

Ricardo has directed recent work on the appraisal of two major funding bids to develop new visitor attractions in the Liverpool City Region, including the Shakespeare North Playhouse. The appraisals involve detailed analysis of tourism and leisure market evidence, a review of theatre and creative sector activity within the city region and across the UK and the assessment of operating plans and budgets. Recommendations from the appraisals informed the Combined Authority's investment decisions.

A303 Improvements Stonehenge Visitor Economic Impacts, Highways Agency

He was part of the team that prepared evidence for the business case relating to proposed improvements to the A303 at Stonehenge. His role was to assess the potential impacts of the proposed re-routing of the A303 on the local tourism and leisure economy. He led our engagement with English Heritage and the National Trust to understand its likely effects on the site and with businesses in the area to capture the opportunities and challenges the project presented for local tourism and leisure operators.

Sefton Economic Assessment and Strategy, Sefton Council

He led the assessment of the development (housing, commercial) and infrastructure strands of the local economic assessment for Sefton, carrying out detailed spatial analysis of residential and employment development markets across the borough. He oversaw the preparation of evidence on Sefton's visitor economy as part of this work. Having completed the LEA, he led the preparation of a draft economic strategy framework for Sefton, working with senior Council officers to prepare a document that secured approval from the Council's economic development Cabinet Committee ahead of public consultation.

South West Hertfordshire Economic Study, Dacorum, Hertsmere, St. Albans, Three Rivers, Watford Councils

He was the project director for two major studies Hatch Regeneris carried out for the south west Hertfordshire local authorities. The two pieces of work, one in 2015-16 and the other 2018-19, provided a comprehensive definition of the functional economic area for local plan purposes, forensic analysis of the areas' business and employment base and commercial property markets. The team produced bespoke economic forecasts for the area, drawing on forecasting data to which Hatch Regeneris applied its analysis of growth potential in the area. The studies are guiding the allocation of employment land across the area in emerging local plans, and to emerging policies on employment and the economy.

Longbridge Economic and Social Value, St. Modwen

Ricardo directed our assessment of the economic and social impacts of St. Modwen's investments with its public sector partner organisations in Longbridge, Birmingham. This is a major regeneration initiative for Birmingham, the site of the former Rover works and has involved the creation of a new town centre, affordable and market housing, new employment premises, educational facilities and public realm. The study assessed how investments in the area had impacted upon surrounding communities, and the area's contribution to economic development and regeneration priorities for the Greater Birmingham area.

GEORGINA DOWLING



DIRECTOR
HEAD OF ENVIRONMENTAL PLANNING & ASSESSMENT
BUILDING CONSULTANCY

T +44 (0)20 7182 3247
M +44 (0)79 2007 2509
georgina.dowling@cbre.com

CBRE

BACKGROUND AND CURRENT ROLE AT CBRE

Georgina joined CBRE in 2016 with over ten years' experience in Environmental Impact Assessment (EIA) and socio-economic and health impact assessment (SIA/HIA). Georgina supports both private and public sector clients throughout the development cycle with regard to environmental matters, providing a single point of contact and co-ordinating technical specialists. Advising on site selection, environmental assessment to support planning applications, and discharge of conditions; Georgina has worked across diverse sectors from mixed-use residential-led urban regeneration to overseas industrial sites.

Georgina specialises in SIA and HIA to support master-planning and planning applications. Ranging from additionality assessments to population projections and child yield calculations, Georgina assesses employment generation, spend, impacts on local services' capacity, and, open space and play space demand.

RECENT EXPERIENCE

New Garden Square, Birmingham

Appointed by Calthorpe Estates and U+I Group Plc to co-ordinate the EIA for this previously developed commercial estate of approximately 3.84 hectares (9.49 acres), to the west of the city centre. The proposed development comprised an office-led mixed use scheme including residential, retail (Use Classes A1 – A4) and a hotel.

Eastern Quarry, Ebbsfleet

Appointed to coordinate and manage the EIA for a s.73 application to vary the consent of this mixed use development for up to 6,250 dwellings, up to 231,000 sq metres of built floorspace for: business premises; education community and social facilities (schools, libraries, health centres, places of worship, sports and leisure centres, community centres, care facilities for the young, old and/or infirm); hotels; theatre; supporting retail and leisure facilities.

