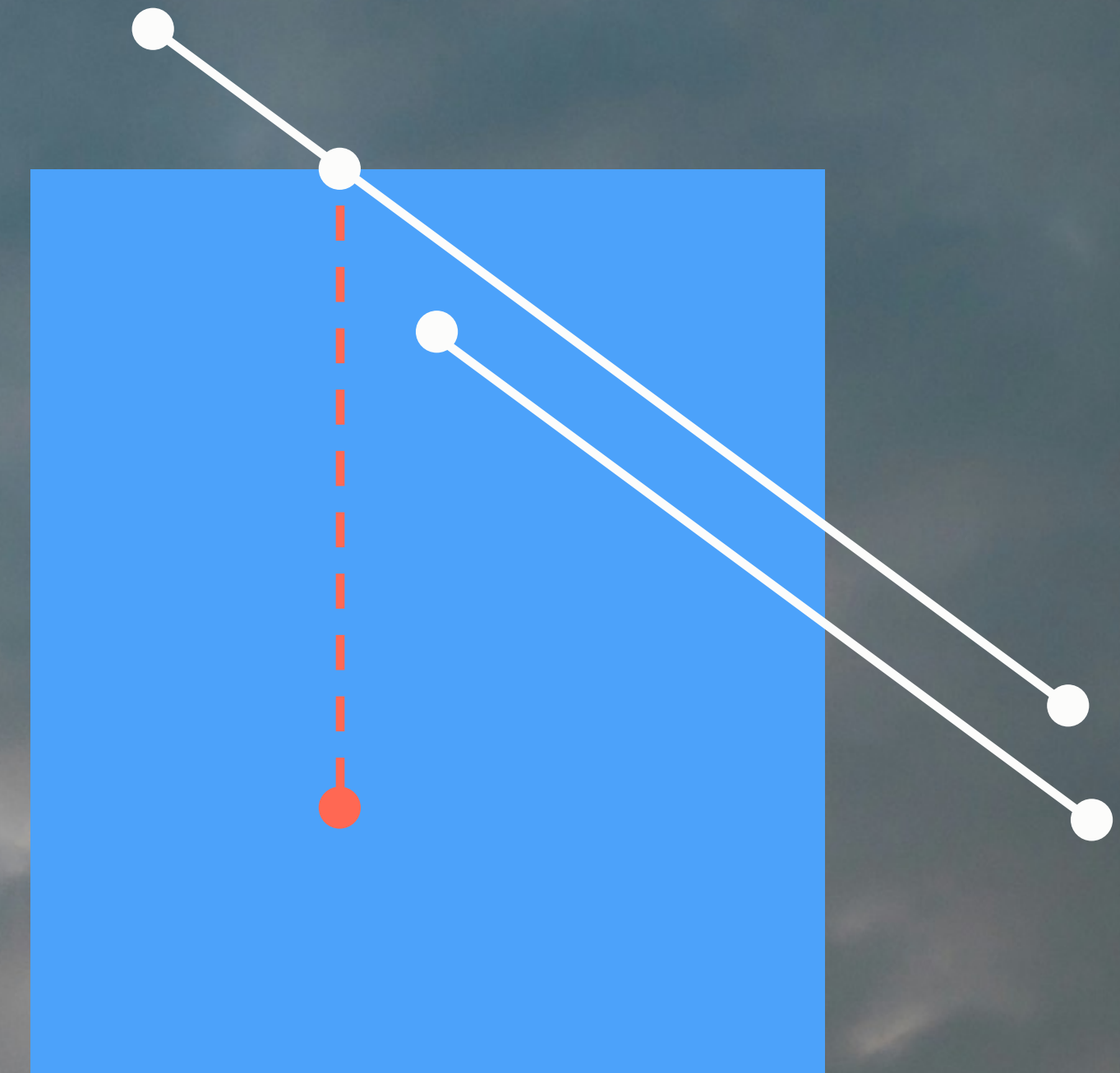




AWS Cloud Migration and Modernisation

G-Cloud 15 Services

Service overview

AWS Cloud Migration and Modernisation

This service supports organisations to migrate services to Amazon Web Services (AWS) and modernise existing systems in a controlled and low-risk way.

The focus is on helping teams move away from legacy or end-of-life technology, improve how services are built and operated on AWS, and make effective use of cloud-native capabilities. Work combines careful planning with hands-on delivery, validation, and knowledge transfer to support continuity and long-term improvement.

