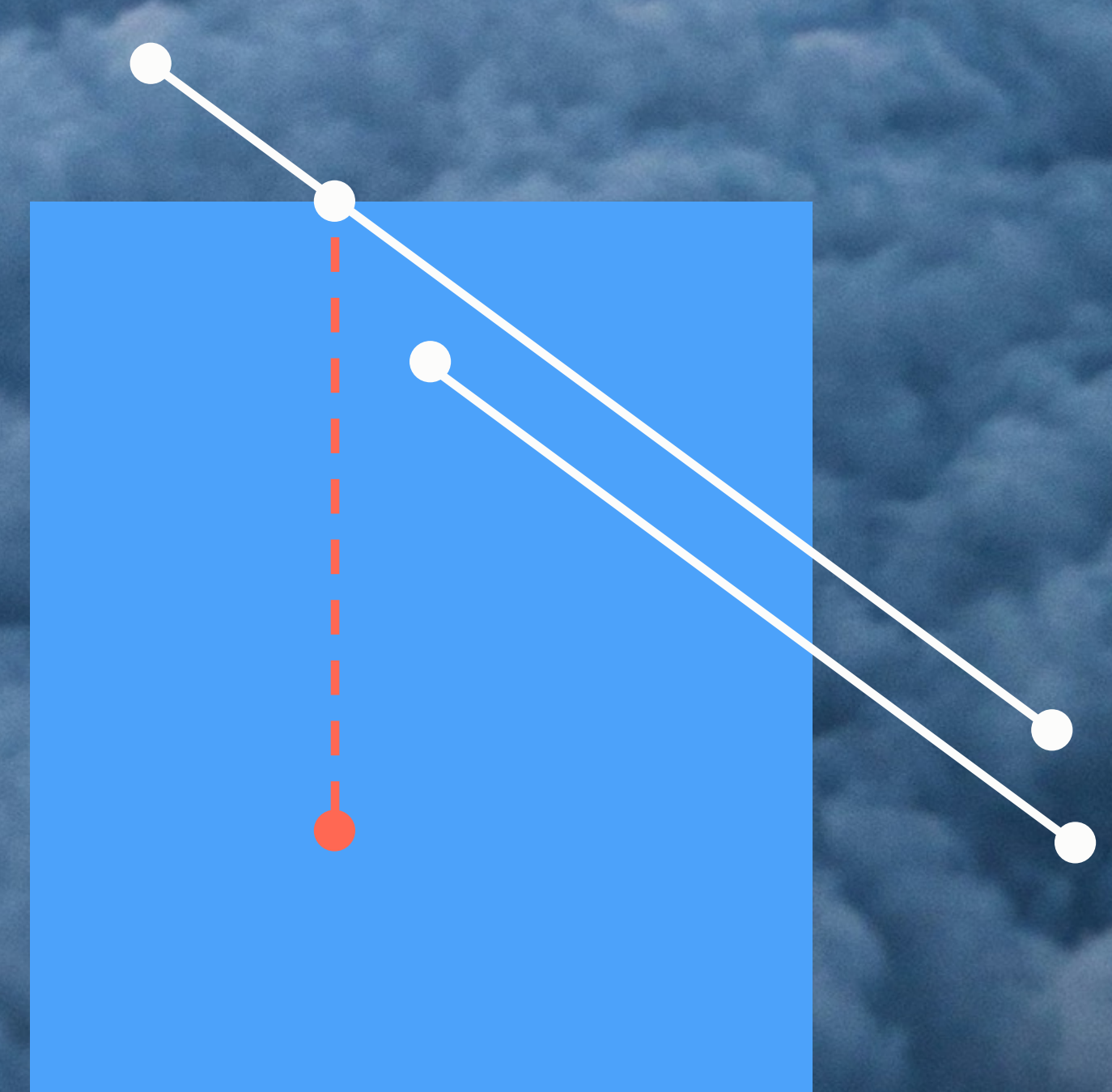


Softwire



Cloud Data Engineering

G-Cloud 15 Services

Service overview

Cloud Data Engineering

This service helps organisations design, build, and improve cloud-based data platforms that support reporting, insight, and decision making.

The focus is on creating reliable, secure data foundations that are practical to operate and genuinely useful to the people who rely on them. Work typically spans data architecture, pipelines, storage, and visualisation, alongside governance, security, and capability building.