Hale Wharf, London Borough of Haringey

Appointed by Muse Developments and the Canal & River Trust to coordinate and manage the EIA process, and, author the resulting ES for demolition and subsequent construction of around 500 residential units in blocks ranging from 4 to 20 storeys with commercial floor space, parking and retention of three commercial barges. The application site was a peninsula bounded by the River Lee and at its closest point 15m from a Ramsar, Special Protection Area (SPA), and Site of Special Scientific Interest (SSSI).

GEORGINA DOWLING

1-5 Grosvenor Place, City of Westminster

Appointed by One GP LLP (JV of Grosvenor Britain & Ireland and Hongkong Shanghai Hotels Limited) for EIA co-ordination, BREEAM and Code for Sustainable Homes assessment, and bespoke sustainability KPI target creation for this landmark, legacy hotel and residential apartments. As a result of the changing policy situation in Westminster, the EIA programme was accelerated 50%, the EIA went through a full legal review with minimal comments and the scheme was approved in December 2015.

North Mole, Gibraltar

Appointed by Nature Port Reception Facilities Ltd. to manage the EIA process and author the resulting ES for the re-provision of the sullage oil recovery and treatment plant situated at the Western Arm of the North Mole, adjacent to the Cruise Terminal. The facilities had been restricted following a serious fire and to enable the Port of Gibraltar to have sufficient sullage capacity the re-provision of the facility was critical. Georgina also presented the EIA findings to the Gibraltar Development & Planning Commission on behalf of Nature Group.

Hoola, Tidal Basin Road, Newham

Appointed by Hub to co-ordinate the EIA for these 23 and 24 storey towers providing 360 residential units in the Royal Docks close to City Airport, with the accompanying noise restrictions.

Stratford Centre

Appointed by Catalyst Capital to undertake EIA co-ordination for a new foodstore and student accommodation tower at the Stratford Centre site opposite the new Stratford City development.

Second Cryogenic Pipeline, Isle of Grain

Appointed by LNG National Grid to provide EIA co-ordination for the development of a second above ground cryogenic liquid natural gas (LNG) pipeline at the Isle of Grain LNG Importation Facility. This 2.4 km pipeline supports the existing pipeline by conveying imported LNG from the carriers docking at jetties on the north bank of the Medway to the processing plant.

Ingress Park, Dartford

Appointed by Crest Nicholson to undertake EIA co-ordination of the final phase of the Ingress Park development including four residential towers constructed on a pier within Port of London Authority jurisdiction.

Hannah Train GradCIEEM: Senior Ecological Consultant

Hannah works within the Ecological Impact Assessment (EIA) team at Middlemarch Environmental Ltd, reporting to the Associate Director: EIA and Executive Director. She is responsible for writing a wide range of ecological reports and assessments, including Preliminary Ecological Assessments, Protected Species Survey Reports, Habitat Management Plans and Ecological Mitigation Strategies, as well as several larger scale assessments, including Environmental Statement/EIA Ecology Chapters and Habitat Regulations assessments.

Hannah also has experience completing Natural England European Protected Species Development Licence applications for great crested newts and bats. In addition to office-based work, Hannah occasionally assists with field work, such as bat surveys and reptile trapping.

Hannah completed an MSc in Environmental Bioscience in a Changing Climate at the University of Warwick in 2014. Hannah is a Graduate member of the Chartered Institute for Ecology and Environmental Management (CIEEM).



Helen Warren

Senior Heritage Consultant

BA (Hons), MSt (Cantab)

Helen studied Building History at the University of Cambridge and has over eight years of experience working for both the public and private sectors, on projects ranging from award-winning, environmentally sustainable new builds to those involving the regeneration and adaption of listed buildings within Conservation Areas and Areas of Outstanding Natural Beauty.

Experience

Helen is a Historic Buildings Consultant based in the Cheltenham Office. Graduating with First Class Honours in 2009, Helen has a background in architecture and design, specialising in the sensitive and sustainable regeneration of historic buildings. She holds a Masters in Building History from the University of Cambridge.

Helen has a sound knowledge of British architectural history, conservation principles and legislation, and enjoys combining on-site built fabric analysis with documentary evidence to understand each site's evolution and significance.

With over eight years of professional experience, working on both public and private sector regeneration and new build projects, Helen has provided research, design and heritage advice on sites of regional, national and international significance.

