

Digital Twin

Using our proven approach to developing market leading digital twins that meet your security requirements, provide key insights into complex systems and deliver unparalleled value to you and your stakeholders.



Service Definition

We are a pioneer of Digital Twin technologies. We use a systems engineering approach, our engineering pedigree, and cloud technology expertise to support the design, development, and deployment of digital twins. We integrate monitoring and visualisation into our secure cloud solutions, developed to model highly complex systems.



Service Features

- Detailed and thorough asset health assessment
- Prognostic modelling
- Support to make pragmatic development decisions
- Underpinning engineering knowledge and capability
- Integration of secure real-time data
- Secure system architectures and approaches
- Proven patterns to enable rapid design and deployment
- Comprehensive requirements capture approach
- Training and documentation for handover
- Azure, AWS and Private Cloud Experience



Service Benefits

- Asset management
- Asset life optimisation
- Asset value optimisation
- Rigorous processes and experience meeting quality and security standards
- Rapid results and evaluation
- Agile development approach, embracing changing requirements
- Cross-domain experience
- Through-lifecycle management
- Systems-based approach
- Experience in modelling systems using a broad range of approaches



Detailed Service Definition

Frazer-Nash, as a systems engineering and technology company, has the right mix of deep engineering knowledge, systems design and cloud deployment capability to design, build and deploy digital twins of systems.

We can model complex systems, integrate monitoring and visualisation and deliver as a secure cloud platform.



Detailed Service Definition

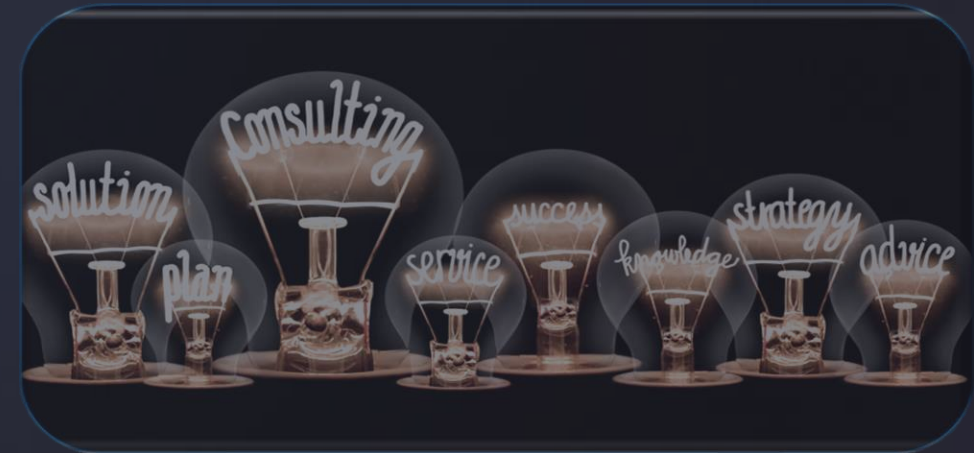
These models provide a digital representation of an asset or process. In their simplest form they visualise an asset's current condition. But we can extend the capability to forecast future asset condition and to explore operational or support strategies. Digital twins are an essential component of a modern asset management process.

Our approaches are accredited to ISO9001, ISO27001, Cyber Essentials and TickITplus to meet the demands of commercial, CNI and Defence customers. Furthermore, we are familiar with the best practices laid out by organisations such as the NCSC, NIST, OWASP ASVS etc.



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