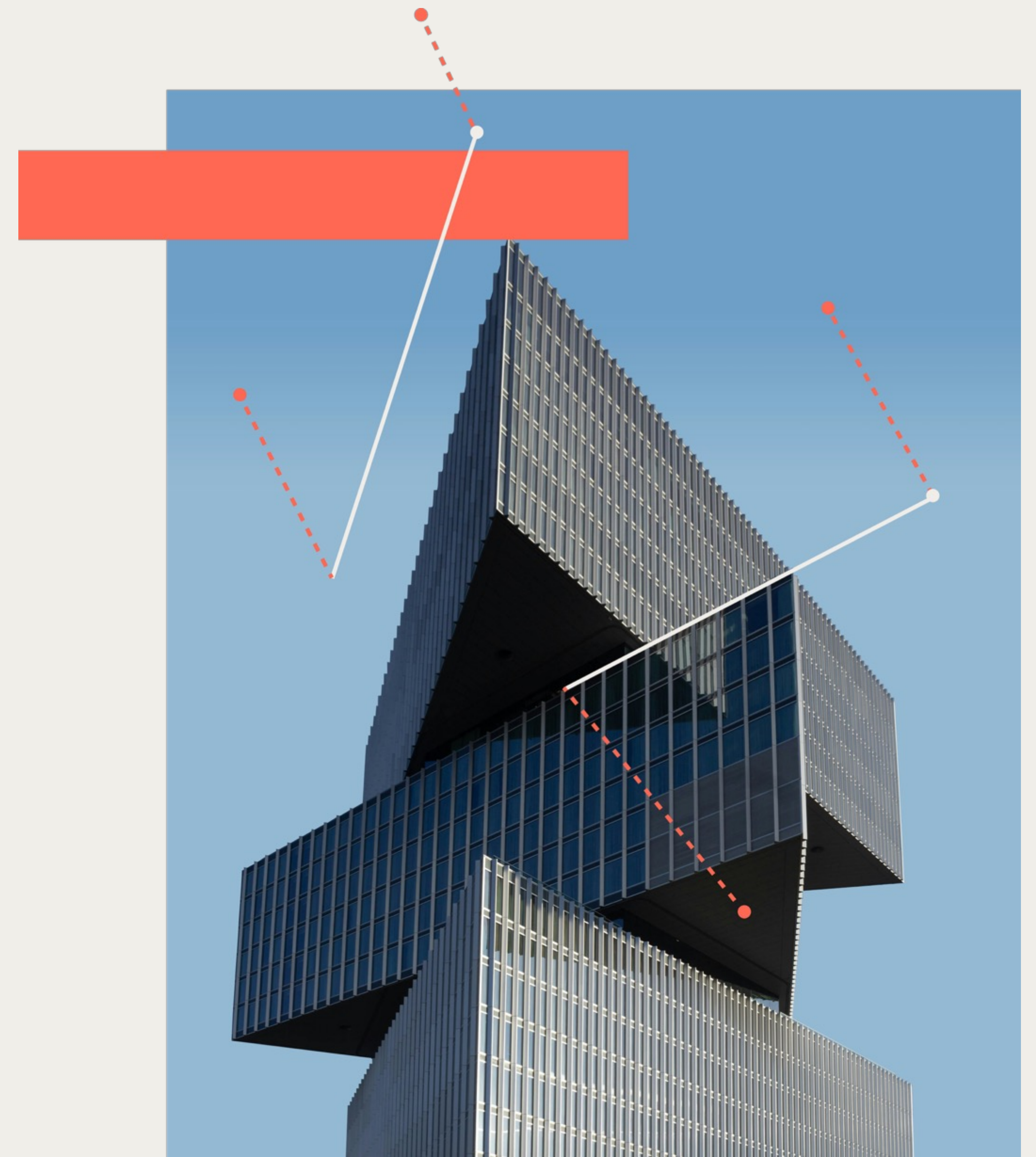
This service is well suited to organisations looking to modernise how data is collected, managed, and used across cloud environments.

Who this service is for

This service works well for organisations that:

- Are building or improving cloud-based data platforms
- Need better visibility, reporting, or analytics
- Are migrating data from legacy systems