The above training and experience allows Helen to balance a theoretical understanding of a site's significance with the practicalities of historic building work and contemporary requirements in order to facilitate positive change.

Helen is a member of SPAB and an Affiliate member of the IHBC.

Key Projects

The Cotswold Distillery

The Cotswold Distillery
Helen was the designer responsible for the regeneration of two derelict barns to provide a distillery and visitors centre.

Engine Shed

Private

Helen wrote a Conservation Management Plan which helped to secure Round Two Heritage Lottery Funding to regenerate a derelict engine shed on a contaminated brownfield site.

Bushbury Hill and Oakmeadow

Primary School

Wolverhampton City Council

Helen helped to design the first new build primary schools in the UK to received Passivhaus Certification. She also worked on an arts programme, collaborating with the school community, artists and manufacturers to create bespoke pieces of artwork for the new buildings.

The Cottage

Private

Helen wrote a Heritage Assessment and provided heritage advice to guide the restoration of a fire damaged thatched cottage in Oxfordshire.

Sustaining Major Parish Churches

Historic England et al.

Helen conducted interviews and research in order to help Purcell assess the challenges facing our Major Parish Churches.

Ian Barnes

Associate Director, Heritage

Waterman Infrastructure & Environment Ltd



Ian is a full member of the Chartered Institute for Archaeologists (MCIfA) with over 20 years' experience specialising in archaeological fieldwork management and heritage consultancy, covering a wide variety of projects and deliverables including strategic design of fieldwork investigations and mitigation, providing planning advice, undertaking consultations with Statutory Stakeholders, carrying out due diligence as well as feasibility studies, heritage risk and heritage project management.

Ian has significant experience working on multi-disciplinary projects and large scale fieldwork projects acting in both client, technical expert and contractor representative roles. He has extensive experience working on both public and private sectors projects, delivering cost effective solutions for highly complex infrastructure and development programmes.

Recent major projects include the Childrey Warren Pipeline, Cromford Mill and Paternoster School.

He leads the Heritage Team at Waterman Group, providing archaeological and built heritage services for a broad spectrum of clients involved in residential, urban regeneration, commercial, utilities, transport, defence, third sector, local authority and government funded projects.

Qualifications: BSc (Hons), MCIfA

Key Skills

- Consultancy for archaeology and built heritage
 - Procurement and management of site investigations and research projects
 - Feasibility, due diligence and strategic design
 - Heritage risk management
 - Consultations with Statutory Consultees and Stakeholders
 - Heritage project management and cost analysis
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Project Experience:

Project	Details
Childrey Warren Pipeline, Oxfordshire	The project required the scope of archaeological works to be agreed to facilitate and manage the excavation of multi-period settlement sites (e.g. Mesolithic to Roman) across the c 4km pipeline.
Cromford Mill, Derbyshire	A scope of works had to be agreed for Cromford Hill Listed Building following proposed works. Building recording and a watching brief of the late 19 th century industrial structure were managed and undertaken.
Paternoster School, Gloucestershire	Following submission of the agreed scope of works, an impact mitigation statement alongside Scheduled Monument Consent (SMC) were required. Alongside this, an excavation and watching brief of significant Roman remains was also undertaken.
Qatar Airport, Qatar	Large scale project which required historic environment assessment and EIA focusing on the use of satellite survey data and primary resources to establish important trading routes and settlement patterns.
Bishopdown Farm, Wiltshire	Following the completion of a programme of archaeological trial trenching, public inquiry input relating to the impact of development on the Old Sarum Scheduled Monument was required.



Jon has over 15 years' experience in carrying out Flood Risk Assessments, Environmental Impact Assessment Water Resource Chapters, hydrological and hydraulic modelling, Drainage Strategies and Micro Drainage WinDes modelling.

Qualifications

BSc Physical Geography & Geology
(specialising in hydraulic processes)
MSc Natural Resource Management
(specialising in watercourse management)

Relevant Training

- River Hydrology & Hydraulics Assessment
- HEC-RAS Hydraulic Modelling
- WINFAP – FEH Hydrological Modelling
- Town Planning
- Micro Drainage WinDes

KEY SKILLS

Having previously worked for the Environment Agency, Jon's experience assessing proposed developments in relation to the NPPF / PPS25, and advising on and assessing Flood Risk Assessments, proves invaluable when advising clients on proposed schemes and dealing with the Environment Agency and other regulators.

