

Connection to the Grid. Powered by science.

BRIDGING THE GAP BETWEEN OFFSHORE WIND AND ONSHORE POWER: **CAPABILITY STATEMENT**

Connecting offshore wind farms to the grid is complex, requiring deep environmental insight, stakeholder alignment, and robust planning. APEM Group delivers science-led solutions that accelerate grid connection while protecting biodiversity and ensuring regulatory compliance.

We specialise in the seamless integration of offshore and onshore energy infrastructure across the full lifecycle, from concept and feasibility to cable installation and operation. Our approach derisks consenting, streamlines delivery, and ensures projects are buildable and environmentally responsible.

OUR APPROACH: POWERED BY SCIENCE

+ **Grid Connection**

From survey specification to stakeholder engagement, we utilise marine and onshore environmental data and apply expertise to get your project connected faster.

+ **Biodiversity Protection**

We identify risks to protect habitats and ensure compliance through expert insight, advising in the collection of high-quality data, and continuous monitoring.

+ **Informed Routing**

Our joined-up approach to marine and terrestrial environments helps developers to identify optimal landfall locations and cable routes, avoid constraints, minimise environmental impact, and reduce consenting risk.

+ **Stakeholder Alignment**

Our communications are grounded in facts and informed by experience and knowledge to help build trust with regulators, statutory advisors, and interested parties.

PROJECT HIGHLIGHT

Xlinks Morocco–UK Power Project

APEM Group led the UK marine permitting and environmental support for the groundbreaking Xlinks Morocco – UK Power Project, a 4,000 km subsea cable that linked renewable energy generation in Morocco to the UK grid. Our experts provided ecological and technical leadership across marine disciplines, including fish, ornithology, marine mammals, and benthic ecology, showcasing APEM's ability to manage complex, multi-jurisdictional environmental assessments while protecting sensitive marine habitats.

KEY SERVICES

Environmental Impact Assessments (EIA)

Ensuring robust assessments, compliance with regulations and minimising impacts on marine and terrestrial ecosystems.

Approval support

High-resolution aerial surveys to efficiently map onshore cable corridors, reduce costs, minimise health and safety risks, and provide detailed 3D models for precise planning.

Terrestrial and landscape design

Integrated terrestrial ecology and landscape visualisation services to support landfall infrastructure. This includes Biodiversity Net Gain planning, habitat assessments, and visual impact mitigation.

Marine permitting

Securing necessary approvals for offshore infrastructure (including construction and operation).

Technical expertise

Specialised knowledge to inform survey planning and assessments in ecology, ornithology, marine mammals, and marine physical processes.

Advanced technologies

GIS for optimised cable routes, LiDAR for precise mapping, and high-resolution surveys for detailed marine data.

CONTACT US TODAY

apemgroup.com

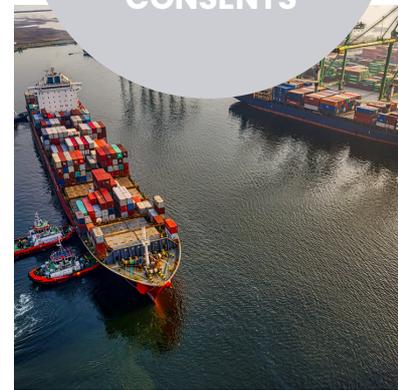
Informed
routing.
Powered
by science.

APEM Group



98%

SUCCESS RATE
IN SECURING
CONSENTS



FROM CONCEPT TO CONNECTION, WE:

- ✓ Prioritise early and informed route selection to reduce risk and environmental impact.
- ✓ Navigate complex planning and legislative landscapes across the UK, Ireland, and Europe.
- ✓ Deliver robust, high-quality data to support timely and successful consents.
- ✓ Foster innovation, collaboration, and curiosity to solve complex transmission challenges.

WHY CHOOSE APEM GROUP?



- **30+ years** of environmental consultancy experience
- **100+ offshore wind projects** supported across Europe
- Unrivalled **marine and terrestrial planning** expertise.