- Want to improve data quality, governance, or security
- Need support turning data into insight for decision making

It is commonly used by data, digital, and operational teams responsible for analytics, reporting, and data-driven services.



What the service includes & excludes

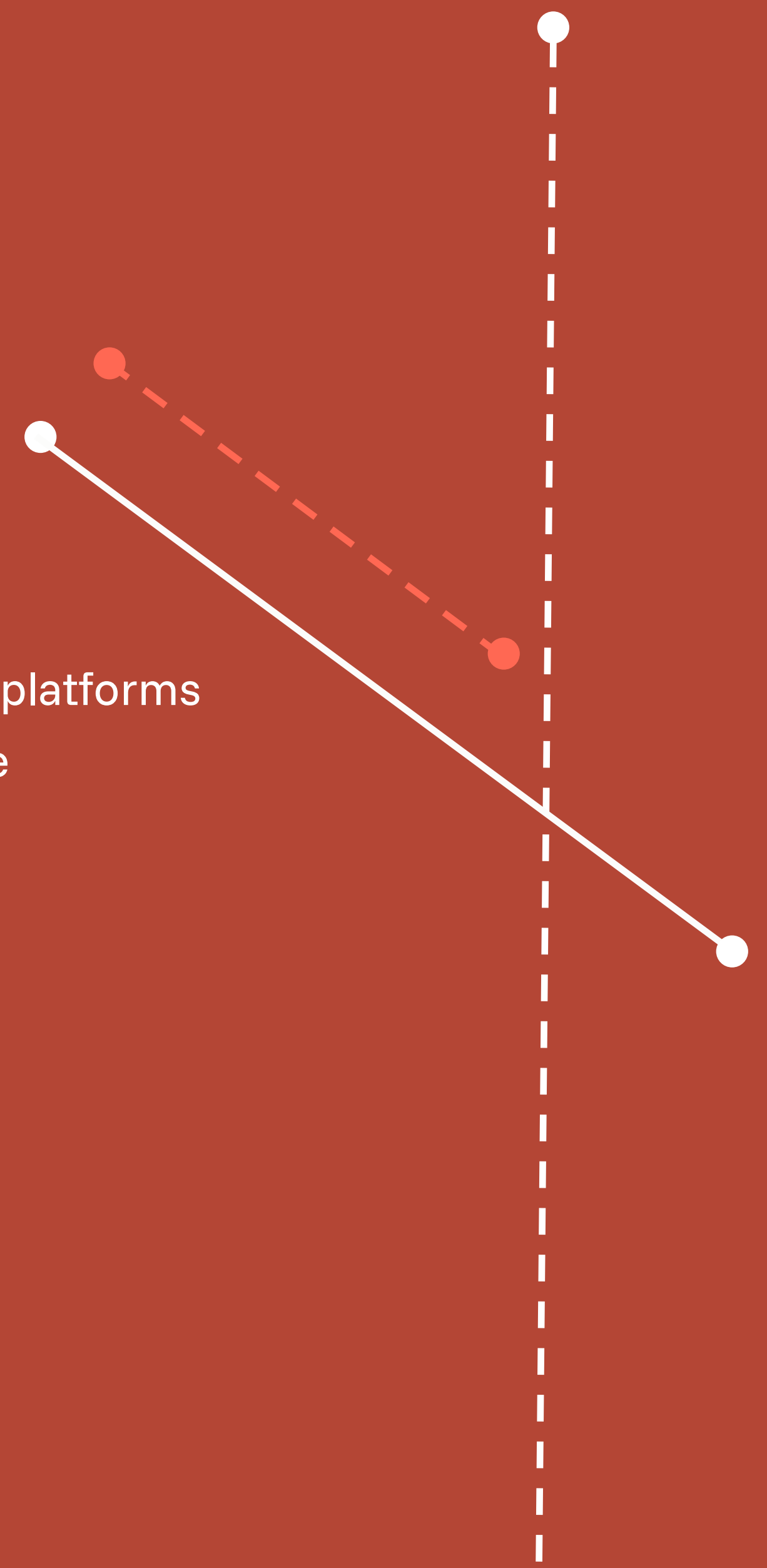
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In Scope

