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RAPID | AGILE | DATA & DIGITAL | TRANSFORMATION

INTRODUCTION TO AMBER LABS

SME Digital Transformation Consultancy - Amber Labs are a specialist consultancy helping Public Sector deliver technology change at a pace

Robust and Transparent Delivery & Governance - our processes align to the Service Manual and Technology Code of Practice

Rapid Consultant Deployment Framework - our deployment framework ensures we provide value in weeks rather than months

Diverse Presence & Capability - we have 100+ Consultants deployed across a range of Government departments, with over 80% of our staff living outside of London

CLIENTS	TECHNOLOGY	GOVERNMENT ALIGNMENT

Home Office
NetworkRail
Department for Work & Pensions
BAE SYSTEMS
Department for Environment Food & Rural Affairs
Sage

Azure
kubernetes
databricks
aws
snowflake
APACHE Spark

Government Digital Service — *Our work follows Government Service Standards*

CYBER ESSENTIALS PLUS — *Cyber Essentials Plus Certified*

100% of staff are BPSS & majority Security Cleared

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OUR CAPABILITIES

DATA ENGINEERING	AI & ANALYTICS	CLOUD ENGINEERING	DIGITAL TRANSFORMATION	DELIVERY
Data Quality	Business Intelligence	DevOps	Front End Development	Testing
Data Architecture	Generative AI	Cloud Provisioning	Back End Development	Business Analysis
Data Governance	Data Mining	Cloud Security	Full Stack Development	PMO
Data Integration	RPA	Deployment Automation	Enterprise Architecture	Resource and Budget Management
MDM	Predictive Analytics	Cloud Monitoring	UI/UX Design	Agile/Scrum Delivery
Data Lake & Warehouse	Machine Learning	Cloud Architecture	Solution Architecture	
	Data Science		Business Architecture	
			Software Engineering	

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DEVSECOPS ENGINEERING

SERVICE DEFINITION

DEVSECOPS ENGINEERING

At Amber labs we work to understand and address your business needs, leveraging our knowledge and technical expertise across Cloud, Data and Digital to delivery business transformation.

The DevSecOps Engineering Service provides a full project delivery of Automation Pipeline development & deployment, itself delivered via code. The implementation of CICD functionality enables blue/green/canary release patterns with rapid iterative and safe deployments.

SERVICE FEATURES

- DevSecOps Service delivered to meet specific business objectives.

- Automated code testing, integration, deployment and rollback.

- Continuous Integration, Continuous Deployment/Deployment.

- Binary & Code security scanning.

- Automated CIS/NCSC/etc. OS security hardening.

- Small batch-work focus - faster iterations of deployment.

- Continuous identification of constraints to improve flow.

- On-success code promotion.

- Automated rollback upon error detection.

- Blue/Green or Canary deployments.

SERVICE BENEFITS

- Reduced operational costs.

- Controlled platform expenditure.

- Secure, reusable and consistent cloud deployment using CICD.

- Automated code & binary file scanning.

- Improve cloud security posture.

- Compute capabilities automatically governed by policy to avoid mis-use/right-size deployment.

- Removing impediments in the Software Development Lifecycle (SDLC).

- Loosely coupled architectures to enable safe continuous integration.

- Psychological safety= Improved innovation.

- Agile-based approach delivery focusing on delivering value.

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SERVICE DELIVERY

DELIVERY OVERVIEW

We firmly believe that matching the right delivery methodology to your project is essential for long term success. A collaborative assessment of your current delivery approaches, the nature of the specific project itself, and assessments of the delivery challenges and risks will feed into our recommendation of an optimal delivery approach. Once agreed, Amber Labs would then allocate the right delivery personnel from a pool of Delivery Managers, Scrum Masters and PMO professionals to ensure your project is set up and executed successfully. During project execution, Amber Labs will wrap its own internal project control processes around the delivery, to provide a continuous critical assessment of the state of the project and its delivery. Once established, and regardless of delivery approach, our DevSecOps Engineering Service will progress through a number of typical delivery phases as defined in the following sections. All of our services are designed to be flexible such that either all or a partial set of the defined services can be provided.

