

Strategic Modelling

Service Category: Cloud Migration Planning, Cloud Support Services

About Our Service

Our strategic modelling service can help solve your most complex business challenges. We use our proven systems approach to build models that help you understand, explore, design and test strategy options, business cases and investment decisions. Working collaboratively with you, we develop evidence-based visualisation that informs your best way forward.



Service Features

Scenario planning,
scenario modelling
and uncertainty
modelling

Strategy
simulations,
scenario
visualisations and
visualising complex
information

Business case
options analysis for
better evidence-
based decisions

Management flight
simulators and
performance
dashboards

Business decision
optimisation and
predictive analytics

Agent based
modelling of fleets
and logistics for
investment
decisions

Cost modelling

Benefits modelling

Economic analysis

Workforce and
population
modelling

Service Benefits

Understanding how
to navigate
complex, new or
uncertain decisions

Preparing the best
approaches for
different future
scenarios

Understanding the
optimised timing for
investment
decisions

Designing changes
to your business

Managing
transformation and
change effectively

Calculating the
expected costs and
benefits for
business cases

Communicating
complex decisions
to a variety of
stakeholders

Providing the robust
evidence basis for
decisions

Visualising change
and transformation
activities

Detailed Service Definition

Frazer-Nash works with industries that are undergoing complex transformations. These transformations create future uncertainty and complex new decisions that require successful navigation. The Frazer-Nash strategic modelling service delivers the best options to navigate this complexity, allowing you and your teams to navigate new situations confidently and with agility.

- We bring the latest techniques from academia and develop our own innovations by addressing some of the most complex problems in safety critical domains.
- Our growing team of data scientists, software developers and statistical modelling experts currently totals around 200 people.

Detailed Service Definition (continued)

- We develop bespoke system modelling and data science solutions to address the client's problem (not tied to any proprietary software), tailoring the level of sophistication to the requirement.
- Our modelling teams work with organisational psychologists, business improvement experts, economists and industry experts depending on the nature of the strategic problem.

Our systems thinking approach to modelling is designed to create clarity in complex environments. Typically, our teams will work with your organisation to:

Understand the context and the problem elements

- Documenting these ensures that all the key components and influencing factors are captured, agreed upon and considered.

Understand the relationships and the whole system

- A key part of systems theory is to understand how parts of the system are related. These relationships affect the dynamics of the system and can be used to predict what will happen next if a change is made.

Detailed Service Definition (continued)

Explore, optimise and integrate

- Developing models of the system (either static architectures or dynamic simulations) allows for exploratory analysis and optimisation, before implementing in the real world.

Test and validate

- Make sure that the chosen approach delivers the intended benefits and adapt in future if needed.

We are adept at a full range of modelling and decision support techniques such as artificial intelligence systems, probabilistic forecasting models, agent-based models, discrete event simulations, system dynamics, geographic information systems, automation, machine learning and uncertainty analysis. The models we create can be used to understand and explore strategy options to determine the best approach across a range of future scenarios. We use Monte Carlo or Bayesian statistical approaches to explore uncertainty in the future. You get bespoke interactive visualisations to improve engagement and communication of the modelling results. Your model can be hosted in the cloud to provide access to whoever you need, wherever they are. Our teams can support authoring and communicating strategy documents, business cases and policy, using the models to inform and evidence the approach.

Why Frazer-Nash Consultancy?

Frazer-Nash Consultancy is an independent engineering and technology consultancy with over 35 years' experience delivering high-quality digital and cloud-enabled solutions. We support organisations operating in complex and regulated environments through our collaborative approach and deep expertise in digital engineering, software development and systems integration.

We are **solution and technology-agnostic**. We assess our clients' requirements and provide impartial advice and design solutions based solely on their needs. This independence enables us to select the most appropriate cloud technologies and architectures to deliver secure, resilient and value-for-money outcomes.