- Assessment and planning, including determining requirements and data needs
- Secure data architecture design and best practice guidance
- Data migration and validation
- Data management, including metadata and access controls
- Data storage design, including data lakes and warehouses
- Data pipeline development, including ETL solutions
- Data visualisation and reporting tool configuration
- Data maturity assessment and improvement
- Training, documentation, and knowledge transfer
- Ongoing support and service improvement

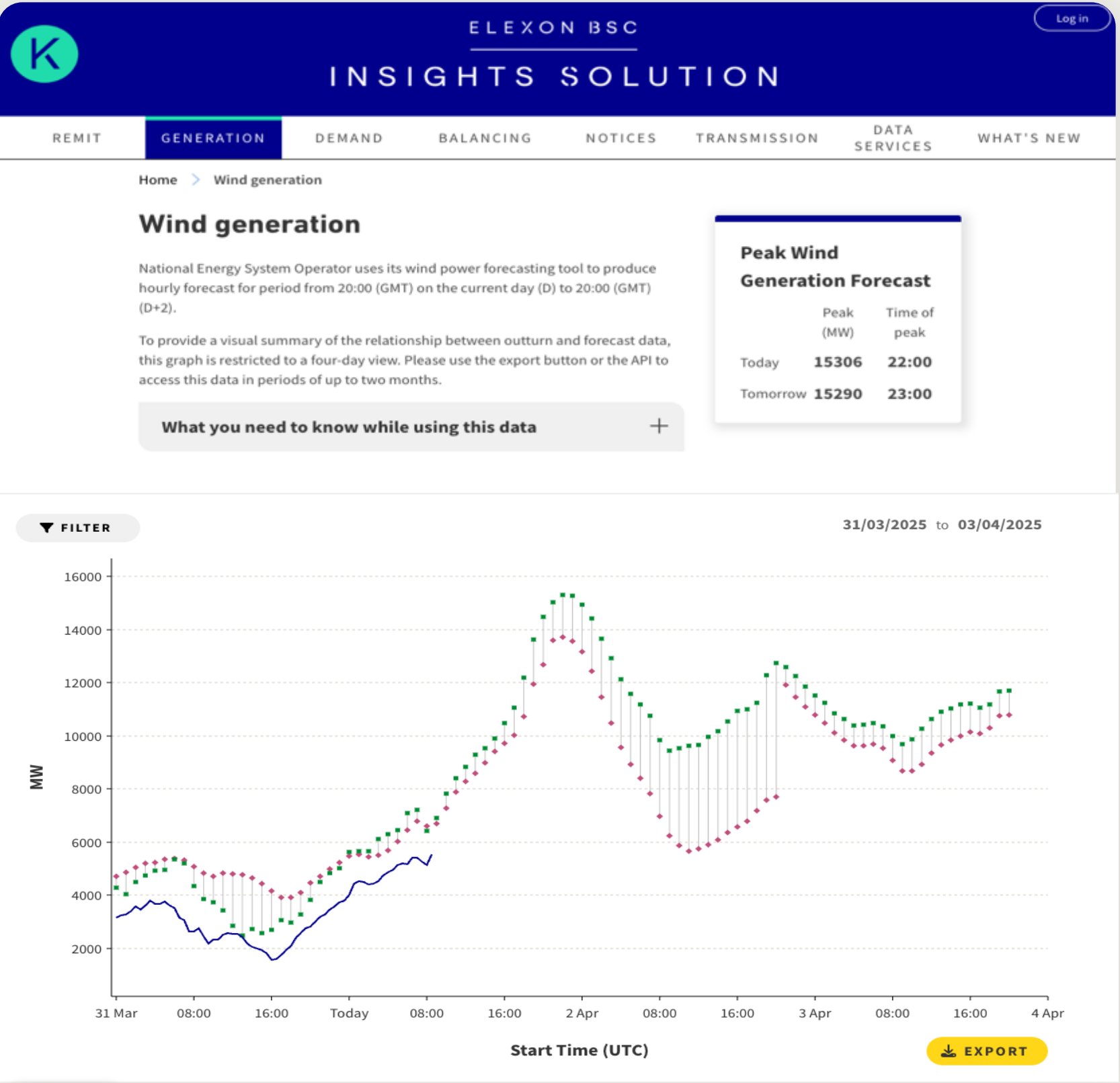
Out of Scope

- Ownership of live data platforms
- Software licence resale



ELEXON

Case Study: Elexon - Cloud Data Platform Modernisation



Solutions Delivered

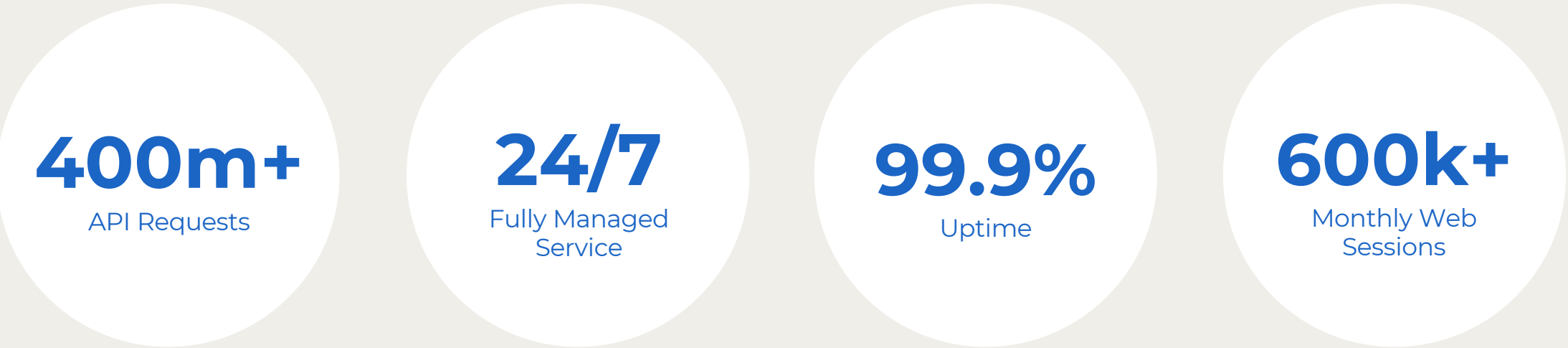
Elexon is a not-for-profit that plays a critical role in the UK energy market. They publish detailed electricity market data to industry and the public. Their previous solution was expensive and hard to change. We built the public-facing cloud data platform that sits at the heart of the GB electricity market and helped the client adopt agile working practices.

We established an agile culture and ways of working that enabled Elexon to support delivery. We worked under intense scrutiny and succeeded in winning over business and tech stakeholders with a new approach enabling agility across more than just IT .

We designed and provisioned greenfield Azure infrastructure, meeting stringent cybersecurity standards, whilst our data engineers built near-pipelines bringing actionable data to market quicker than ever before. Alongside this, our team designed and built modern web pages and greatly enhanced APIs for data discovery and access.

Results & ROI

We delivered cultural transformation at Elexon enabling them to deliver projects faster and to a higher standard. Furthermore, we delivered near real-time actionable data to the electricity market, a first of its kind.





Case Study: Moorfields Eye Hospital – Cloud Data Platform

Solutions delivered

Moorfields Eye Hospital wanted to unlock millions of ophthalmic images to support world-leading research, while meeting strict information governance requirements. With around 40 imaging systems producing data in different proprietary formats, creating usable datasets was slow and manual, often taking up to nine months.

We designed and built a centralised, cloud-based image platform. New scans are automatically ingested, standardised and enriched with metadata stored in BigQuery, making them easy to query and suitable for AI use. Researchers can request highly specific, de-identified datasets using custom SQL, with processing time significantly reduced through Apache Beam.

We worked closely with Moorfields' Information Governance team to embed robust controls for working with patient data.

Results & ROI

The platform allows researchers to identify study cohorts quickly and receive tailored datasets in days rather than months. It now catalogues over 20 million images, automatically ingesting around 50,000 new scans each week.

