Cyber Services

Our cyber advisory services will help you integrate your people, processes and data to ensure you capitalise on the opportunities and efficiencies offered by cloud hosting whilst minimising risk and cost.

Service Definition

Central to Cloud delivered services and capability is the integration of the people, processes and information to be used alongside the Cloud technology. At Frazer-Nash, we provide and continue to evolve a number of cloud related Cyber Services tailored to address our clients' needs across Government, Defence and commercial industries.

Service Features

- Cyber Strategic Advice and Guidance in the Cloud domain
- Cyber Systems Engineering using a tailored model-based approach
- Cyber Systems Architect - Technical architecture design, assessment and review
- Socio-technical cyber risk assessment, vulnerability investigations (CVI) and penetration testing
- Threat analysis, whole system including the threat posed by insiders
- Communications, network and information systems design and assurance
- Facilities and communications installation security and accreditation
- Data analytics and modelling to optimise decision-making and risk mitigation
- Information security and assurance for organisations and supply chains
- Multi-disciplined engineering skills and processes

Service Benefits

- Accurate and effective recommendations to support business decisions
- Reduced expenditure through using systems and models to solve problems
- Efficient design of services and business through architectural design
- Improved understanding and mitigation of cyber-related threats to your business
- Improved information security and assurance for organisations and supply chains
- Effective facilities and communications installation security and accreditation
- Better informed decisions through accurate and effective analytics and models
- Workforce empowered with transferred skills and knowledge
- Secure by Design (including physical security and protective security)
- Flexible and agile approach to information assurance
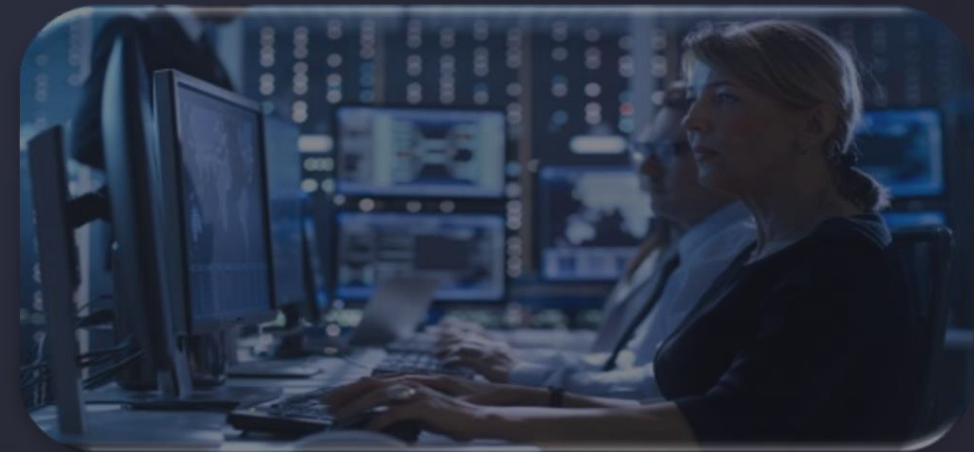
Detailed Service Definition

WHAT IS CYBER?

The term or prefix 'Cyber' is now used extensively in business, industry, government, law and policy where it is widely accepted as providing a reference to the virtual (i.e. other than physical) world created by the internet and other electronic communications systems and services. Cyber is often used as a prefix to form words relating to the existence or provision of this virtual world, such as Cyberspace, however their meaning and context can vary significantly between, and within, governments, departments, organisations and even within the Cyber industry itself.

OUR CYBER OFFERING

At Frazer-Nash, we believe that Cyberspace can be viewed as a global domain within the information environment where entities interact. As such it may be considered to consist of the virtual environment formed from, or enabled by, information services (including Cloud services), and the interdependent networks of information technology infrastructures on which these services run, including the Internet, telecommunications networks, computer systems, and embedded processors and controllers. We consider the demands of operating within cyberspace holistically, not just from technology perspective, but also considering people and processes.

Detailed Service Definition

At Frazer-Nash we recognise the need to understand our client's view of the different aspects of Cyber and, with our extensive service offerings within this domain, are able to tailor our services to meet their individual, and often unique, requirements.

