

# Marine services



## Frazer-Nash Consultancy Ltd

Frazer-Nash is renowned for its marine expertise and its work across the defence, aerospace, power, industry and transport sectors. We use advanced engineering analysis to improve safety, efficiency and performance. And we provide independent advice to minimise risks and reduce costs and liabilities.

Our clients know they'll get the very best in strategic planning, project management, design and technical support, which is why many of the world's leading private and public sector organisations use us to overcome some of their greatest challenges.

With experience across the development life cycle, from requirements definition and project delivery through to recycling and disposal, our marine specialists provide a comprehensive and tailored service. And with access to the wide breadth of skills and expertise within the whole company, there's someone, somewhere who has the solution to even the most complex problem.

*“Frazer-Nash’s consultants apply their expertise and know-how to develop, enhance and protect their clients’ critical assets, systems and processes.”*

### Our clients

We understand the business context of the services we provide and deliver tailored solutions throughout the project life cycle.

Clients who benefit from our unique expertise and know-how include:

- Accident investigators
- Civil engineering companies
- Classification societies
- Emergency responders
- Equipment providers
- Government bodies
- Local authorities
- Marine and protection and indemnity insurers
- Investors
- Port authorities
- Regulators
- Renewable energy companies
- Ship designers/builders
- Ship owners/operators
- Shipping agents
- Shipping law firms
- Shipyards
- Utilities vessel charterers



# Adding value to your business

## Why Frazer-Nash?

We listen, we evaluate, we respond and we deliver – always with integrity and without compromise. At Frazer-Nash, we provide support to improve and safeguard the development and operation of major marine projects, assets and facilities.

We have a broad portfolio of systems and engineering capabilities. This means we can give our clients the advantage they need to compete and win in their markets.

Our reputation is rooted in 80 years of independent engineering thinking. Everything we do is focused on providing robust, dependable advice and timely solutions that add real value.

*“At Frazer-Nash we understand what’s really important to our customers: a high-quality result, complete reliability, value for money and a clear competitive edge.”*

## Our people

Spanning the complete range of engineering, systems and technology disciplines, the people at Frazer-Nash are recognised for their expertise and professionalism. They know that listening to our clients and understanding their business needs is key to Frazer-Nash’s success.

We continually invest in the training and quality of our employees, and we’re proud of the dedication and commitment they show in delivering our clients’ projects.

*“Drawing on our domain experience, and using our advanced analytical skills and unique modelling techniques, we support clients across all areas of marine operations and engineering.”*



## Our areas of expertise

- Aerodynamics and wake analysis
- Asset integrity management
- Capacity studies
- Composites
- Computational fluid dynamics (CFD)
- Corrosion
- Cost-modelling and acquisition support
- Craft optimisation
- Design
- Due diligence
- Electrical system design
- Environmental audit
- Expert witness
- Fatigue life assessments
- Fluid dynamics
- Historic ship restoration
- Human factors
- Hydrodynamic and stability assessment
- Information and data assurance
- Investment optimisation
- Impact and blast analysis
- Maintenance scheduling and optimisation
- Materials
- Computer modelling and simulation
- Naval architecture design and concept assessment
- Noise and vibration
- Power plant enclosure and propulsion design
- Safety and environmental audit and advice
- Scheduling and process optimisation
- Structural integrity
- Supportability techniques and analysis
- Thermal management and HVAC analysis



## Our core capabilities

### Expert witness

We provide independent, high-quality appraisal of technically based incidents, and the assessment of proposed improvement and mitigation methods. Accident investigations, ship restoration and salvage operations have all benefited from our unique experience and know-how.

### Strategic planning and procurement

Our experts provide independent advice to support our clients' investment programmes, including how to balance options for life extension appropriately with the procurement of new assets, taking into account whole-life cost. Our technical due diligence expertise, coupled with our experience of risk assessment, helps develop owner, investor and insurer confidence.

### Optimising operations

With a full understanding of navigational safety, risk management, logistics, systems assurance and cost-benefit assessment, we're able to identify the optimum use of water space and space onshore. Our expertise in the appraisal of proposed changes to traffic services and infrastructure and assessment of investment options empowers our clients to make the right strategic decisions.

### Security management

Our clients are benefiting from our risk-based approach to security evaluation and management. Covering information management, compliance, infrastructure damage, resilience and root-cause analysis, our specialists are helping them apply proportionate and appropriately targeted investment strategies.

### Improving performance

With the assessment and integration of new technologies, we're helping to improve operational efficiency and adding value to fleet management processes. With a focus on minimising business- and change-related risks, we can identify schedules that maximise the flow of traffic, manage critical dependencies and improve energy efficiency.

### Integrated safety and security management systems

We add value to our clients' businesses by developing processes and cultures that deliver compliance through appropriate and harmonious interaction between safety, security and environmental management systems.

### Business resilience

We're helping our clients protect their businesses and reputations through the implementation of robust business continuity systems. We work with them to identify their business risks, including their IT network and data management environments, and develop cost-effective resilience processes that resist disruption and aid recovery.

### Helping meet statutory responsibilities

We deliver increased business efficiency and reduced business risk by implementing effective regulatory compliance management systems. Our tried and tested approach to business continuity and emergency response planning ensures that our clients' arrangements are proportionate and effective.

To find out more about our work  
and how we can add value to your business,  
email [marine@fnc.co.uk](mailto:marine@fnc.co.uk) or visit our website:

**[www.fnc.co.uk](http://www.fnc.co.uk)**



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