Data snapshot

Overview



15 datasets
platinum rated; plus
bespoke dataset options



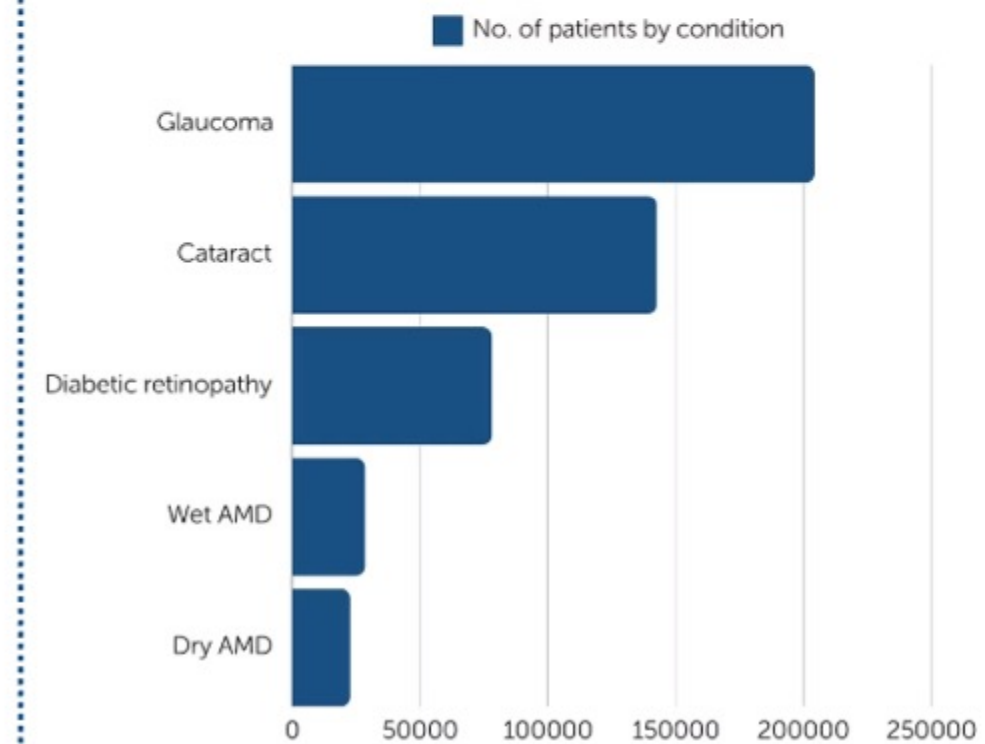
35 million+
eye images



2 million +
patients

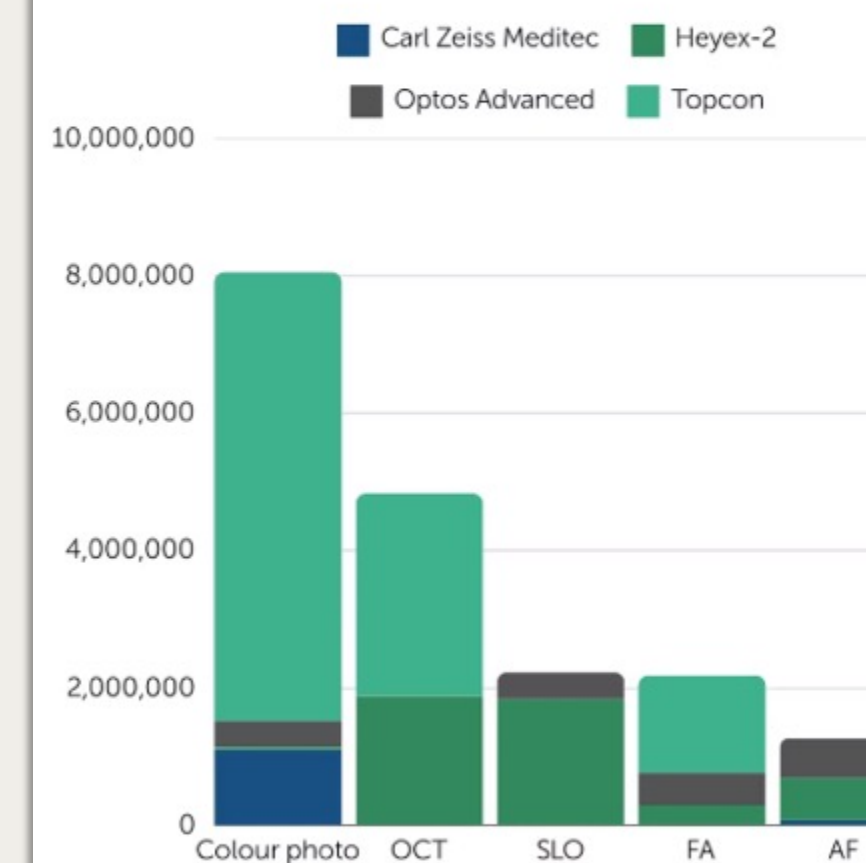
Conditions

Our data comes from the largest tertiary eye care centres in the UK, spanning many conditions and co-morbidities.