In 2009, Jon moved to the private sector as a Senior Flood Risk Consultant for Hydrock, where his roles include advising clients on the implications of proposed schemes, and existing assets, in relation to flood risk; producing Flood Risk Assessments and Water Resource Chapters for Environmental Impact Assessments; undertaking hydrological and hydraulic modelling; producing Drainage Strategies; and, liaising with regulatory authorities. Jon has also acted as an Expert Witness at Planning Appeals in relation to flood risk.

PROJECT EXPERIENCE

Hinckley National Rail Freight Interchange - Senior Flood Risk Consultant on proposed NSIP, providing masterplan advice, stakeholder engagement, and supporting DCO Application in relation to preparation of Flood Risk Assessment and EIA.

Scottish and Southern Energy sub-station sites, Various (Southern England) - Flood Risk Consultant identifying any forms of flooding posed to sub-station sites across Southern England. Role included hydrological and hydraulic modelling to determine potential flood levels and production of reports summarising impacts upon operation of sub-stations.

Great Ayton - Senior Flood Risk Consultant on proposed residential development. Role included preparation of Flood Risk Assessment, hydrological and hydraulic modelling, and acting as Expert Witness at Planning Appeal.

A1 Twyford Bridge Junction, Nottinghamshire - Flood Risk Consultant on proposed junction improvement scheme. Hydrological and hydraulic modelling undertaken, along with specification of watercourse diversion, culverting and floodplain compensation.

Pembroke College, Oxford - Flood Risk and Drainage Consultant on proposed student accommodation and teaching facilities. Floodplain mapping undertaken along with range of flood resilience measures proposed.

Thames Enterprise Park - Senior flood risk consultant on 'one of the largest regeneration projects in Northern Europe', providing masterplan advice, stakeholder engagement, and supporting Planning Application in relation to preparation of Flood Risk Assessment, flood risk modelling and EIA.



QUALIFICATIONS

MSc Transport Planning and Management, Westminster, 2005
Chartered Member, Chartered Institute of Logistics and Transport
Member, Chartered Institution of Highways and Transportation

Jason has experience gained in both the public and private sectors, having represented a wide range of public and private clients in the transportation, property and infrastructure sectors. He has a full understanding of the planning system and the requirements of Government and local policy agenda. Jason has managed teams across a range of project sizes, and has excellent people and management skills. He has experience as an expert witness at public inquiry and examination in public.

CAREER SUMMARY

Having previously founded a transport planning consulting business, Jason joined PBA in 2018 as Director of Transport Planning to expand the South East offering and portfolio. He specialises in the property sector assisting developers and the public sector in gaining planning permission for the full range of property types. Notable past projects include Scania UK, Waitrose Maidstone and Kent Medical Campus.

He has appeared as expert witness at a number of public inquiries and examinations in public. Jason has also been instrumental in obtaining government funding for highway infrastructure including bids worth over £5m for two schemes in Swale. He has project managed the assessment and planning of a number of complex junction improvement schemes including the upgrades to M20 junction 7 and local connections.

SELECTED EXPERIENCE

Scania UK, bespoke goods vehicle maintenance and service facility, Pease Pottage - 2017

Director responsible for the transport planning and S278 elements of a new bespoke, state of the art facility for the servicing and maintenance of Scania goods vehicles. The project included extensive liaison with Scania to ensure the facility is fit for purpose to deal with emerging and future vehicle technologies. Issues encountered prior to grant of consent included dealing with a holding objection from Highways England, which was overcome with the application of detailed traffic modelling of M23 junction 11 and by devising a further enhancement of a prior local plan mitigation scheme.

c. 3,900sqm Waitrose food store, Maidstone – 2016/17

Project managed the Transport Assessment and Travel Plan elements of a new 3,900sqm Waitrose food store on the outskirts of Maidstone, Kent. The project required traffic modelling for four principal network junctions and a junction on the M20, needing significant negotiation to satisfy Highways England. The development was permitted in 2017.

Fruit packing and distribution facility, Linton – 2017

Provided transport planning advice and Transport Assessment in support of a planning application for a c.14,000sqm packhouse and distribution facility in Linton, Kent. Included assessment of air quality effects along the A229 corridor, and assessment and design of improvements to the Linton cross roads.

