

Forecasting

Service Category: Cloud Migration Planning, Cloud Support Services

About Our Service

Our forecasting models can be used to explore likely system performance either in the future, or in regions of parameter space not previously experienced. We have a range of methods (Delphi Modelling, Bayesian) to build these models depending on the volume and quality of historical data available.



Service Features

**Delphi Modelling
and scenario
planning for low
data situations**

**Statistical models
for situations with
high data quality**

**Scientific models for
well understood
systems**

**Probabilistic or
Bayesian Networks
for uncertainty
propagation**

**Machine and deep
learnt models for
complex cases**

**Strategic modelling,
policy modelling,
and cost benefit
analysis**

Service Benefits

Allows the likely
future state to be
forecast

Uncertainty
modelling allows
decisions at
appropriate
confidence

Investigate
proposed changes
before committing
to them

Optimise the
performance of
assets or systems

Inform strategy and
policy decisions



Detailed Service Definition

Forecasting aims to predict how a system will behave in some future scenario.

In some cases, the objective is simply to forecast how an existing system will evolve with time, however this becomes more complicated if the system is not yet in place, or if its operational mode is to be changed.

Our approach to forecasting is to firstly consider what outputs are required and hence what aspects of the system must be considered in the forecast.

A forecast always requires some form of model and we are experienced in a wide range of approaches and can select an appropriate one for the situation. Examples include:

Detailed Service Definition (continued)

- Delphi models and scenario planning approaches that are ideal for highly uncertain saturations where either the system is not extant or where the operational mode is being significantly changed.
- Regression or time series-based models that are appropriate where operational data exists and that this is felt to be informative of future performance.
- Physical models that are helpful where the basis of the system is understood in scientific or econometric terms. These approaches are often deployed as Bayesian networks to allow uncertainty to be treated rigorously.
- AI based models that are appropriate for systems where the driving mechanisms are unclear and where the application permits a reduction in transparency.

In all cases we seek to ensure that the model aligns with the insight required, such that it can be used to inform decisions with appropriate confidence. Our approach is also extensible, such that we can advise on appropriate steps should enhanced confidence be required.

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

