

# Technology, energy and innovation

Planning for the future environment

Turley

# Introduction

From ports, to science parks, to data centres and R&D facilities, the technology, innovation and energy sectors are playing a key role in shaping the UK and Ireland's industry. Our experience and expertise means we are able to apply our knowledge and create the conditions for success when planning for future development.

As a multi-disciplinary planning and development consultancy, we have the skill set and expertise to plan for future generations. We have an extensive track record in securing planning permission for energy infrastructure projects of scale and significance across all regions of the UK and Ireland as well as technical and medical innovation campuses in our towns and cities. We have also advised on Development Consent Orders for Nationally Significant Infrastructure Projects (NSIP) in England and Wales.

Technology, energy and innovation projects demand high quality, specialist skills and knowledge to successfully navigate different consultation and consenting regimes. Our UK-wide presence enables us to match our expertise and experience to the particular requirements of an individual project. We are not constrained by geography; we work flexibly to ensure that the best team is always assigned to each project.

Our cross-service offer means we can:



**Strategically review sites**



**Plan for net zero**



**Connect planning with people, data and technology**

# How we can help to deliver technology, energy and innovation developments

## Site identification:

- GIS capabilities - using objective criteria based assessments to identify optimum sites
- Introductions to owners / promoters of strategic land
- Review of historic consents / refusals
- Holistic site reviews incorporating survey work alongside masterplan led review

## Site appraisal / risk management:

- Planning policy reviews and advice
- Site appraisals
- Stakeholder audits
- Pre-application discussions with LPAs and other stakeholders
- Monitoring / review of competing applications and preparation of objections / representations where appropriate
- Ability to meet ESG and net zero criteria

## Site promotion:

- Representations to national policy
- Development plan monitoring and representations
- Strategic advice re: consenting strategy to minimise risk and maximise chances of success
- Co-ordinating planning applications, marine licences and Section 36 applications and other relevant consent applications
- Preparing Development of National Significance (DNS) applications
- Development Consent Order Applications for NSIP projects
- Preparing Common Land Consent Applications (NSIP)
- Expertise in CPO
- Masterplan led vision and promotion
- Economic and social strategy - identifying and responding to local challenges and opportunities to inform proposed uses

## Technical support:

- EIA co-ordination
- LVIA
- Climate change assessments and net zero strategy
- Economic, social and health impact assessments
- Heritage appraisal / assessments
- Strategic communications
- Discharging of planning conditions and re-application of marine licences to ensure validity in line with build period
- Planning appeals - including expert witness services for public inquiry
- Reviewing Section 106 and other legal agreements and supporting negotiations with key stakeholders where necessary
- Advising in respect of site restoration bonds and on matters relating to community benefit payments
- Identifying funding opportunities and alignment
- Sustainability / energy assessments

# Project experience

- 1 Large scale coastal logistics sites
- 2 Project Erebus
- 3 Protos Resource Recovery Park
- 4 Biorefinery & CHP Plant
- 5 Barton Renewable Energy Plant
- 6 MMU – Science & Engineering Building
- 7 MIRA Technology Park, Nuneaton
- 8 Port of Aberdeen
- 9 Wadell Corporate Economic Impact Assessment
- 10 Birmingham Health Innovation Campus
- 11 Long Mountain Wind Farm, County Antrim
- 12 Energy Generation Plant, Port Talbot





## 1 Large scale coastal logistics sites

### CLIENT

All work under NDA (confidential)

### LPA

Various

### STATUS

Bespoke outputs from vision documents, site promotion, masterplan strategies and focussed reports setting out key next steps within the planning process

### SERVICES

Planning, Design, Strategic Communications, Economics

Large scale coastal logistics sites (200ha+) for multiple client groups. We are reviewing existing logistics and site opportunities, and providing a masterplan led approach for strategic decision making with the focus on future energy and innovation opportunities.

## 2 Project Erebus

### CLIENT

Blue Gem Wind

### LPA

Pembrokeshire Coast National Park and Pembrokeshire County Council (off-shore elements under the jurisdiction of Natural Resources Wales)

### STATUS

Ongoing

### SERVICES

Planning

We are providing strategic planning and consenting advice to BlueGem Wind (a JV between Simply Blue Energy and Total) in relation to its 96MW Erebus demonstration project located off the Pembrokeshire coast. Erebus will be the first floating wind farm in the Celtic Sea and, when complete in 2027, will be one of the largest floating wind farms in Europe.