LGF and NPIF bid support, Isle of Sheppey – 2017

On behalf of a land owner/developer supported two successful KCC bids to Government for c.£5m Local Growth Fund and National Productivity and Infrastructure Fund monies for the provision of a new roundabout and 1-kilometre road widening, associated with Local Plan residential scheme for over 620 houses.

Extension to Hermitage Quarry, Maidstone – 2016/17

Successfully assisted the quarry operator in seeking modifications to planning conditions and restrictions on quarry HGV levels, requiring extensive traffic survey and modelling of the local highway network as well as M20 junction 5. A local action group was set up to resist the plans, however traffic and air quality modelling overcame their objections and led to a positive planning outcome in 2017.

Bespoke modular housing manufacturing facility, Worksop – 2012/3

Led the transport planning team that supported detailed proposals for a large modular housing manufacturing facility on a disused colliery site outside Worksop. The facility is part of a wider masterplan and outline planning permissions, however changes to the proposals necessitated a new Transport Assessment that included modelling of 12 junctions and a motorway junction.

Housing in South East Maidstone – 2014-17

Director responsible for the team that successfully delivered the transport planning elements for 800 houses, and cumulative impacts from a further 900+ houses in south east Maidstone. Presented with an 'in principle objection' from the highway authority, the team was successful in presenting the case to planning committee which resulted in a positive resolution to grant.

Scania UK, Maidstone - 2013

Produced Transport Assessment and Travel Plan for a new 5-bay HGV servicing and maintenance facility off M20 junction 6. Followed with S278 design of the site access and drainage.

Kent Medical Campus – 2012/13

Responsible for all transport planning inputs for the Kent Medical Campus facility, which comprises c.1m sq.ft. medical and health support uses and associated access and parking. The proposals seek to bring over 2,500 new medical jobs to Maidstone, resulting in the need to plan for significant levels of movement and solutions for supporting sustainable and vehicle access infrastructure. Required extensive negotiation with Highways England on design departures and approvals.

Kent Secondary Schools Batch – 2010 to 2012

Director responsible for the team that delivered transport planning services for 6 secondary schools and academies across Kent. Working with the lead contractor the access and travel arrangements for each school were designed and successfully taken through the planning process. A number of key challenges were encountered, particularly in response to local objections and fears over school traffic and parking impacts.

Student Accommodation, Canterbury – 2016

Assisted a student accommodation developer at the planning application stage for a new 100+ room bespoke student accommodation development close to the centre of Canterbury. With particular emphasis on the movement of students to and from local education establishments and at start and end of term.

Kent Primary Schools 2011 to 2018

Director overseeing the transport planning consultancy services supporting over 40 new and extended primary school schemes being promoted by Kent County Council. Many of the projects came under significant public scrutiny and required very careful management of local people and stakeholders in order to get each school through the planning system.

Ledian Farm Care Village, Leeds, Maidstone– 2013

Assisted the developer in gaining planning permission for a 133 unit assisted accommodation and a 36 bed care home within the sensitive surroundings of Leeds village.

Notcutts Garden Centre, Pembury– 2011

Provided Transport Assessment and Travel Plan in support of the redevelopment of Notcutts garden centre outside of Tunbridge Wells. Included outline design of a new right turn lane junction.

Eclipse Park – 2008 to 2018

Acted for Gallagher Group on various office, hotel, park and ride and retail developments on Eclipse Park, Maidstone, over a 10-year period. Included devising a mitigation 'tiger tail' scheme for M20 junction 7 and schemes for local junction improvements implemented in 2013.

Strategic Advice for new motorway junction – 2006

Provided strategic due diligence transport planning advice in relation to M20 junction 10a, intended to serve the growth of new housing and employment at Ashford, Kent. The service was provided to English Partnerships, the body investing c.£30m of government funding to assist the Ashford growth agenda.

Silverstone Circuit Access Roads Upgrade – 2001

Carried out pre and post-construction traffic flow review and assessment associated with the dualling of approach roads to the Silverstone GP circuit.

Greenwich Residential – 2001/2

Project managed the transport aspects of c.300 flatted residential scheme off Creek Road, Greenwich. Involved traffic modelling of a TRANSYT network and agreements with TfL.

