

wardell-armstrong.com

ENERGY AND CLIMATE CHANGE
ENVIRONMENT AND SUSTAINABILITY ●
INFRASTRUCTURE AND UTILITIES
LAND AND PROPERTY
MINING, QUARRYING AND MINERAL ESTATES
WASTE RESOURCE MANAGEMENT

Business Area
capability statement



Environment and Sustainability

AUGUST 2009

your earth our world





Wardell Armstrong LLP is a leading multidisciplinary consultancy, providing a comprehensive and diverse set of professional services to a broad client base .

With a unique mix of practical skills, knowledge and experience we work closely with our clients in the public and private sectors. We support and help them to realise the full potential and value of their resources and assets, gain increased business and financial returns from the environments they own and operate, and succeed in their ventures in a responsible and sustainable way.

Building on a strong heritage dating back more than 170 years, our portfolio has expanded and developed over the past two decades to reflect major global issues including international mining, climate change, renewable energy and environmental protection.

Our business areas:

Energy and Climate Change
Environment and Sustainability
Infrastructure and Utilities
Land and Property
Mining, Quarrying and Mineral Estates
Waste Resource Management

Our services:

Civil & Structural Engineering
Energy
Environment and Environmental Impact Assessment
Ground and Environmental Engineering
Health and Safety
Landscape and Urban Design
Mineral Estates Management
Mining and Mineral Resources
Planning and Masterplanning
Social Management CSR
Waste Resource Management

Our key skills and capabilities:

An independent approach

We're an independent Limited Liability Partnership, owned and led by our directors, with no vested interest in any particular technology, supplier or contractor.

Deep experience, wide expertise

With a long and successful history of close involvement in projects over many decades, we've built an impressive track record and a reputation for high quality service, both in the UK and internationally.

Flexible

We tailor what we do to each client's individual needs and preferences. Whatever your involvement and speciality, we can help – either on a specific aspect of your project; or at every stage of the process from conception to completion.

UK network

Our 350 professional, technical and administrative staff, based at our Stoke-on-Trent head office and across our network of nine regional offices throughout the UK, combine an understanding of local and regional contexts with national and international expertise.

International reach

We have long experience of working in a wide variety of cultures and socio-economic environments. Our specialists work across the globe, on a variety of technically demanding projects, often in very challenging geographical locations.

We're ready to put our unique mix of professional skills and experience to work for you - and to become part of your team.

Environment and Sustainability



Overview

Environment and sustainability issues influence development of all forms. The protection, conservation and enhancement of the environment are of critical importance, and are key characteristics of sustainable development and operation.

In the UK, the suitability of development is tested during the planning and regulatory permit applications, while all public sector authorities and private companies have obligations for continual improvement in performance.

Environment and sustainability is therefore the cornerstone of the wide-ranging work undertaken by Wardell Armstrong specialist advisors.



Markets and clients

In the planning of new development, we work with major UK corporations in minerals and waste management, as well as the provision of new and upgraded utility, commercial, residential and industrial management.

We advise developers, local authorities and landowners and help them develop high standards of environmental management.

Sustainability assessments are required for the majority of planning applications. We provide advice on the full

range of technical issues from flood risk and sustainable urban drainage to the provision of 10% renewable energy contribution.

We provide technical input to the permitting requirements across a wide range of industrial sectors, and prepare EMS and auditing programmes for continued compliance.

Why it's important

The planning and regulatory process requires continual improvement. Through guidance notes - for example planning, environmental and sustainability for development and specific industry sectors - our specialist environmental and sustainability advisors provide critical support to developers, statutory consultees and regulators.

The UK government, through EU Directives, requires the preparation of environmental impact assessments, technical reports to advise on sustainability, and in certain sectors environmental permits for specific processes. Our expert advice and consultancy services can provide essential input at all stages of the planning and permitting process.

The value we add

Our extensive experience of the planning and regulatory system throughout the UK has successfully helped our clients to realise development opportunities - with innovative designs for sustainable development and environmental conservation.

