



CASE STUDY

ENVIRONMENTAL SUPPORT FOR BEAULY-DENNY OVERHEAD LINE

CLIENT: SSE
LOCATION: SCOTLAND

Highlights:

- 600+ worksites
- Site Complexity and Challenges
- Mitigation and Management Strategies
- 250+ Private Water Supplies



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CONTEXT

Arthian was appointed by SSE to provide environmental support for the Beauly–Denny Overhead Line Scheme, a major infrastructure project spanning approximately 220 km across Scotland.

The scheme extended through remote and environmentally sensitive landscapes, requiring a coordinated approach to environmental management across more than 600 individual construction sites. Arthian was engaged to support compliance, risk management, and environmental performance throughout the delivery phase.



THE CHALLENGE

SSE appointed Arthian to provide environmental support for the Beaully-Denny Overhead Line Scheme, a landmark infrastructure project spanning 220km across some of Scotland's most remote and environmentally sensitive landscapes. The scale and complexity of the scheme were significant, with over 600 individual construction sites distributed along the route. Ensuring compliance with a wide range of environmental planning conditions and consents presented a major challenge, particularly given the diversity of habitats, land uses, and private interests affected by the works.

One of the most pressing challenges was the need to protect more than 250 private water supplies located along the route. Construction activities posed potential risks to these vital resources, requiring careful assessment and the implementation of robust control measures. In addition, the project demanded ongoing environmental monitoring and management, including regular audits and the tracking of actions across a vast and dynamic construction footprint. Effective communication and information management were essential to maintain compliance and respond to emerging issues in real time.

OUTCOMES AND ACHIEVEMENTS

Arthian responded by developing and delivering a comprehensive suite of environmental management services tailored to the unique demands of the Beaully-Denny project. A bespoke assessment methodology was created to evaluate the risks to over 250 private water supplies, ensuring that each site was individually assessed and that appropriate control measures were put in place to safeguard water quality throughout the construction period.

To maintain high standards of environmental compliance, Arthian conducted more than 100 audits across the project, systematically reviewing site practices and ensuring that all planning conditions and consent requirements were being met. A live/closed actions tracker was established and managed by Arthian, providing a centralised system for monitoring progress, addressing issues, and ensuring that corrective actions were implemented promptly.



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OUTCOMES AND ACHIEVEMENTS (continued)

Recognising the importance of effective information sharing, Arthian also designed and managed a project-wide environmental web portal. This platform enabled real-time communication and document management for all stakeholders, supporting transparency and facilitating rapid responses to environmental challenges as they arose.

Through this integrated approach, Arthian helped SSE to navigate the complex environmental landscape of the Beaully-Denny Overhead Line Scheme, ensuring that construction activities were carried out responsibly and in full compliance with all relevant planning and environmental requirements.



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