This service is well suited to organisations standardising on AWS or looking to modernise user-facing or operational services within an AWS environment.

Who this service is for

This service works well for organisations that:

- Use, or plan to use, AWS as their primary cloud platform
- Are migrating existing services or data into AWS
- Need to modernise legacy systems or architectures
- Want to reduce technical debt and operational risk
- Require ongoing support following migration

It is commonly used by digital, technology, and operational teams responsible for cloud platforms and services hosted on AWS.



What the service includes & excludes

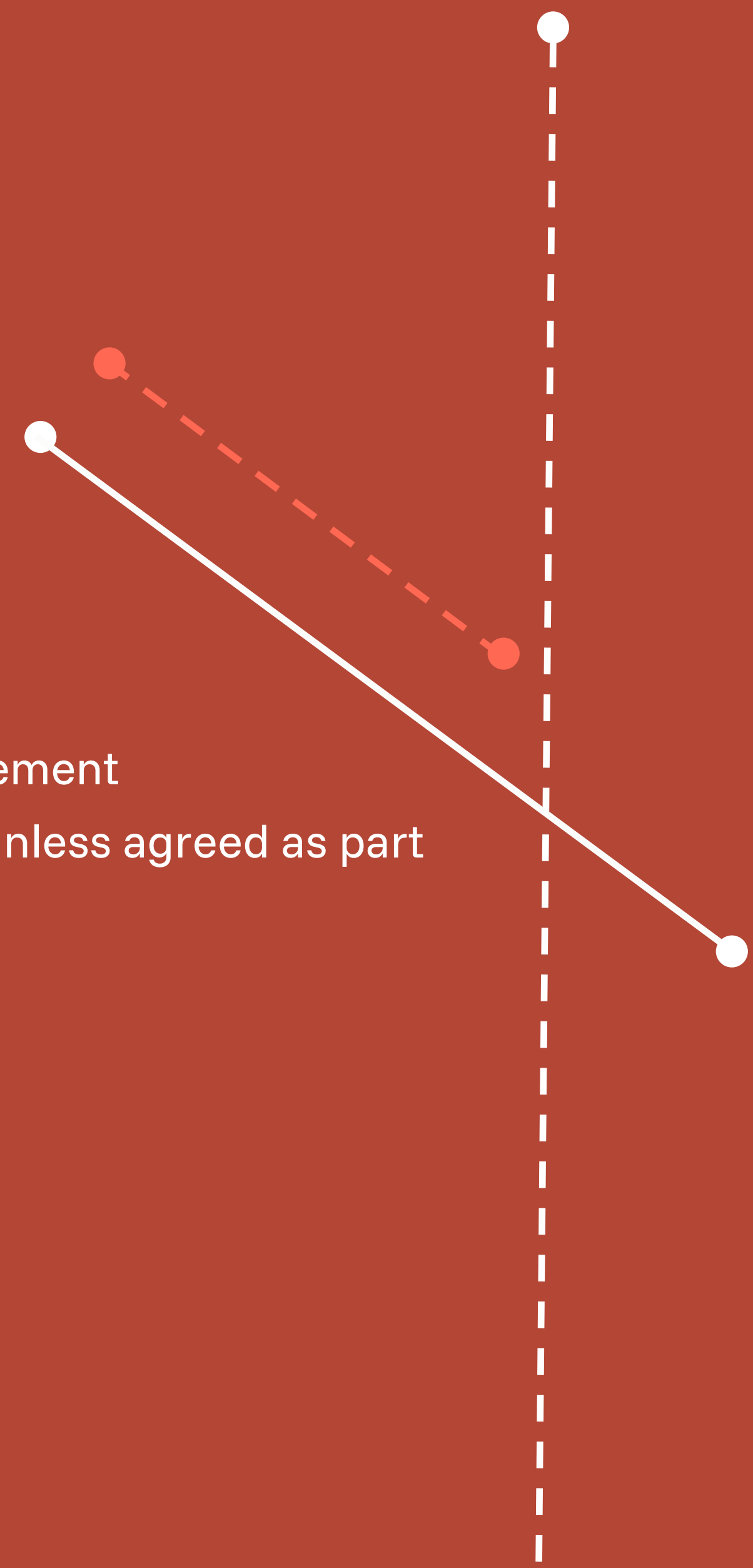
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In Scope