Surrey University Site Planning - 2001

GIS planning exercise to aid then planning of new public transport connections to the campus.

Isle of Dogs Residential – 2001

Produced the Transport Assessment for a residential development, LFEPA fire station and basement car park on the west side of the Isle of Dogs.

A249 M2 to Sheppey Construction - 1995 - 1996

Part of the KCC site supervision team that oversaw the construction of the A249 dualling from the M2 motorway to the Isle of Sheppey.



Paul Lishman

Position in LDA Design:

Associate

Qualifications:

MLPM - Master of Landscape Planning & Management

MSc Spatial Planning

Professional status:

Chartered Member of the Landscape Institute

Licentiate Member of the Royal Town Planning Institute

Paul's strengths lie in his ability to bring together design and environmental factors to create successful projects, and in negotiating the resolution of complex development issues.

He routinely promotes projects through the planning system, coordinating design and environmental inputs for a range of outline, hybrid and full planning applications, and preparing supporting Environmental Statements and LVIA's. His experience is primarily in residential-led development, but also includes employment schemes and large-scale infrastructure projects.

Three of Paul's projects

Fairoaks Garden Village (*Fairoaks Garden Village Ltd*). Paul is currently leading LDA Design's inputs to a proposed new Garden Village for over 1,500 homes in the South East. His role is to provide landscape design and Green Belt advice, ensuring that a high quality, distinctive new settlement is created that meets the criteria established by the Government Prospectus and demonstrates the very special circumstances of development in the Green Belt.

North Ely (*Endurance Estates*). Paul led masterplanning, landscape and EIA services in support of a urban extension at Ely. The location of the site, within the fenland landscape, required a sensitive approach to development, and the masterplan reflects the linearity of the landscape. Outline consent was granted at committee in November 2015, with members considering the proposal to be 'exemplar', and Paul is currently supporting condition discharge.

Penland Farm (*Catesby Estates*). Paul provided landscape and masterplanning services for a proposal of around 100 homes at Haywards Heath, Sussex. The sensitive location of the site, within a strategic gap, surrounded by Ancient Woodland and adjacent to an Area of Outstanding Natural Beauty (AONB)/Registered Park and Garden, heavily influenced the design process and the masterplan was truly landscape led. The application went to Appeal and Paul prepared evidence on design and landscape matters. The Appeal was allowed, with the Inspector commenting that "*the appellants have put forward comprehensive proposals which in my view would offer a significant degree of mitigation and compensation*".

Paul's areas of expertise

Planning System

Paul's expertise in the residential development sector is underpinned by interest in growth and regeneration, and has a detailed and up-to-date understanding of the UK planning system. Paul also has an in-depth understanding of the appeals process, having prepared evidence / acted as Expert Witness in support of a number of Public Inquires and Examinations in Public (EiP).

Green Infrastructure

Paul has prepared Green Infrastructure (GI) Strategies for a range of public sector clients, prepared in response to planned housing and economic growth. Projects include the Cambridgeshire GI Strategy and the Exeter GI Strategy, which was commended in the South West Branch Royal Town Planning Institute Awards.



Paul leads our geo-environmental and land quality team in London, with responsibility for project delivery to our clients in London and the south-east. With over 20 years' experience in the land quality sector, he has been involved in a wide spectrum of developments and has extensive experience in delivering complex multidisciplinary projects within the residential, defence, property and construction markets.

Role

Regional Director – Land Quality

Professional Qualifications

Member of the Institute of Environmental Sciences (MIEnvSc)
 Chartered Environmentalist (CEnv)
 Specialist in Land Condition (SiLC)
 Qualified Person (QP) under CL:AIRE DoWCoP
 Suitably Qualified and experienced Person (SQP) under NQMS

Academic Qualifications

BSc Environmental Science
 MSc Sustainable Waste Management

Relevant Training

- Principal Designer Role
- Hazardous Waste Classification
- NEC3: Preparing and Managing Construction Contracts
- Asbestos Awareness
- CSCS

KEY SKILLS

Paul undertakes projects at all stages of a development's lifecycle and is adept at providing clients with cost focused, pragmatic and deliverable solutions.