Our cloud solutions are informed by experience gained across multiple platforms, sectors and use cases. We combine proven engineering discipline with a strong understanding of integration and whole-system design to support and enable cloud adoption while managing risk and ensuring long-term sustainability.

Our Commitment to Quality

Frazer-Nash is committed to delivering consistently high-quality services and outputs that **often exceed customer expectations**. Quality is embedded throughout our ways of working, from engagement and communication through to delivery and assurance.

We actively monitor progress using our robust, proportionate controls, ensuring key decisions are subject to appropriate challenge. Each project is allocated a dedicated Project Manager, a Project Supervisor who independently reviews and approves monthly reports, and a Project Auditor for ongoing quality assurance.

We ensure accuracy and suitability for purpose of all deliverables, with independent verification by two reviewers. Our Quality Management System is certified to **ISO 9001 and TickITplus** (for software development), providing customers with confidence that our quality standards are externally assured and continuously maintained.

Our Security

Frazer-Nash operates robust security processes and controls suitable for handling sensitive and classified information **above OFFICIAL** up to and including **Top Secret**. Security is embedded across our people, processes and systems, ensuring information is protected throughout delivery.

We support sensitive and critical programmes across government and national infrastructure by applying strict information-segregation controls, including team separation to address security, or conflict-of-interest considerations

All 1500 staff hold **BPSS clearance as a minimum**, with the majority cleared to **SC** and over 225 consultants holding **DV clearance**.

Our IT systems are certified to **ISO 27001** and **Cyber Essentials Plus**, providing assurance that information security risks are proactively managed in line with recognised industry standards.

Our Approach to Subcontracting

Frazer-Nash primarily delivers services through our large base of permanent staff, supplementing this capability where required with trusted partner organisations to provide additional flexibility, specialist expertise and scale while retaining full delivery control.

We are experienced in engaging and managing subcontractors across the full project lifecycle, ranging from sole traders to large multinational organisations. Our structured approach ensures the right supplier is selected for each requirement and integrated effectively into the delivery team.

Our subcontracting processes focus on robust supplier identification and assessment, clear definition of scope, appropriate flow-down of contractual terms and conditions, and proactive risk management. All subcontractors are subject to proportionate commercial and technical due diligence to ensure they meet our standards for security, quality and delivery, enabling us to deliver outcomes on time, within budget and to the required quality.



Resourcing

Frazer-Nash employs over **1,500 technical specialists** across all grades, from **Follow to Set Strategy**, providing depth, continuity and scalability across a wide range of disciplines, backgrounds and experience levels.

To support agile and flexible delivery, our people are organised into defined **technical delivery areas** (including Information Systems, Cyber, Modelling and Software), which are deployed across multiple sectors such as central and local government, policing, health and energy. This structure, combined with strong portfolio, programme and project management (P3M), enables us to actively monitor demand and adapt resourcing throughout the project lifecycle.

We deliver complex requirements efficiently, consistently and at pace by forming tailored, multi-disciplinary teams led by a single accountable Project Manager.

Our consultants regularly work across different sectors, enabling us to cross-pollinate ideas, tools and best practice between domains. Drawing on in-house expertise, such as information security and human factors, we ensure effective and responsive delivery for every client.



Our Commercial Approach

Frazer-Nash adopts a flexible and transparent commercial approach to ensure best value and a model that aligns to each client's specific requirements. We collaborate with customers to clearly define the scope of services and agree a commercial structure that is predictable, proportionate and aligned to your required outcomes and effective delivery.

Depending on the requirement, this may include a **fixed-price model for clearly defined scopes**, or **time and materials using agreed day rates** where flexibility is required to accommodate evolving needs.

For longer-term or ongoing service requirements, and where we have control over resource flexibility, we can also offer a **single blended day rate** covering a range of grades. This provides simplicity, transparency and ease of management while maintaining access to the appropriate skills at the right time.

Next Steps

To discuss your requirements in more detail or request an order for services, please contact ccs@fnc.co.uk