### 3 Protos Resource Recovery Park

#### CLIENT

Peel Environmental

#### LPA

Cheshire West and Chester Council

#### STATUS

Planning permission granted

#### SERVICES

Planning, EIA, Economics, Sustainability

Our role has been to successfully navigate the planning regime for what has been a very contentious proposal. The project is highly technical and complex, addressing issues of air quality, landscape capacity, sustainability and economic impact. We have, and continue to provide expert advice on planning, Environmental Impact Assessment (EIA) and economic matters. The park, once fully developed, will extend to over 100 ha and comprise a Biomass Renewable Energy Plant, a 49MW energy from waste plant, a broad range of industrial developments and multi-modal infrastructure. It will be the largest development of its kind in the UK.

### 4 Biorefinery & CHP Plant

#### CLIENT

Green Spirit

#### LPA

South Somerset District Council

#### STATUS

Approved

#### SERVICES

Planning, EIA

We co-ordinated the preparation and submission of a planning application and Environmental Impact Assessment (EIA) for a major new facility to produce bio-ethanol from grain for use as a vehicle fuel with an associated CHP plant. The plant, which was the first of its type in the UK to secure planning permission, is designed to produce up to 110,000 tonnes of bio-ethanol per annum, also producing bottled CO<sub>2</sub> for use in the soft drinks market and wet and dry animal feed, as sustainable co-products of the process.