We're experienced at bringing together multi-disciplinary teams to address complex environmental issues, with an approach to assessment that balances design, construction and operation with environmental mitigation.

Robust and sustainable design often calls for innovation combined with close collaboration between the client and the design team. We provide this collaboration regularly and successfully to integrate issues such as renewable energy, water management and access.

How are we different?

We've developed a wide range of services in environmental assessment and risk assessment, integrating skills between specialists in all our offices to deliver local solutions across the UK. Our highly experienced assessors in each office can work in close collaboration with client teams.

Often called on to deliver designs for controversial developments of significant public interest, we're experienced at addressing design issues that take account of a range of opinions while delivering high standards of environmental performance.



Areas of expertise

Our particular areas of speciality are:

- Environmental impact assessment covering urban residential, commercial, industrial and rural development
- Environmental permitting for waste management (including energy from waste), power, utilities and certain industrial sectors
- Environmental management systems in the waste and biofuel sectors
- Environmental auditing and performance of rail sector and national grid pipelines
- Landscape and urban design
- Open space and biodiversity audits
- Land quality assessment
- Land management
- Sustainability appraisals
- Strategic environmental assessment

Our experience and track record

We work with a very varied list of clients, both nationally and internationally. We successfully tender for and carry out projects which require complex, detailed planning and permitting expertise involving numerous stakeholders, delivering highly detailed mapping and landscaping studies in support of applications, and providing a geotechnical and/or civil engineering component if it's needed.

Our technical expertise spans science, technology, social science, policy and creative design. This breadth and depth has enabled us to successfully bid and carry out a broad range of projects – many of which are high profile – in urban and rural locations, and for residential, industrial, commercial and mixed developments.

For examples of projects we've undertaken in this, and our other business areas and service areas, please visit our website at www.wardell-armstrong.com



Results

For over 20 years, we have been very successful in delivering to our clients the right information and advice to enable them to develop their sites in an environmentally responsible and sustainable way. One of the key contributors in ensuring this success is our continuing effort to maintain our excellent reputation amongst statutory consultees, from regulators to advisory bodies, throughout the planning process to the completion of the project.



STOKE-ON-TRENT
Sir Henry Doulton House
Forge Lane
Etruria
Stoke-on-Trent
ST1 5BD
Tel: +44 (0)845 111 7777

CARDIFF
22 Windsor Place
Cardiff
CF10 3BY
Tel: +44 (0)29 2072 9191

EDINBURGH
Suite 2/3, Great Michael House
14 Links Place
Edinburgh
EH6 7EZ
Tel: +44 (0)131 555 3311

GREATER MANCHESTER
2 The Avenue
Leigh
Greater Manchester
WN7 1ES
Tel: +44 (0)1942 260101

LIVERPOOL
14 Hurricane Drive
Estuary Business Park
Speke
Liverpool
L24 8RL
Tel: +44 (0)151 494 5431

LONDON
Sutherland House
5-6 Argyll Street
London
W1F 7TE
Tel: +44 (0)20 7287 2872

NEWCASTLE UPON TYNE
City Quadrant
11 Waterloo Square
Newcastle upon Tyne
NE1 4DP
Tel: +44 (0)191 232 0943

SHEFFIELD
Unit 4
Newton Business Centre
Newton Chambers Road
Thornccliffe Park
Chapelton
Sheffield
S35 2PH
Tel: +44 (0)114 245 6244

TRURO
Wheal Jane
Baldhu
Truro
Cornwall
TR3 6EH
Tel: +44 (0)1872 560738

WEST BROMWICH
Thynne Court
Thynne Street
West Bromwich
West Midlands
B70 6PH
Tel: +44 (0)121 580 0909

International offices:

ALMATY
Office 515
43 Dostyk Avenue
Almaty
Kazakhstan
050010
Tel: +77 273341310

BEIJING
1321 Golden Land Building
No. 32 Lian Ma Qiao Road
Chaoyang District
Beijing
China
Tel: +86 (0)10 64 64 6118