

Geospatial Systems Consultancy

Our standards-based technology-agnostic approach, supported by domain expertise in geospatial systems and services, will help you design and deliver better services and realise operational efficiency.



Service Definition

Frazer-Nash's geospatial services cover the full project life-cycle, supporting greater efficiency and innovation in public systems and service development. Technology neutral, we specialise in open GIS architectures. Services cover architecture and design, technology selection & roadmapping, spatial analysis, BIM, cloud deployment, and emerging technologies including Linked Data and machine learning.



Service Features

- Cloud-based geospatial services, including spatial analysis, modelling and automation.
- Information and data modelling for geospatial data
- Business analysis for requirements capture and management
- Standards-based systems architecture and modelling (e.g. TOGAF, ArchiMate)
- Large-scale geospatial data processing pipelines, and data migration
- Technology selection, roadmapping and review including COTS and Open software
- Advice on Open Systems Architectures and geospatial standards (e.g. OGC)
- Machine learning, Linked Data and semantic text analysis
- Geospatial metadata management, including catalogues and registry technologies and standards
- Security architecture and information assurance for secure geospatial systems



Service Benefits

- Independent and impartial advice on geospatial services and emerging technologies
- Reduce whole-life cost by avoiding vendor lock-in
- Identify and benefit from shared services and data
- Gain support for GOV.UK implementations and adherence to GDS guidelines
- Secure data migration
- Respond quickly to changes in user requirements
- Increase interoperability within organisations and with other stakeholders
- Sector specific advice for defence, security policing and transport
- Sector specific advice for energy, nuclear, environment and central government



Detailed Service Definition

Maximising the value of geographic information and other data linked to location has the potential to help deliver outstanding public services and generate savings for citizens. Public bodies are being challenged to move beyond 'digital usage' of geospatial data and deploy cloud-based geospatial intelligence tools as enterprise solutions. Geospatial systems have a unique ability to integrate information and services across departments, helping to break down organisational siloes and creating opportunities for innovation, and contributing to broader digital transformation goals.



Detailed Service Definition

Frazer-Nash is an independent consultancy providing advice to clients across a wide variety of technical capabilities, including geospatial consulting services. We are technology agnostic and specialise in open systems architectures, which are essential for delivery of agile, interoperable systems that support technical and commercial flexibility. Our independence enables us to support and critique architectures regardless of the chosen technology or methodology.



Detailed Service Definition

We have expertise in architectural frameworks and relevant open standards, including the W3C and Open Geospatial Consortium (OGC) standards that power the geospatial web. Our expertise extends to advising on adoption and implementation of open source software and Geographic Information Systems (GIS). Our services include technology evaluation and selection, horizon scanning, and roadmap development - drawing on our broad knowledge of commercial and open geospatial tools and technologies.



Detailed Service Definition

We are knowledgeable in design and deployment of desktop and web/cloud-based GIS and Spatial Data Infrastructures (SDI), and with particular expertise in metadata management, catalogue and registry development, security, modelling and simulation, and data processing pipeline/workflow services. We can also advise on the potential role of emerging technologies such as Digital Twins, Machine Learning, Deep Learning and other forms of AI to support advanced and next-generation geospatial systems.

This service meets the need for specialist geospatial expertise from organisations who are looking to deploy geospatial web services which meet the Digital Service Standard. We can support each phase of an agile project and are able to handle sensitive and classified information.



Why Frazer-Nash Consultancy?

We are an independent consultancy offering a broad range of cloud consultancy services. We have been at the leading edge of digital engineering and software development for over 35 years. We are 'solution agnostic' and provide truly independent advice. We are not tied to any hardware or software products; we design cloud-based solutions which are built on knowledge acquired from a broad range of applications developed across multiple platforms. We utilise this knowledge to add value to our clients through the technological advantages offered by cloud integration.



Our Commitment to Quality

From every aspect of engagement and communication we are committed to providing services and deliverables of the highest quality, to ensure we continually meet and exceed the expectations of our customers. Our processes include suitable controls to ensure progress is closely monitored and decisions are appropriately scrutinised.

In addition to a project manager, every project has a dedicated project supervisor (who impartially monitors and approves monthly progress reports) and dedicated project auditor (who ensures quality is followed). At a deliverable level, all customer outputs are verified for technical accuracy, and approved as appropriate for their purpose by two independent reviewers. Our Quality Management Systems is certified to ISO 9001 and the TickITplus scheme (for software development).



Our Security

Our processes and certification are fit to handle sensitive and classified information up to Top Secret. The majority of our staff are security cleared to at least SC and over 200 of our staff hold DV clearance. We are also experienced in handling highly sensitive commercial information, with the ability to separate teams as necessary for security and conflict of interest requirements. Our IT systems are certified to ISO 27001 and Cyber Essentials Plus.

Our Approach to Subcontracting

Our large base of full-time staff can be supplemented where required through partner companies and trusted associates providing us with flexibility and scale whilst retaining control. We are adept at quickly subcontracting a range of organisations when needed, from sole traders to large multinational companies, through the lifecycle of a project. Our processes focus on identifying, assessing and contracting an appropriate supplier; defining a scope of supply; flowing down terms and conditions where appropriate, and managing risk to ensure the purchase is delivered on-time, within budget and to the required quality. This includes undertaking a due-diligence process to commercially and technically 'approve' the suppliers we work with.



Resourcing

We employ over 1200 technical staff across all grades, from Follow to Set Strategy, with a vast range of specialities, backgrounds and experiences. To enable agile and flexible resourcing, we are grouped into a range of technical delivery areas (e.g. Information Systems, Cyber, Modelling, Software etc.), which can be applied to a range of sectors (e.g. Central and Local Government, Police, Health, Energy). This resource focus combines with our strong portfolio, programme and project management to allow us to monitor demand on a dynamic basis and respond to the changing demands of the project through its lifecycle.

Our staff work across a range of industry sectors allowing us to ‘cross-pollinate’ ideas and techniques between different domains. We build teams, led by a single responsible project manager, that are tailored to the specific challenge. We are fortunate to have a diverse range of capabilities within the same company, including information security, and human factors specialists. This allows us to efficiently and promptly deliver multi-disciplinary projects that meet your specific requirement.



Our Commercial Approach

Our commercial approach is flexible to provide best service and value to our clients.

We will discuss with you the specifics of the support and services you require and build an appropriate commercial model to deliver this scope. This could be a defined scope fixed priced service, or provision of time and materials agreed day rates suitable for a developing scope.

Where you have service requirements for an extended period, and where we have control of the resource flexibility, we are also able to offer an agreed single blended day rate for support at a range of grades.

Next Steps

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