## 5 Barton Renewable Energy Plant

### CLIENT

Peel Energy

### LPA

Trafford Borough Council

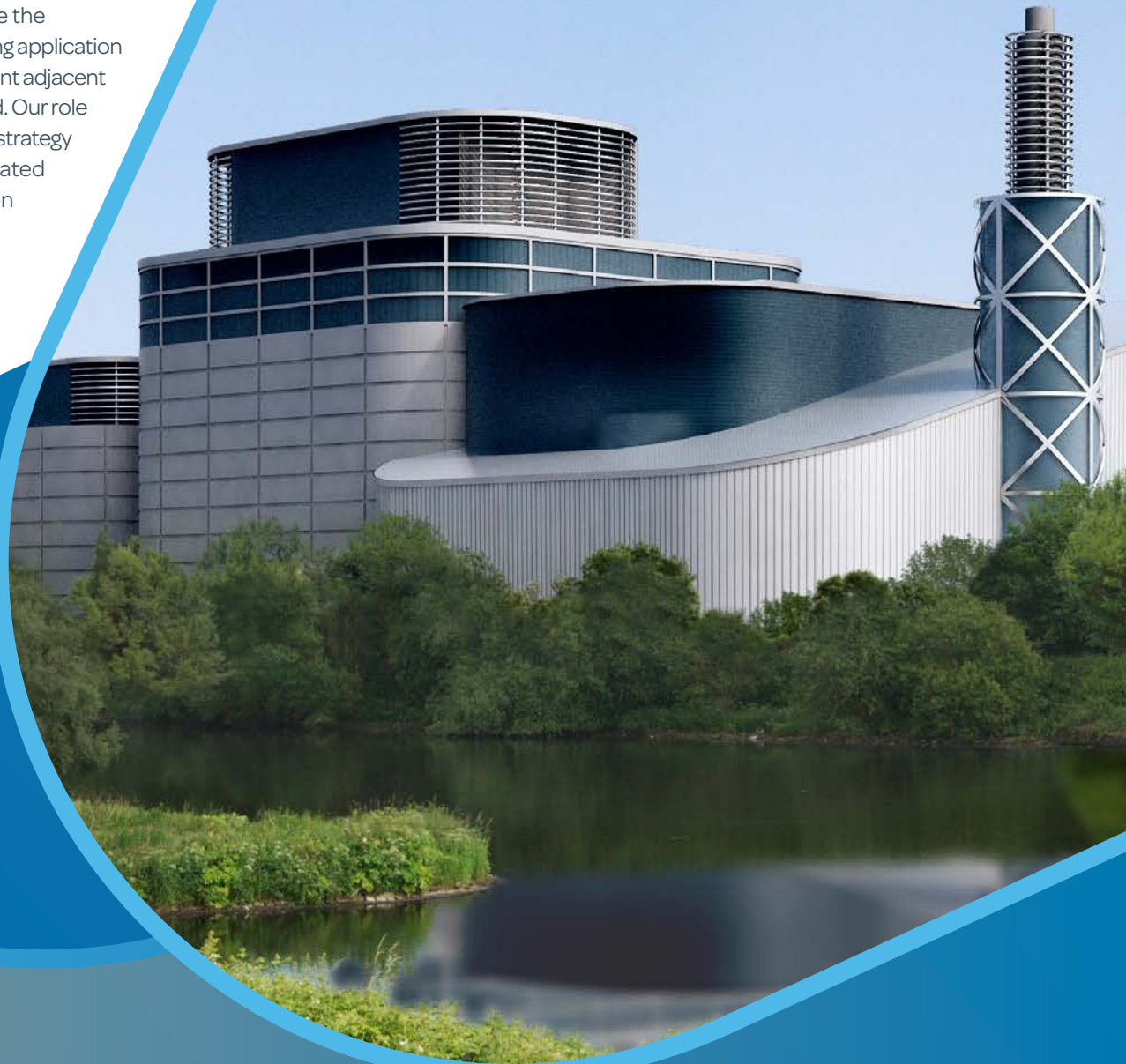
### STATUS

Planning permission granted

### SERVICES

Planning, EIA, Expert Witness  
(including participation in Judicial  
Review process)

We were appointed to project manage the preparation and submission of a planning application for a new biomass renewable energy plant adjacent to the Manchester Ship Canal in Trafford. Our role involved the provision of initial planning strategy advice and we subsequently co-ordinated preparation of the planning application and EIA, and led consultation with several stakeholders.



## 6 MMU – Science & Engineering Building

### CLIENT

Manchester Metropolitan University

### LPA

Manchester City Council

### STATUS

Planning permission granted

### SERVICES

Planning, Economics, Strategic Communications, EIA

New state-of-the-art building for the Faculty of Science and Engineering providing new teaching spaces, cutting-edge laboratories, academic offices, social learning area and a new energy centre, as well as extensive public realm works. We are providing planning strategy advice throughout the multi-phase project, which will assist the faculty in driving new scientific discovery, nurturing innovation in hydrogen fuel cell technology and Industry 4.0 technologies.





## 7 MIRA Technology Park, Nuneaton

### CLIENT

Motor Industry Research Association (MIRA)

### LPA

Hinckley & Bosworth Borough Council

### STATUS

Planning permission granted

### SERVICES

Planning

We secured planning permission for a new MIRA Technology Park which will provide 162,500 sq m of high quality R&D space and create a proposed focus for European R&D operations for global vehicle manufacturers. The site has been granted Enterprise Zone status. We provided advice in relation to the development of the Catapult building and are involved in delivering various aspects of the wider technology park.



## 8 Port of Aberdeen

### CLIENT

Port of Aberdeen

### LPA

Aberdeen City Council

### STATUS

Ongoing

### SERVICES

Design, Planning, Economics

We set out an ambitious and transformational vision for the future of Port of Aberdeen (PoA) North and South harbour, to continue to diversify its business and lead Scotland's energy transition from oil and gas over the next 30 years to 2050 and beyond. We recently provided a masterplan refresh to align with new local / national policy, global changes, and climate change.

## 9 Wasdell Corporate Economic Impact Assessment

### CLIENT

Wasdell Properties Limited

### LPA

Swindon Borough Council

### STATUS

Complete

### SERVICES

Economics

Our Economics team carried out in-depth research into the operations of an innovative pharmaceutical packaging company to understand and evidence the existing economics and community benefits, including its role in developing new health care solutions on the national and international stage.



# 10 Birmingham Health Innovation Campus

## CLIENT

Bruntwood SciTech

## LPA

Birmingham City Council

## STATUS

Planning permission granted

## SERVICES

Planning, EIA, Strategic Communications, Heritage and Townscape, Economics

The Birmingham Health Innovation Campus site is one of only six Life Science Opportunity Zones in the UK. Our involvement dates back to the late 1990s, providing strategic advice on how best to bring the site and wider former Battery Park site back into use. A hybrid planning application was submitted for a 77,512 sq m health innovation campus, which when built will support up to 10,000 new jobs in the region and bring in around £400 million to the local economy.