With a background in wide-ranging risk assessments for human health, ground gas and ground water, Paul's technical background has also included acting as Engineer's Representative during a large scale site remediation scheme, and as Project Manager under NEC3 contracts.

Paul's key skills include:

- Technical leadership of design and documentation to ensure work outputs meet client and company requirements
- Managing deliverables of a project including quality control and the coordination of staff
- Financial management of projects

PROJECT EXPERIENCE

Thames Enterprise Park – Project Director responsible for the geo-environmental assessment of the former Shell Haven Oil Refinery. The work was undertaken whilst the site was operational and supported the clients understanding on the development and remediation costs ahead of redevelopment.

Whitehill & Bordon Regeneration - Project Director responsible for the delivery and management of geo-environmental and geotechnical assessment works across the former Bordon Military Camp and associated training areas. The works supported the initial assessment of the ground conditions and have allowed the client to dispose of a number of parcels to other delivery partners.

Upper Heyford, Oxfordshire - Paul acted as Project Director for a multidisciplinary major commercial / residential / retail development of a former USAF site in Oxfordshire. He was responsible for managing all aspects of the contaminated land assessment and remedial works and was the Project Manager under NEC 3 for the subsequent remedial works. On completion, the works allowed the developer to successfully raise significant funding to permit the subsequent residential and commercial build out.

Fort Halstead, Kent - As Project Director Paul managed a multidisciplinary engineering offering to a major funder for the re-development of a former MOD site in Kent. Working as part of a team, Paul coordinated the delivery of the land quality, geotechnical, environmental impact assessment, utilities, drainage and ecology aspects of the re-development.

Sarah Generalski-Sparling

Heritage Consultant, Heritage

Waterman Infrastructure & Environment Ltd



Sarah is an Associate of the Chartered Institute for Archaeologists (ACIfA) with over three years' experience in heritage consultancy. Sarah has experience with providing heritage advice supporting planning applications, procuring and managing archaeological fieldwork, liaising with clients, statutory consultees and other stakeholders within and outside of the Public Consultation process and producing a wide range of heritage assessments covering Desk-Based Assessments, Environmental Impact Assessments, feasibility appraisals, Statements of Conformity, Heritage Statements and Heritage Impact Assessments. As part of fieldwork management, Sarah is also experienced in producing Written Scheme of Investigations (WSI) of multi-phased field investigations.

Sarah has a wide range of project experience including major Public Sector infrastructure projects, such as the A303 Amesbury to Berwick Down, High Speed Two, New Eastern Villages and Highways England's Road Investment Strategy. She also has Private Sector experience with residential, mixed-use, commercial and strategic land projects such as Victoria Gate, Voltage Park and Liverpool Cruise Hotel.

Qualifications and Accreditations: BA Archaeology & History, MA Landscape Archaeology, ACIfA

Key Skills

- Heritage consultancy advice for archaeology and built heritage
- Heritage assessments and programming
- Bid support and costing
- Multi-disciplinary project support
- Public and statutory engagement and consultations
- Procurement and project management of site investigations
- QGIS and ArcGIS mapping for assessment reports

Current Experience:

Project	Details
Stamford Bridge, East Riding of Yorkshire	Updating previous assessments in response to development changes assessing the impacts of the development of the Registered Battlefield of Stamford Bridge with a focus on archaeological remains and historic landscape changes. Consultations with Historic England prior to planning application submission which lead to the production of an additional settings assessment informing key views over the battlefield based on the masterplan design.
Liverpool Cruise Hotel, Liverpool	Production of an ICOMOS Heritage Impact Assessment report and Environmental Impact Assessment (EIA) focusing on the impacts of the development on the Liverpool Maritime Mercantile City World Heritage Site (WHS) and its Outstanding Universal Value (OUV).
Voltage Park, Greater Manchester	Production of a Heritage Impact Assessment (HIA) focusing on the impact of the significance and setting of a Grade II* Listed Building to the north of Partington, Greater Manchester.
Station Hill, Reading	Production of Written Scheme of Investigations (WSI) for the archaeological monitoring of ground investigation works and providing technical heritage advice and of the Historic Environment Environmental Statement supporting the EIA>



Former Experience:

New Eastern Villages (NEV),
Swindon

Assistant Heritage Consultant for the NEV project, the largest strategic allocation in the adopted Swindon Borough Council Local Plan 2026 comprising of new homes, employment areas and transport improvements including a new road link. Heritage advise to support the planning application, procurement and management of sub-contractors for archaeological fieldwork and internal and external client engagement.

