



CASE STUDY

FRONT-END ENGINEERING DESIGN (FEED): ONSHORE CABLING ROUTE

CLIENT: CONFIDENTIAL
LOCATION: SCOTLAND

Highlights:

- Traffic Management Plan
- Access Management Plan
- CEMP
- Noise and Vibration Management Plan
- Biosecurity Management Plan
- Soil Management Plan



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Arthian

CONTEXT

Arthian was appointed by the Project's Principal Contractor to provide technical support and advice to the Front-End Engineering Design (FEED) for a confidential onshore cabling project in Scotland.

Working as part of a multi-disciplinary team, Arthian led the preparation and coordination of a suite of technical and environmental deliverables to support the design and planning stages of the project.



THE CHALLENGE

We developed a comprehensive, coordinated package of management plans and supporting documentation within a defined programme. Key deliverables included a Traffic Management Plan, Access Management Plan, Construction Environmental Management Plan (CEMP), Noise and Vibration Management Plan, Biosecurity Management Plan, and Soil Management Plan.

In parallel, the project required alignment among environmental, engineering, and planning inputs to inform the FEED design, while also meeting planning and regulatory requirements.

Additional responsibilities included facilitating pre-construction soil pest sampling and analysis, as well as overseeing archaeological trenching in accordance with the Project's Written Scheme of Investigation (WSI), adding further technical and logistical complexity.

THE SOLUTION

Following a detailed site walkover and review of existing project information, Arthian developed a comprehensive package of planning and technical documentation, including Environmental Impact Assessment inputs and support to Planning Consent.

Acting as the central coordinator, Arthian managed engineering inputs into the FEED design, oversaw the preparation of the required management plans, and engaged specialist sub-consultants where necessary, including for the Traffic Management Plan.

The work was delivered within the six-month programme and played a key role in shaping the FEED design and enabling the discharge of planning conditions.

As the project progressed into the Early Contractor Involvement (ECI) phase, Arthian continued to provide technical support to both the Civils Contractor and Principal Contractor, ensuring continuity and informed decision-making through the next stage of delivery.



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