


# CASE STUDY

## SUPPORTING THE DELIVERY OF THE LIGHTHOUSE GREEN FUELS DCO

**CLIENT: ALFANAR**

**LOCATION: TEESSIDE, ENGLAND**

### HIGHLIGHTS:

- **Development Consent Order (DCO) Support**
- **Project Management**
- **Sustainable Aviation Fuel Infrastructure**

### CONTEXT

The Lighthouse Green Fuels project is a landmark renewable energy development designed to deliver the UK's largest Sustainable Aviation Fuel (SAF) production facility. Developed by Alfanar, the project will convert residual waste into low-carbon aviation fuel, supporting the decarbonisation of the aviation sector and contributing to the UK's net-zero ambitions.

As a Nationally Significant Infrastructure Project (NSIP), the development is subject to the rigorous Development Consent Order (DCO) process, requiring extensive environmental assessment, stakeholder engagement and technical coordination.

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Arthian supported the project through the role of Assistant Project Manager, helping to coordinate multidisciplinary inputs and maintain progress throughout the DCO process.

Key project challenges included:

- Managing the complexity of the DCO process and associated regulatory requirements
- Coordinating large volumes of technical and environmental information
- Aligning multidisciplinary teams working across planning, engineering and environmental disciplines
- Maintaining programme momentum within demanding project timescales
- Supporting the production of high-quality documentation suitable for examination by the Planning Inspectorate

## THE CHALLENGE

Delivering major infrastructure projects through the DCO regime requires the effective management of numerous technical workstreams, stakeholders and statutory requirements.

For Lighthouse Green Fuels, this challenge was amplified by the scale of the proposed facility and the need to coordinate planning, environmental and engineering inputs into a consistent and robust suite of application documents.

Maintaining alignment between specialist consultants, legal advisers and the client team while ensuring compliance with evolving programme requirements demanded a structured and proactive project management approach.

## THE SOLUTION

Working as Assistant Project Manager, Eimear Cheetham provided technical, organisational and coordination support throughout key stages of the DCO process. Responsibilities included:

- Supporting programme management across environmental, planning and engineering workstreams
- Tracking project progress and coordinating multidisciplinary deliverables
- Managing inputs from technical consultants to ensure consistency across application documentation
- Supporting the preparation and review of key DCO documents, including environmental assessment outputs and supporting technical reports
- Reviewing documentation for quality, clarity and compliance with DCO requirements
- Acting as a liaison between the client team, consultants and legal advisers
- Supporting project risk management and issue resolution
- Assisting with document management and coordination throughout the consenting process

To manage the complexity of the project, structured coordination and document control procedures were implemented, helping to maintain consistency across multiple technical disciplines and ensuring information was delivered efficiently and accurately.
This approach streamlined the development of application materials, improved the quality of submissions and supported effective responses throughout the examination process.

## OUTCOME

Through effective project coordination and technical integration, Arthian helped support the progression of one of the UK's most significant renewable fuel infrastructure projects through the Development Consent Order process.

The structured management of multidisciplinary inputs enabled the project team to maintain programme momentum, effectively manage project risks and produce robust documentation capable of meeting the requirements of the Planning Inspectorate.



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