

Ports & Harbours

WHERE MARITIME EXPERTISE MEETS ENVIRONMENTAL INTEGRITY: **CAPABILITY STATEMENT**

Ports and harbours are vital to global trade, offshore energy, and coastal resilience, but their development and operation demand expert environmental insight, stakeholder alignment, and advanced risk management. APEM Group delivers science-led solutions that support navigation safety, secure consents, and sustainable growth across the maritime sector.

We deliver world-class maritime consultancy, underpinned by advanced data science and deep sector expertise. Our support spans every stage of port and harbour development, from feasibility and engineering design to construction, marine operations optimisation, and post-consent compliance. With integrated, in-house capabilities, we streamline delivery, reduce risk, and ensure projects are both commercially viable and environmentally responsible.

OUR SCIENCE-LED APPROACH



Combine global expertise with local knowledge to deliver tailored solutions.



Leverage cutting-edge tools to enhance safety and efficiency.



Foster collaboration and transparency across all project stages.



Deliver high-quality data and insights to support timely consents and sustainable outcomes.

PROJECT HIGHLIGHT

London Gateway Ground Investigations, UK

APEM Group, through NASH Maritime, delivered a Navigation Risk Assessment (NRA) to support ground investigation works at London Gateway. The study evaluated vessel interactions and safety implications of nearshore operations in a busy port environment. Our team collaborated with stakeholders to ensure safe planning and regulatory compliance. [Read more.](#)

PORTS AND HARBOURS DEVELOPMENT SUPPORT

Site Feasibility & Selection

We conduct comprehensive feasibility studies for port development, combining navigational risk screening, GIS-based constraint mapping, and early stakeholder engagement.

Environmental Surveys

We deliver robust baseline ecological surveys across marine, freshwater and terrestrial environments, supported by high-resolution aerial and LiDAR data.

Environmental Impact Assessment

We manage full EIAs, including cumulative impact assessments, navigational risk modelling and assessment, and habitat compensation planning.

Securing Approval

We prepare and manage consent applications, provide expert witness services, and develop mitigation and monitoring strategies. We also engage with regulators and support offshore logistics and wet storage consenting.

Construction & Monitoring

Our team provides on-site environmental compliance monitoring, real-time data reporting, and deployment of marine mammal and bird observers. We ensure navigational safety and adaptively manage construction impacts.

Operational Support & Maintenance

We offer ongoing ecological monitoring, navigational risk reviews, and support for dredging and sediment management.

APEM Group



WHY CHOOSE APEM GROUP?

- ✓ **100+ years** of combined maritime experience
- ✓ **Global reach** with local expertise in the UK, Ireland, Australia, and North America
- ✓ **Trusted by port authorities and developers worldwide**
- ✓ **Innovators in marine risk modelling and ecological assessment**
- ✓ **Proven success** in projects like Thames Tideway Tunnel, Dublin Port, and Rosslare Europort.



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