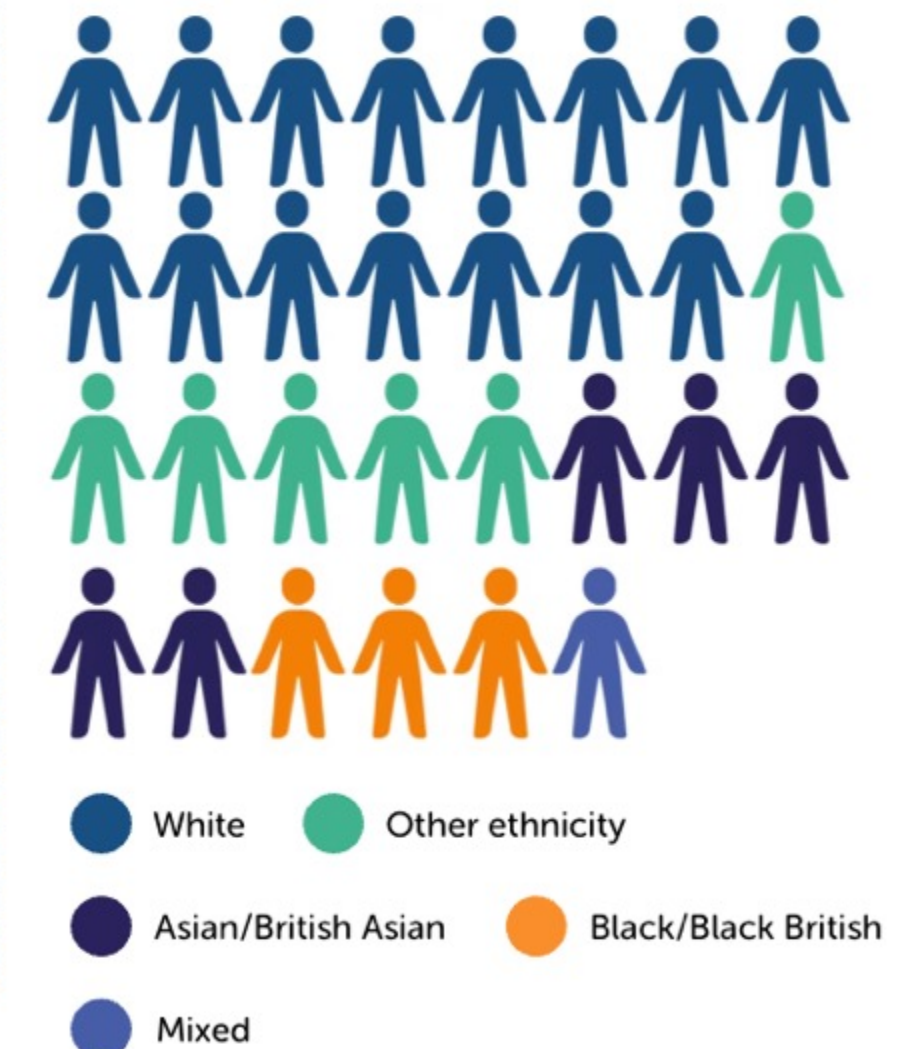
Modality

Over 1,000 images are collected everyday through routine patient visits, and added to our data pipeline.



Diversity

More than 2.1 million patients reflecting the diversity of London and Birmingham.



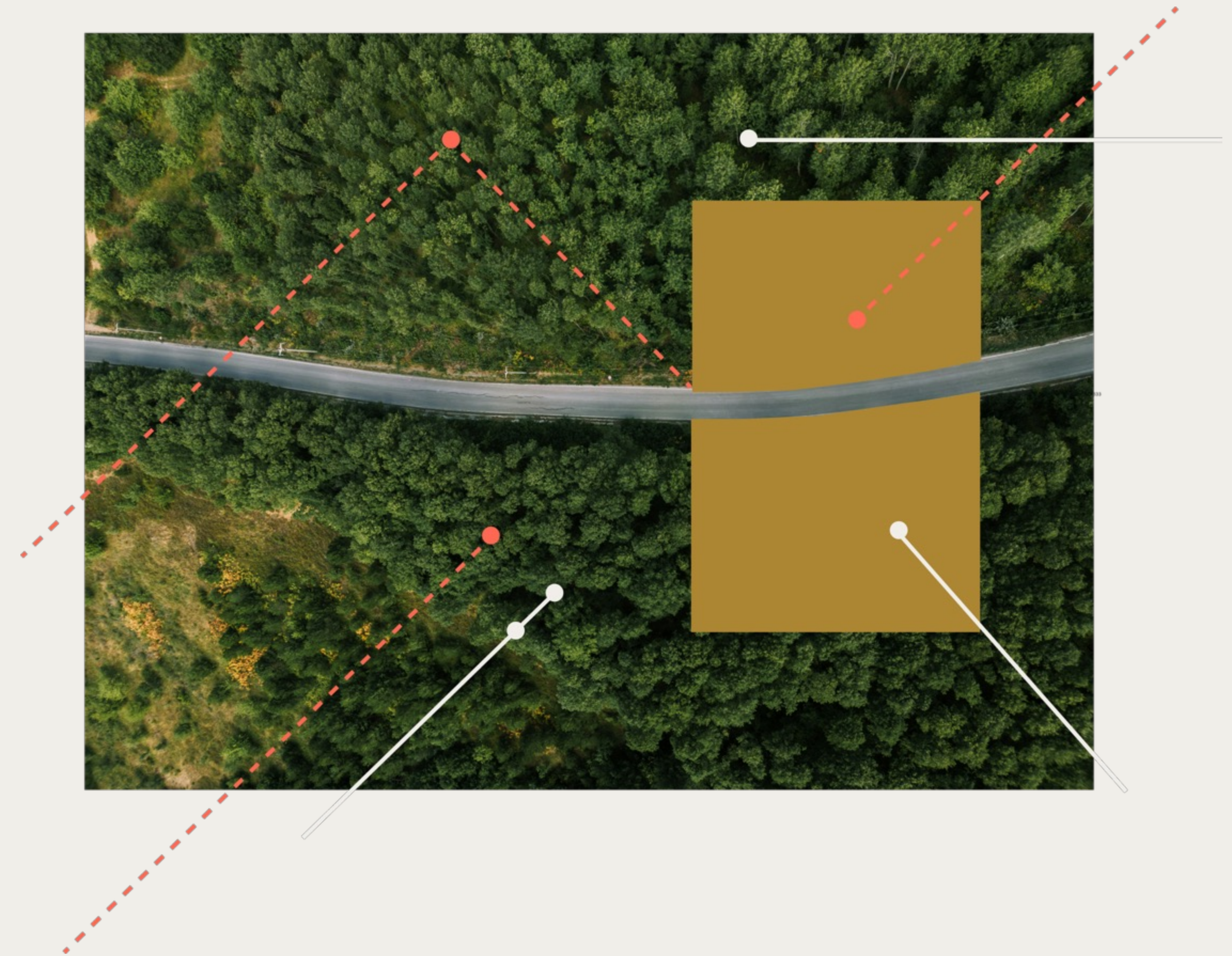
Time scales and effort

Engagements typically run from a few weeks to several months, depending on the complexity of the data landscape, volume of data, and level of transformation required.