- Cloud migration and modernisation planning
- Secure, compliant AWS architecture and IAM
- Migration delivery and post-migration validation
- Infrastructure as Code and automation
- Cloud-native and serverless implementation
- Cost optimisation and operational improvement
- Knowledge transfer and ongoing support

Out of Scope

- Ownership of live services
- Cloud licence resale or procurement
- Business-as-usual operations unless agreed as part of the scope





Ministry of Housing,
Communities &
Local Government

Softwire

Case Study: MHCLG – Voter Registration

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Accessibility

AAA

WCAG Standard

User satisfaction

94%

in the last 30 days

User research

20k+

Letters within private beta

Registering to Vote

4m+

People supported
in 2023

Team

45+

Working with
MHCLG staff

Uptime

99.95%

Exceeded

Being able to vote in elections is one of our most fundamental democratic rights. The legitimacy of UK elections depends on everyone who is entitled to take part, being able to. The government's Register to vote service is how most people sign up.

Following a previous issue with the Register To Vote service under load, MHCLG engaged Softwire to migrate it to the cloud, whilst also taking advantage of modern technology. We designed a scalable architecture that took advantage of cloud-native features such as SQS and AWS lambda to deliver a service that met stringent non-functional requirements.

We migrated the service to AWS, and have exceeded 99.99% uptime, while delivering less than 100ms response times, and with proven load capacity far in excess of anything seen in the 2024 General Election. On top of this, by leveraging autoscaling and serverless technologies, we did this whilst also reducing hosting costs by 50%.

We provided services across the whole complex programme, to ensure success we did the following:

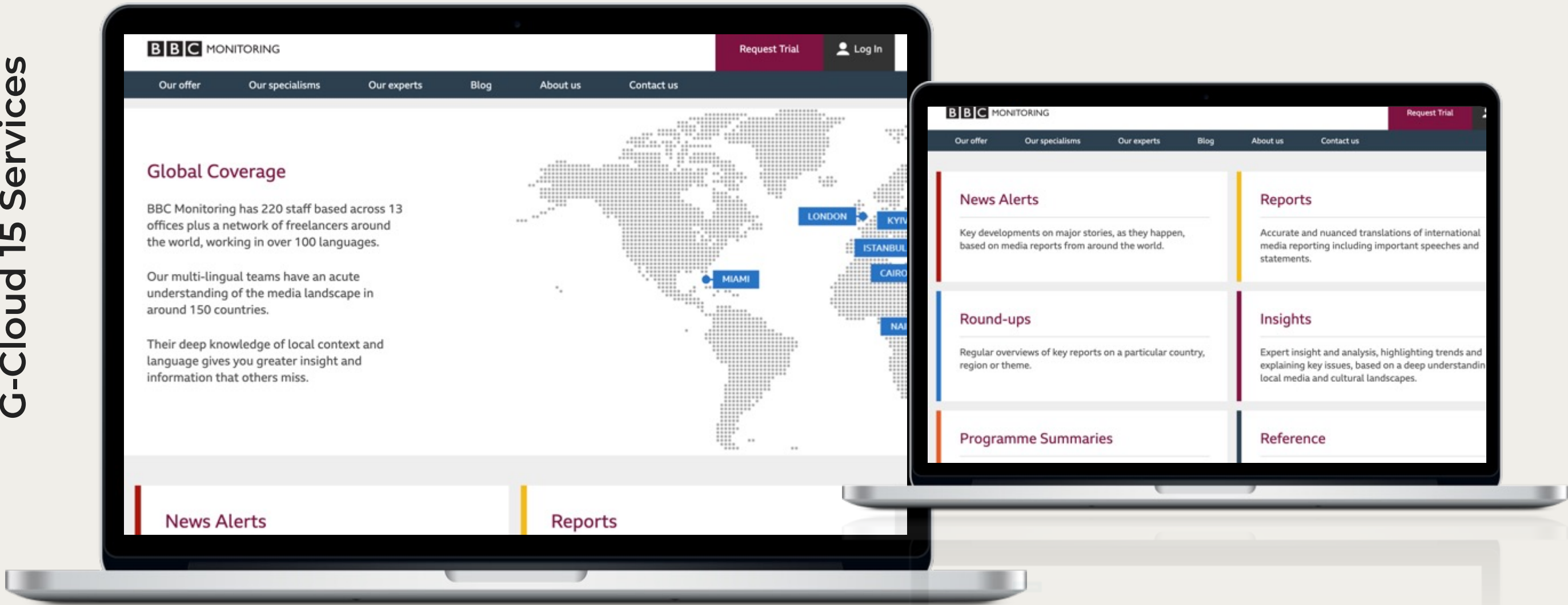
- ✓ Defined an AWS specific cloud architecture
- ✓ Leveraged our AWS partner status for well-architected reviews
- ✓ Load-tested the service far beyond traffic levels seen
- ✓ Achieved security sign-off from NCSC
- ✓ Delivered on time and under budget