PLANNING & COSTS

Our Engineers will use a range of Amber Labs estimating tools and capabilities to develop estimates for changes and work defined in the Discovery Phase. Estimates will be rolled up in order to provide an overall Estimate for the Delivery. Depending on the preferred delivery methodology, our delivery leads will provide an Implementation proposal which will include either a throughput-based costing model, or a scope-based costing model, along with required team structures, project costs, and a view of key risks and assumptions.
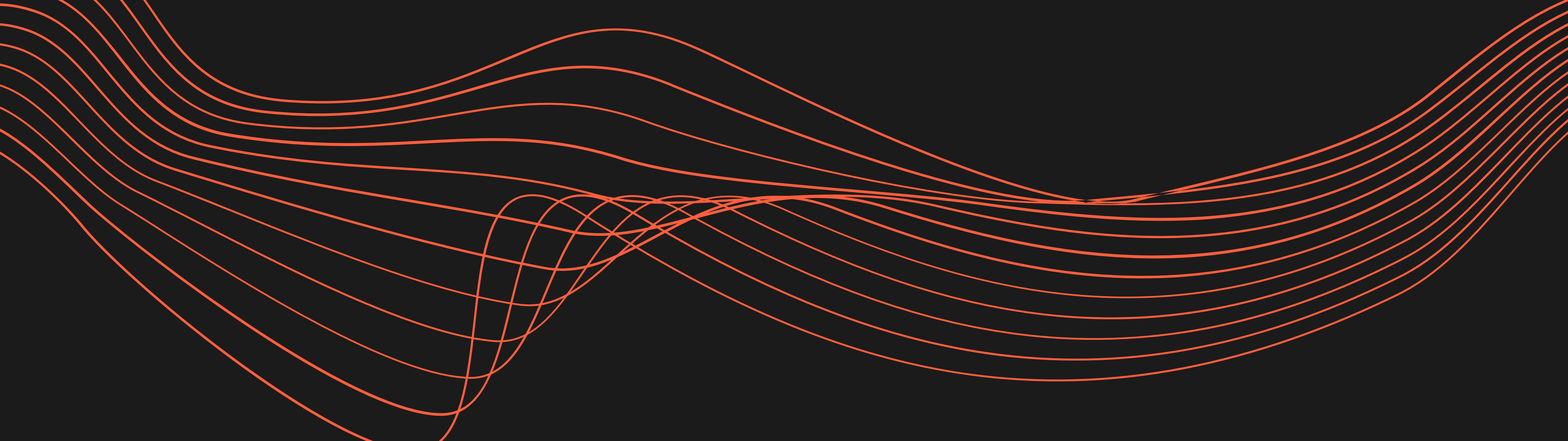
ONGOING SUPPORT & MAINTENANCE

Amber Labs offer a comprehensive Support and Maintenance package for all Applications developed through our DevSecOps Engineering Service. Details of our Support Service can be located separately within G-Cloud 14.

IMPLEMENTATION

Following finalisation and acceptance of the proposed Implementation Plan and Costs, Amber Labs Delivery Leads will set up the Delivery processes and mobilise the appropriate delivery resources. We will then implement all phases of the Software Delivery Life Cycle including Design, Development, Testing, Deployment and Transition to Support, overlaying the appropriate delivery methodology, such as Prince II, Agile Scrum etc. As part of our Transition to Support activities we can incorporate training and coaching of recipient support teams if required.

DISCOVERY WORKSHOPS

Amber Labs will host and facilitate a series of deep dive discovery sessions to assess your DevSecOps Requirements. Our technical consultants will review your infrastructure, architecture designs and platform standards. Outlining any gaps in implementation from the designs submitted, at all times referring to the well-architected frameworks & best practice recommendations.

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