The service may be delivered as:

- A short assessment or data maturity review
- A focused build or migration phase
- Ongoing support and improvement

Access to data sources, environments, and relevant stakeholders is required to support delivery.



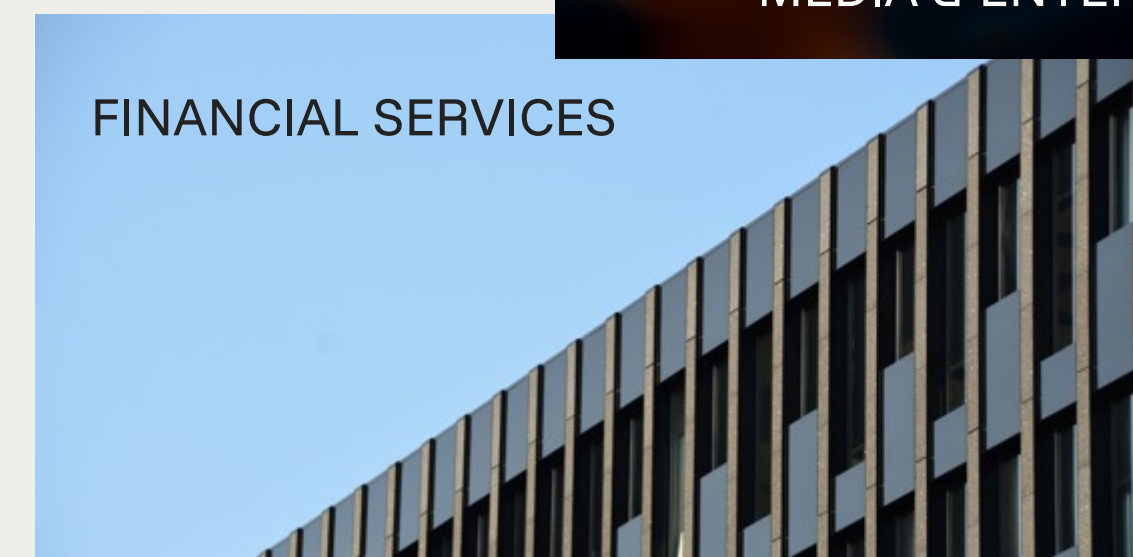
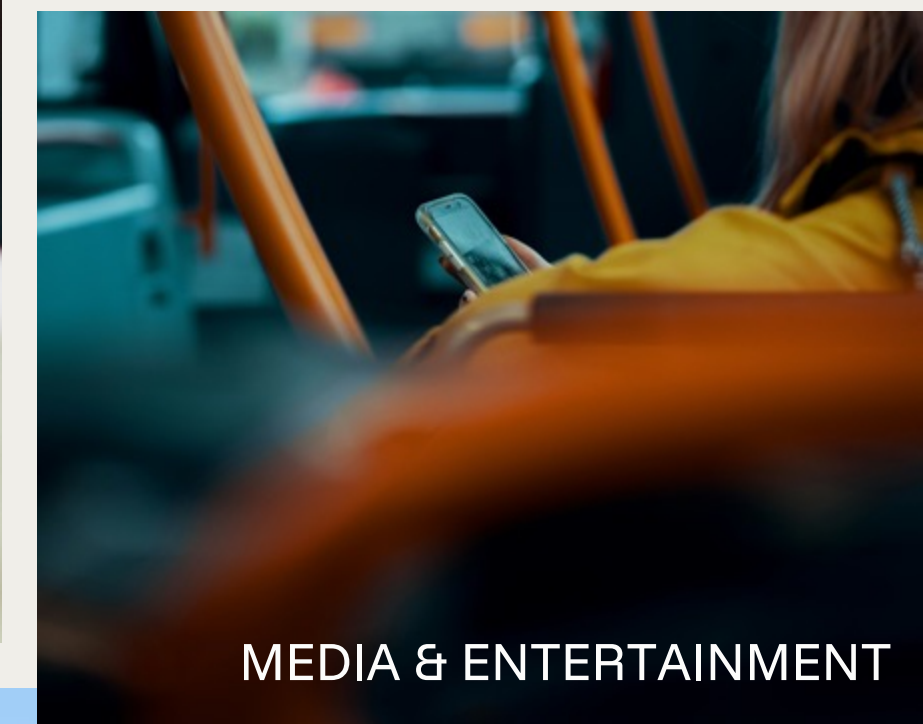
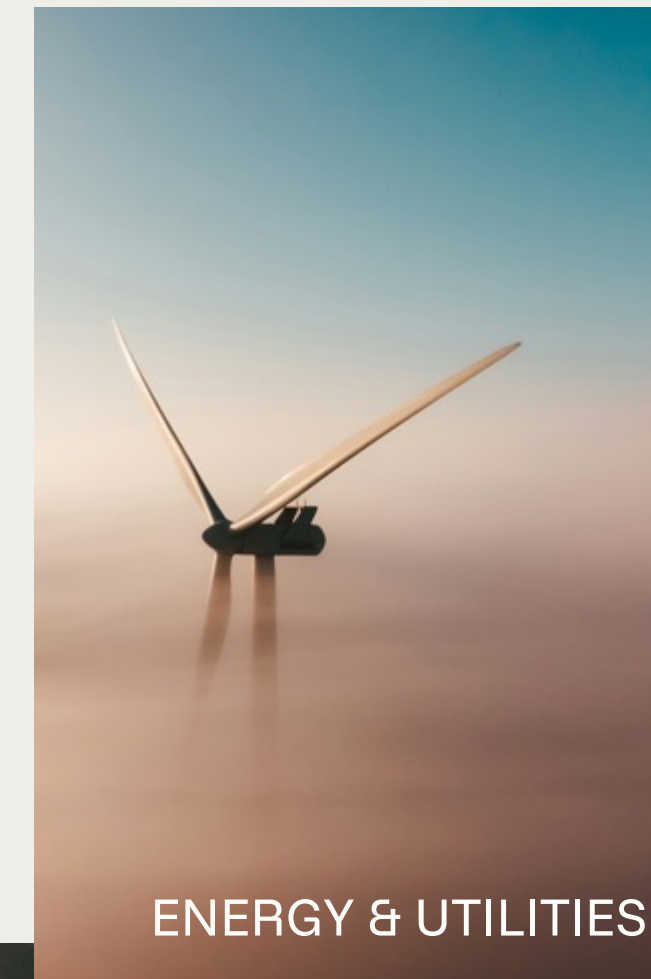
About Softwire