Case Study: BBC

Monitoring Platform

G-Cloud 15 Services



Solutions Delivered

BBC Monitoring (BBCM) provides a real-time view on news stories from around the world, sourcing content from local media and supplementing it with expert analysis and reference material.

The BBC wanted a new portal was needed which could provide a much more effective interface for actively exploring the BBCM archive, through search and content recommendations, and on a full range of modern browsers and devices.

Softwire delivered a new AWS-based technical platform using an Elasticsearch database deployed on the AWS cloud. This provided rich search capabilities, as well as the ability to identify which users should be notified about newly published content via the percolator feature.

Results & ROI

Users were impressed with the much greater speed and responsiveness to specific search queries. The improved custom search, email notifications and multiple-source search features were also extremely popular. The new portal has enabled BBCM to showcase the quality and breadth of content they offer and to raise their profile.

The success of the new portal has been a vital part of the wider transformation programme within BBCM, and has provided a strong technical foundation for the future.

Time scales and effort

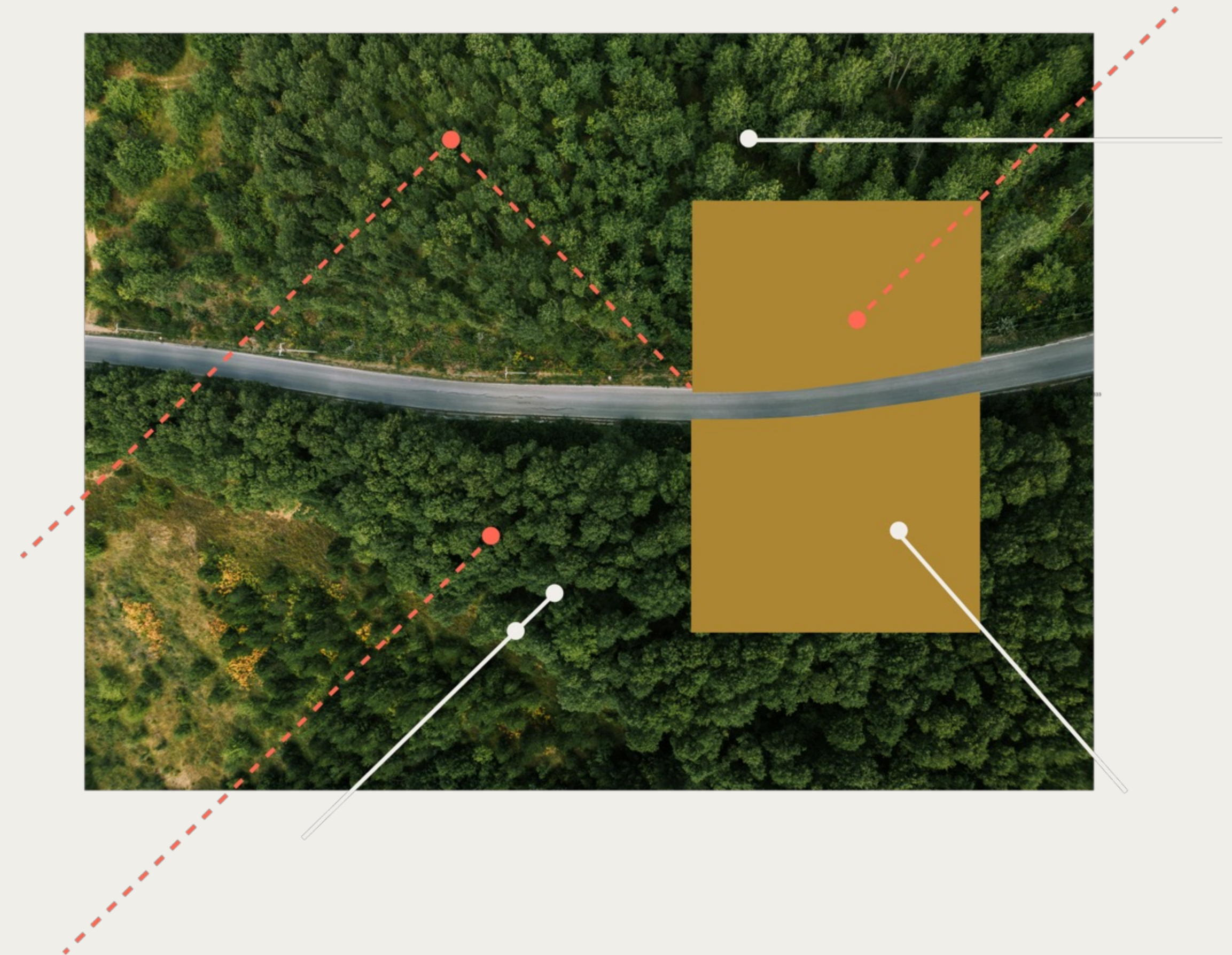
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Engagements typically run from a few weeks to several months, depending on the complexity of the existing environment, the scale of migration, and whether ongoing support is required.