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## Long Mountain Wind Farm, County Antrim

**CLIENT**

Energia Renewables

**LPA**

Causeway Coast and Glens Borough Council

**STATUS**

Complete

**SERVICES**

Planning

The proposed hydrogen production compound was a pilot proposal for Northern Ireland and formed part of an EU Funded research project into the generation of alternative energy fuels from renewable energy.

## 12 Energy Generation Plant, Port Talbot

**CLIENT**

Tata Steel Ltd

**LPA**

Neath Port Talbot County Borough Council

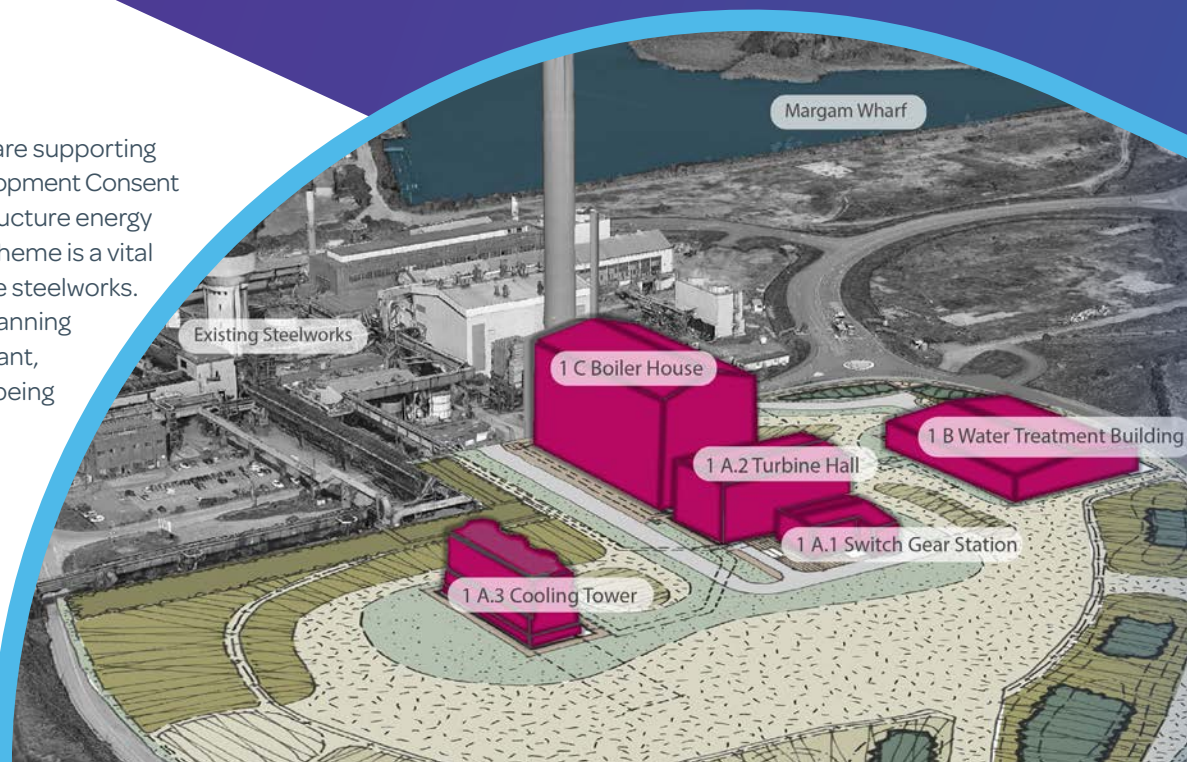
**STATUS**

Staged implementation of a Development Consent Order (30 Dec 2015), being a gas fuelled electricity generating station with a nominal gross electrical capacity of up to 150 MW

**SERVICES**

Planning, Design, Landscape

Our Planning, Design and Landscape teams are supporting Tata Steel Ltd in the implementation of a Development Consent Order, delivering a nationally significant infrastructure energy generation plant at Port Talbot. The energy scheme is a vital investment in the operational efficiency of the steelworks. We are providing negotiation with the Local Planning Authority, team co-ordination as lead consultant, and significant design and landscape input is being successfully provided by Turley to deliver this project to timescale and on budget.