The range of services we can include in this domain are extensive and include:

Communications / Network Design

Planning and designing complex information and communications networks, covering all technologies across both private and public sector networks, accommodating traffic intensity, load and devolving capability to the Cloud

Data Analytics / Modelling

Data analytics is the science of examining raw data with the purpose of drawing conclusions about that information. Data modelling allows the overall analysis to be presented in a format that is meaningful to everybody. Using both aspects across all areas of the business can enhanced decision-making and rapidly provide insight to inform business decisions, proactively implement cyber security controls to stay within risk appetite or identify emerging trends or issues

Facilities/Communications Installation Security/IAM

To provide consultancy for the protection of data and assets within building or rooms and associated support infrastructure. Understanding installation, Electro-Magnetic Capability (EMC), Information & Communications Technology (ICT), power, through to electronic security, Wi-Fi, Bluetooth Low Energy (BLE) and control structure and procedures. Drawing on Site Coordinating Installation Authority (SCIDA) and TEMPEST Control Officer (TCO) expertise

Information Security/Assurance

INFOSEC consultants provide best practice advice and documentation for resilient systems to provide mitigations for any compromises in the confidentiality, integrity and availability for information systems. This can also encompass the wider-supply chain audit or assessments covering cyber security standards and integrity expected across and the resilience of the supply chain to different cyber risks

Detailed Service Definition

FRAZER-NASH
CONSULTANCY
A KBR COMPANY

Cyber Strategic Advice

Providing advice across all levels of an organisation supporting strategy, vision and policies on the threats to data and assets and how to protect them from cyber-attacks: considering People, Processes, Information, Technology and Facilities

Cyber Systems Engineering

This is a robust approach to the design, creation and operation of information systems. This consists of the identification and qualification of user needs and requirements, creation of alternative system design concepts, design trades, selection and implementation of the best design, verification that the design is properly built and integrated and post implementation assessment of how well the system meets (or met) the user needs. This also includes the principles of Secure by Design to ensure systems are built securely and sustainably for the expected life of the system and in accordance with the desire risk appetite

Cyber Systems Architect

This provides the knowledge and skills across the development and acquisition lifecycles to provide environments which require high levels of information security. This covers the principles of information protection and the role application technology has in meeting the goal of information protection, supporting the build and design of architectures to manage risks and the operation and management of developed systems. A key consideration in developing a Cyber Systems is the devolving of capability to a services based architecture of which the Cloud is a key component. This can include the design or development of a wider-business Target Operating Model to incorporate the cyber resilience , which alongside technology changes can identify wider-changes needed like training, develop and organisational restructuring and policy changes to achieve business outcomes

Cyber Vulnerability Investigation/Analysis

This provides a detailed understanding of an organisation's cyber domain, reducing the likelihood and impact of potential threats, increasing an organisation's cyber awareness, providing cyber security advice and advising on potential architectures including hosting capability in the Cloud. This may include undertaking an audit for an organisation against a defined threat. This could lead to a detailed assessment where Human Factors, Facilities, Information Security (INFOSEC), Penetration (PEN) Testing, and wider Subject Matter Expert (SME) support is required

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.
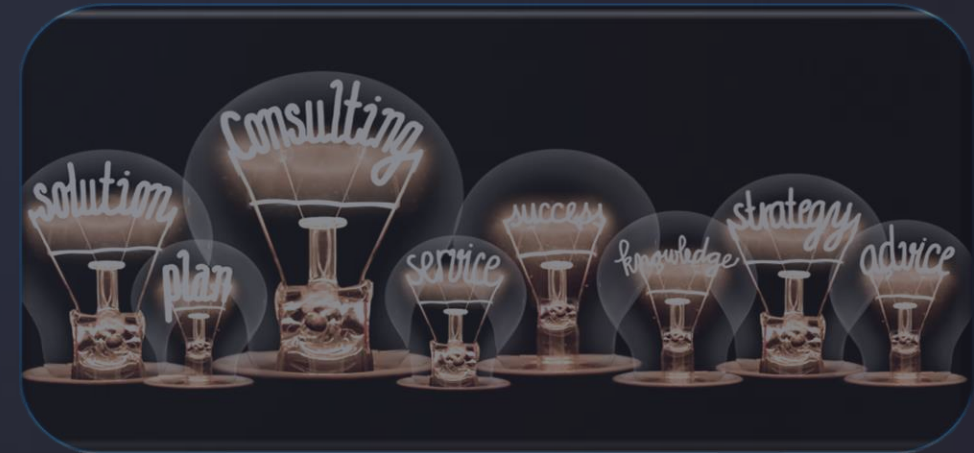
Our Commitment to Quality

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