The service may be delivered as:

- A short scoping or assessment phase
- A focused AWS migration or modernisation engagement
- Ongoing support following migration

Access to systems, environments, and relevant stakeholders is needed to support delivery.



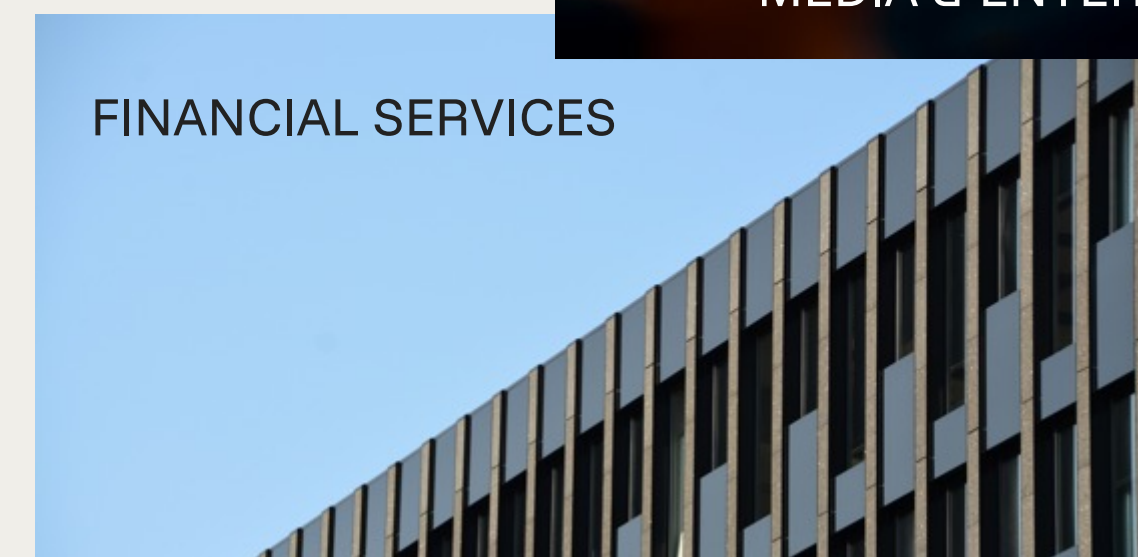
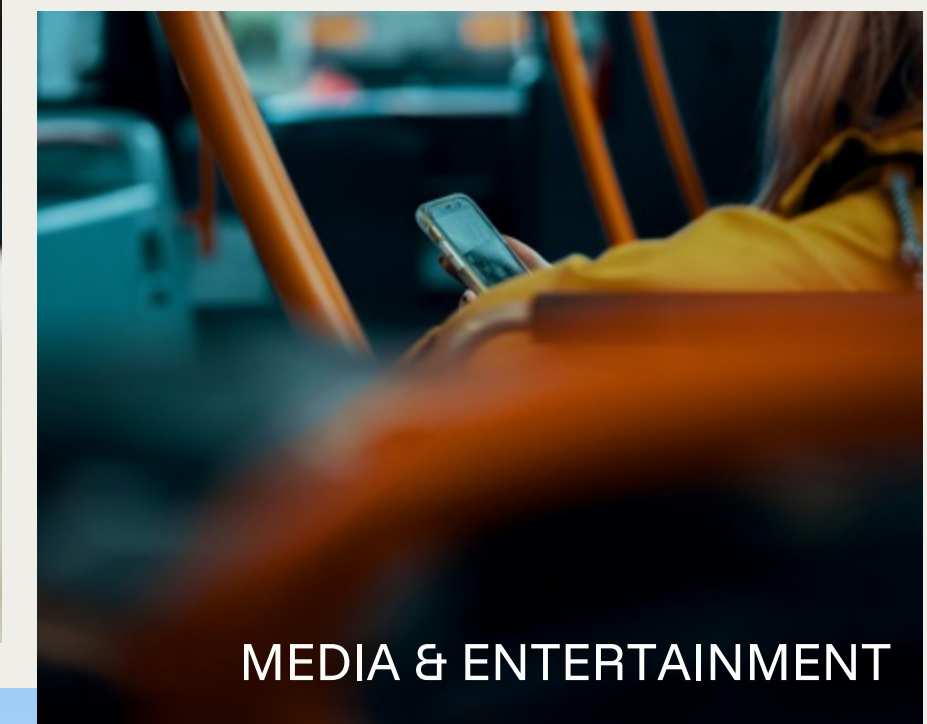
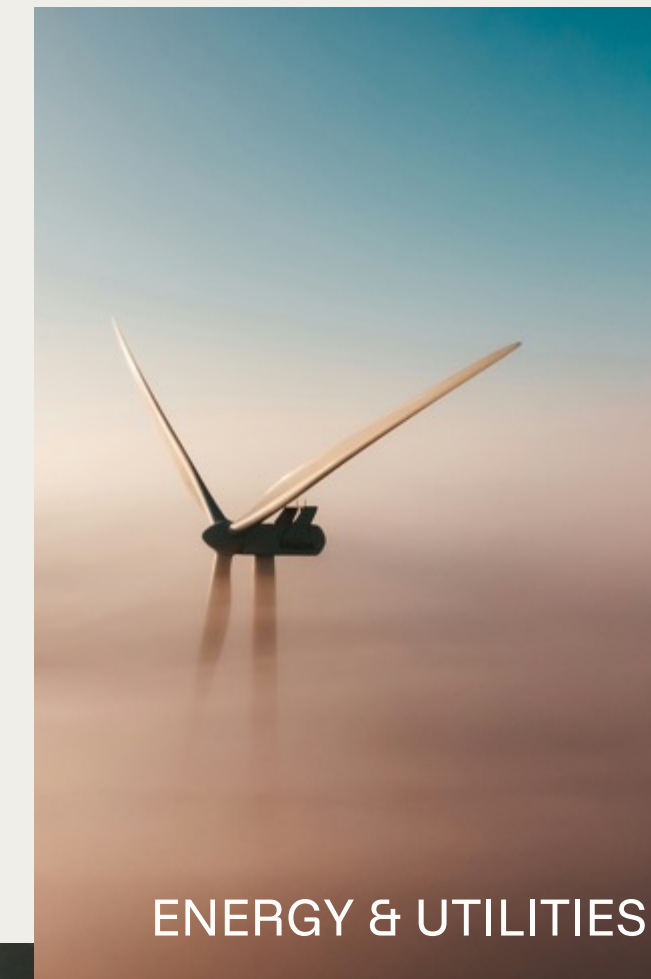
About Softwire

Softwire is a digital and technology consultancy that works with organisations to design, build, and improve digital services.

We support teams across the public sector with work ranging from discovery and delivery through to data, cloud, and AI-enabled services. Our focus is on solving real problems, working collaboratively, and delivering work that stands up to scrutiny.

We take a pragmatic approach to AI, helping organisations explore where it can add value, put appropriate controls in place, and integrate it safely into existing services and ways of working.