# Key contacts

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# About Turley

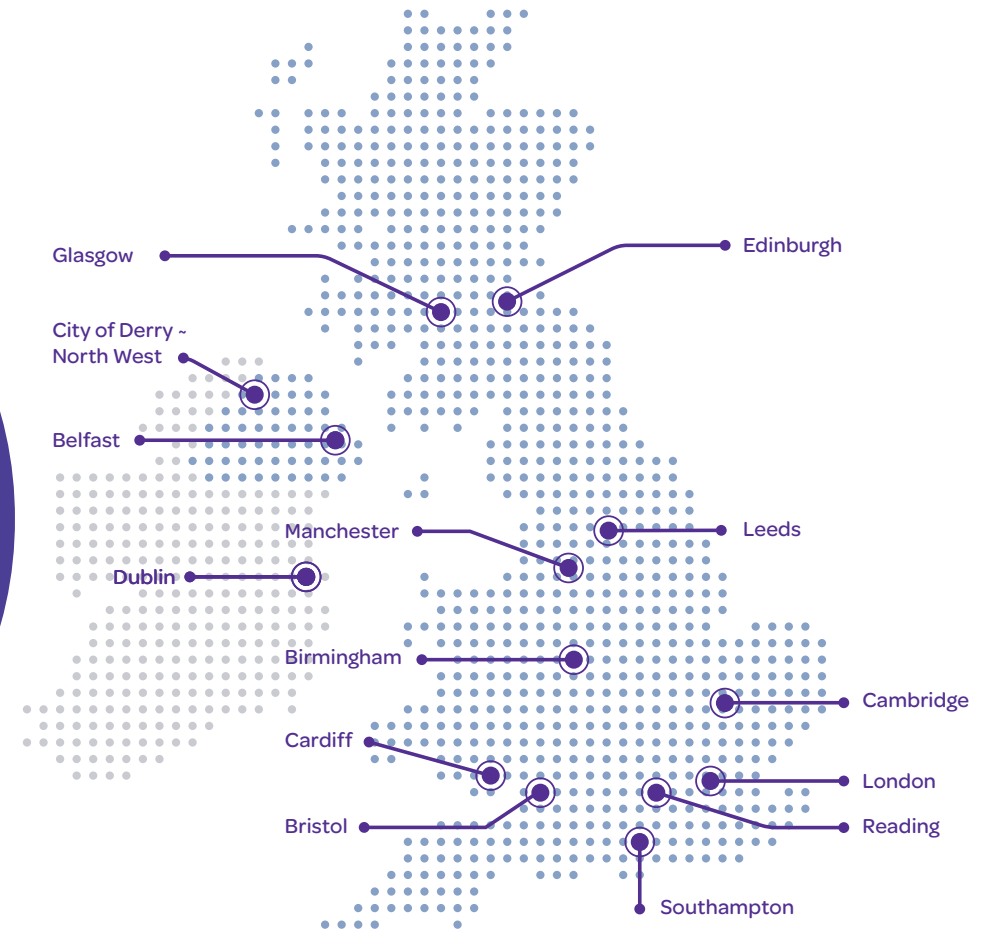
We are a full service planning and development consultancy.

Our Planning expertise is complemented by Business Cases and Funding, Design, Economics, EIA, Expert Witness, Heritage, Townscape and Landscape, Strategic Communications and Sustainability services. All services can be provided together or individually.

We help clients achieve good growth in all jurisdictions in the UK and Ireland from our locations in major cities and growth areas.

Our teams are experts in their fields; they shape better places and achieve success for our clients.

**We bring deep thinking, smart strategy and expert delivery.**



# Services

Many clients take advantage of our full service offer but all are available independently, working collaboratively with other consultant teams.

All our services are tailored to clients' needs and the objectives of the project.

We believe in good growth for our company, our clients and our communities. For us this means authentic, sustainable and inclusive growth which demonstrates our values and benefits wider society.



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