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.

G-Cloud 15 Services

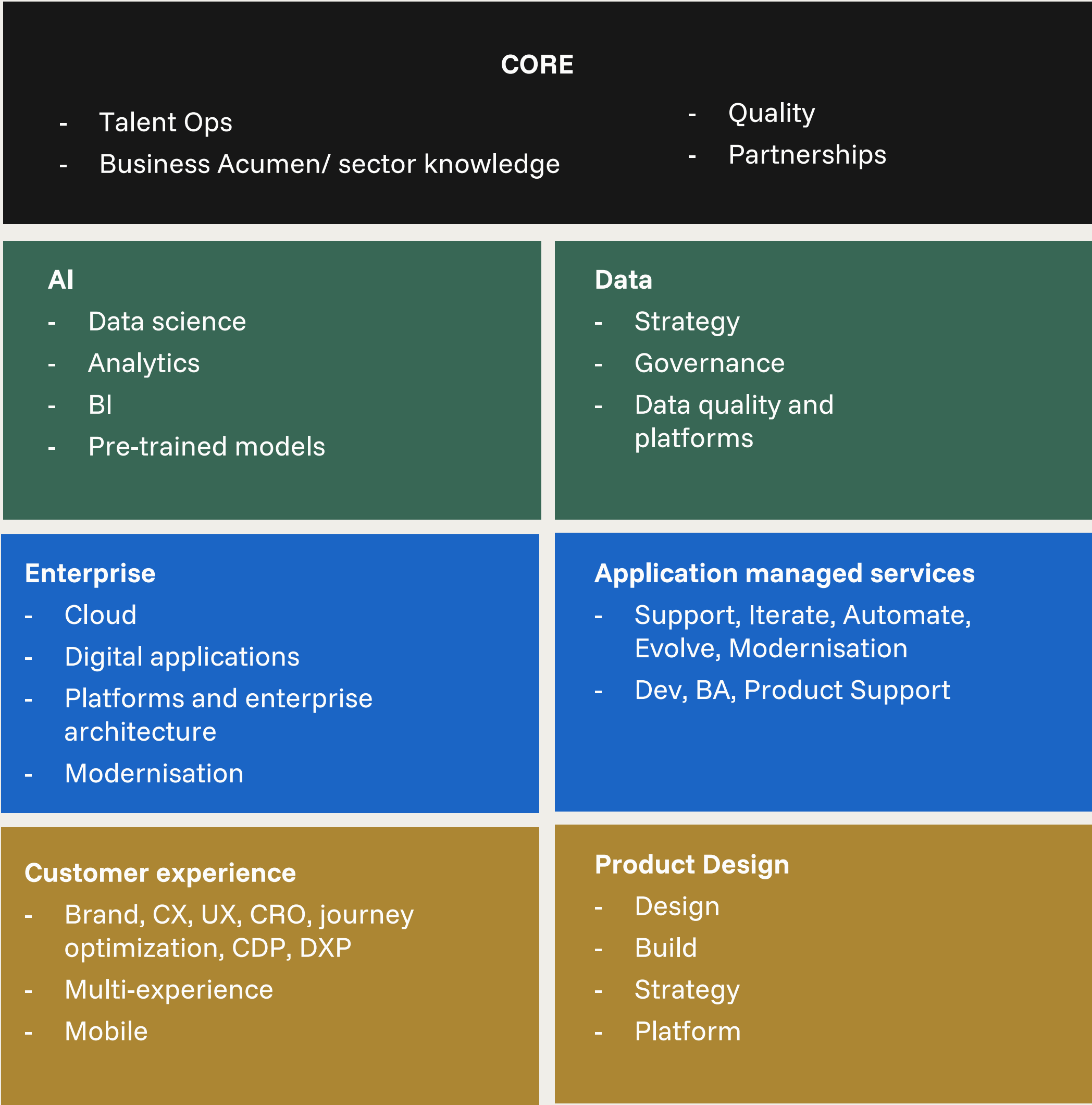


Our Capabilities

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 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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