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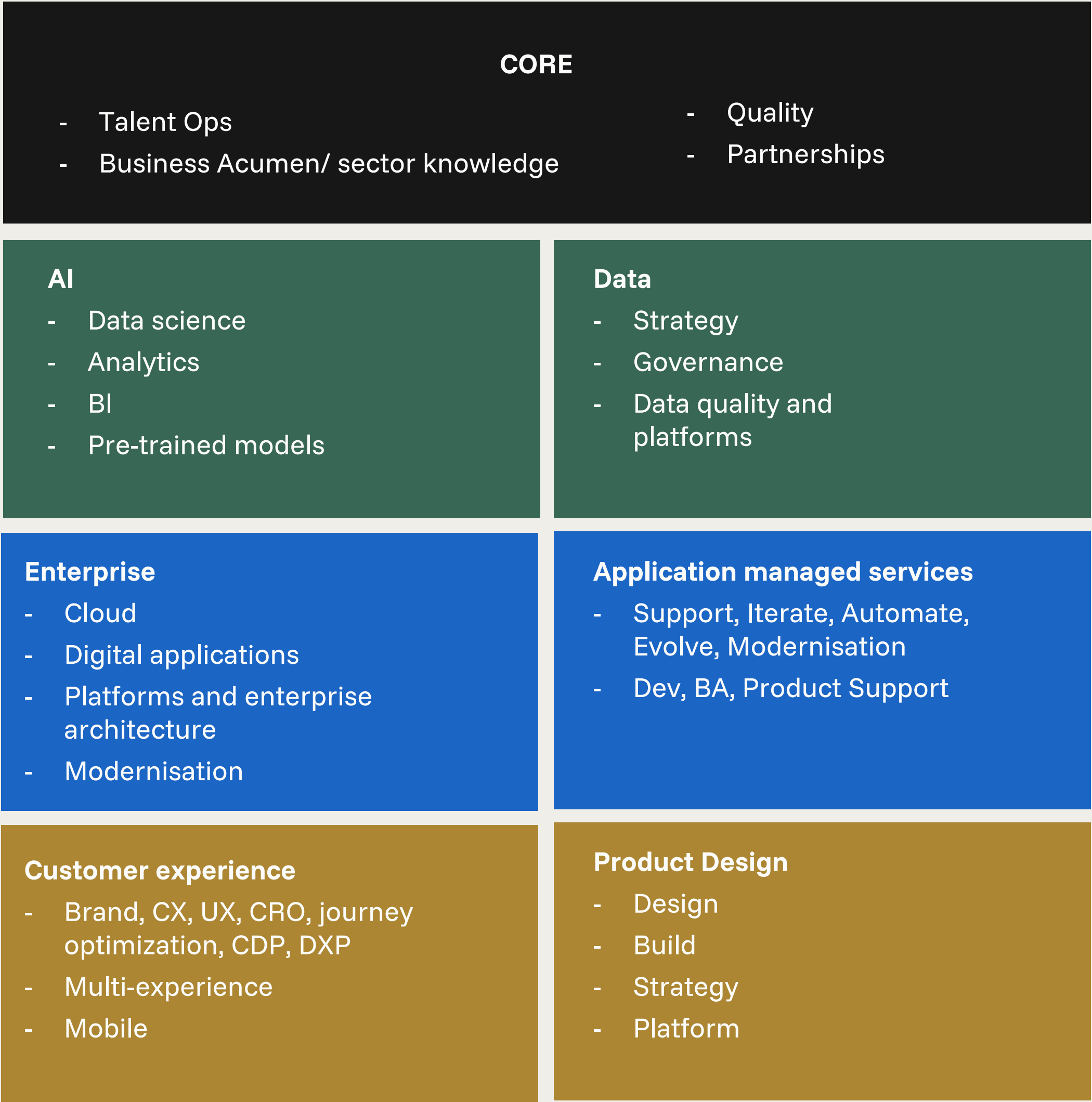


Our Capabilities

We have expertise across multiple sectors

Our multi-skilled cross-functional teams offer full-lifecycle management and ownership of outcomes across various domains, using a range of specialisms.

-  Enablers
-  Brand, Differentiated Experience, Engagement Revenue
-  Optimisation, Modernisation, Continuous improvement



Working in the the public sector

We have experience delivering work across central government, arm's length bodies, and the wider public sector.

Our teams are used to working within public sector constraints, including governance, assurance, procurement, and delivery standards. This includes supporting the responsible use of data and AI, with appropriate oversight, transparency, and risk management.

We work closely with policy, operational, and delivery teams, adapting our approach to fit existing processes, capability, and levels of confidence with emerging technologies.



Thank you for reading

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