RIP South-East, A2 Bean and
Ebbsfleet, Kent

Production of EIA (Scoping) and Preliminary Environmental Information Report (PEIR). Providing specialist heritage advise to a large multi-disciplinary team, procurement and management of archaeological fieldwork and feeding into risk registers, the construction design and management plans.

High Speed Two (HS2), various

Production of a range of detailed desk-based assessments for different areas across the scheme and for one of the three burial grounds to be affected by the scheme. Bespoke reports such as the Sensitive Artefacts Strategy and management of various programmes of geophysical surveys across the scheme.

A303 Amesbury to Berwick Down
(Stonehenge bypass)

Assistant Heritage Consultant for the scheme. Feeding into multidisciplinary meetings/workshops and the optioneering progress. Production of Environmental Appraisal Report (EAR) and Heritage Impact Assessment (HIA) and attending Public Consultation events.

Tom Docker CEng MCIEEM: Associate Director, EIA

Tom has over 14 years of experience as a professional ecologist. He currently manages the EIA workstream at Middlemarch Environmental Ltd, and has a broad range of experience of managing major projects. He is also the renewable energy specialist at Middlemarch, having successfully overseen a number of wind and solar power projects, including large wind farm developments. He is skilled in the coordination of extensive survey work for major infrastructure projects, and is adept in dealing with the challenges posed by these types of development.

Tom completed an MSc in Ecology and Management of the Natural Environment at the University of Bristol in 2009. He has extensive experience of Ecological Impact Assessment (EIA) and habitat survey, including Extended Phase 1 Habitat Survey and BREEAM Ecology Assessment. He is also a skilled protected species surveyor, having designed and implemented surveys and mitigation works for a variety of protected species including Amphibians, Badgers, Bats, Birds, Dormice, Reptiles, Otters, and Water Voles. He is also skilled in the production of habitat and species mitigation strategies and management plans.

Tom is a Chartered Ecologist and a full member of the Chartered Institute for Ecology and Environmental Management (CIEEM). He has a Natural England bat survey licence (CL17) and is licensed to survey for great crested newts in England (CL08) and Wales.



Wayne is well experienced in the design and implementation of Phase 2 Land Quality Assessments. He has a proven track record of organising, supervising and managing ground investigation teams to ensure successful delivery both on time and to budget.

Academic Qualifications

BSc Geology

Fellow of the Geological Society

Relevant Training

- Safe Supervision of Geotechnical Sites (IOSH)
- SMSTS – Site Safety Manager
- SCO1&2
- SHEA
- CSCS
- Deep Excavation Training
- Manual Handling
- Cable Avoidance Tool (CAT and Genny) Training
- Asbestos Awareness

KEY SKILLS

Wayne undertakes a variety of factual and interpretative report writing including desktop studies, ground investigation reports, gas risk assessments, and site assessment reports. He understands implicitly the requirement for high standards of health and safety during site investigation works and is experienced in the production of Method Statements and Risk Assessments.

His specific skills include:

- Phase 1 and 2 Land Quality Assessments;
- Effective site management of junior staff and sub-contractors;
- Generic and Detailed Qualitative Risk Assessments;
- Regulatory Communication and Approval.

PROJECT EXPERIENCE

Gasworks portfolio for WWU (Wales & West Utilities) gaswork sites

– Environmental consultant for the investigation into contaminated soils and groundwater at former gasworks sites across the south west and Wales. Wayne was responsible for working with the framework team to provide Phase 1 Land Quality Reviews, Site Investigation Design and Implementation, Gas and Groundwater Monitoring and Factual and Interpretative Reporting. Responsible for liaison with plant protection and implementation of all health and safety measures during the site investigation works.

South Kilburn Regeneration Scheme - Environmental Consultant responsible for the site investigation and geoenvironmental risk assessment as part of the South Kilburn regeneration Scheme. Wayne was responsible for the geoenvironmental works across multiple sites undertaking the works in accordance with BS10175 (2011).

The Rex Theatre, Stratford – Environmental Consultant responsible for the site investigation works at the historic former Rex Theatre. Site investigation works involved coordination of complicated access internal exploratory locations.