

**Methods  
Analytics** \_

AN ALTEN COMPANY

To Solve.  
For Good.

Capability Overview \_

March 2023

# We're Methods Analytics\_

## A dedicated and specialist team of data solvers.

Founded in 2013, we've evolved to help customers solve complex problems with data.

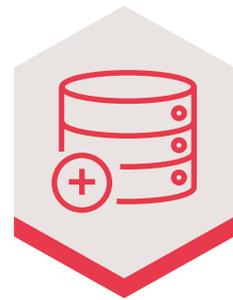
From problem identification, data management and data science, to visualisation, interpretation and the delivery of actionable intelligence – we offer solutions across the entire data lifecycle.



10+ years of rapid growth



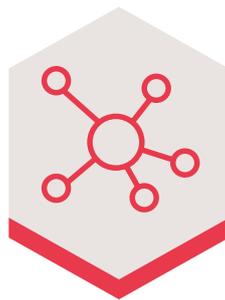
400+ successful projects



£1m+ data transformation programmes



70+ data experts



Access to 400+ associates from Methods Group

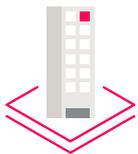


A trusted technology partner



## We work with innovative and purpose-driven organisations across the public sector

We're on a mission to empower organisations and society to **do good things** through the power of data.



Using data to help **Government** improve our public services



Equipping **Defence** to use data as a strategic asset



Harnessing data to improve everyone's **Health and Care**



## DATA FOUNDATIONS

**For your data-driven organisation to thrive, it must be built on strong foundations. We help you transform your teams, processes and data to get you setup for success. Working as your strategic delivery partner, our experts will develop a powerful data strategy aligned with your organisation's vision and mission; and take you through the practical steps to deliver enduring change.**

We specialise in making powerful data science accessible to your organisation, approachable to your teams and applicable to your challenges.

We offer transparent, explainable machine learning and artificial intelligence that delivers predictive models that your users can understand and trust. We follow ethical best practices to design solutions and validate our results routinely. We deliver results that are reproducible and explainable. By helping you find relationships and patterns hidden in your data, we'll unveil insights and future proof your investment by monitoring our solutions over time.

Working with us as your partner, you will be empowered to deploy data science into your current working practices to increase productivity and drive efficiency.

### **What we can deliver for you:**

We work with you to build the data foundations you need to support the change you want.

- + Data Strategy & Transformation
- + Data Governance & Information Management
- + Data Skills Development

### **Technical capabilities:**



INFORMATICA



MICROSOFT PURVIEW



## DATA PLATFORMS

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We specialise in building secure, performant and AI-ready cloud data platforms for the public sector.

Our team understand your context, your use cases and crucially your constraints, so we focus on building only what you really need and building it efficiently. We have the practical experience to work through the complexity of your legacy data estate, the nuance of your user requirements and a deep understanding of the specialist governance considerations for particularly sensitive data. Taking you from design through to development, migration through to deployment, our collaborative approach will give your team practical experience to get the most out your data platform from the start.

What we can deliver for you:

Let's build your data the AI-ready platform it deserves and give your users an experience they'll love.

- + AI-ready Data Platform engineering
- + Platform Modernisation Strategy

### Technical capabilities:



AZURE DATA SERVICES



AWS REDSHIFT



AZURE DATA FACTORY



AWS-POWERED DATA LAKES



## Data Science & AI

Together, we can find the hidden stories in your data. We join you wherever you are on your data journey, making data science accessible and approachable. Working collaboratively to develop solutions that suit different time frames, budgets and organisational maturity. Our experienced team of data scientists help you to maximise the potential of your data for positive change.

We specialise in making powerful data science accessible to your organisation, approachable to your teams and applicable to your challenges.

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Working with us as your partner, you will be empowered to deploy data science into your current working practices to increase productivity and drive efficiency.

What we can deliver for you:

We deploy data science that is impactful today and builds a capability you can continue to develop tomorrow.

- + Developing Data Science solutions
- + Proof of Concepts
- + Data-Science-as-a-Service
- + Use Case Evaluation

### Technical capabilities:



PYTHON



AZURE MACHINE LEARNING



AMAZON SAGEMAKER

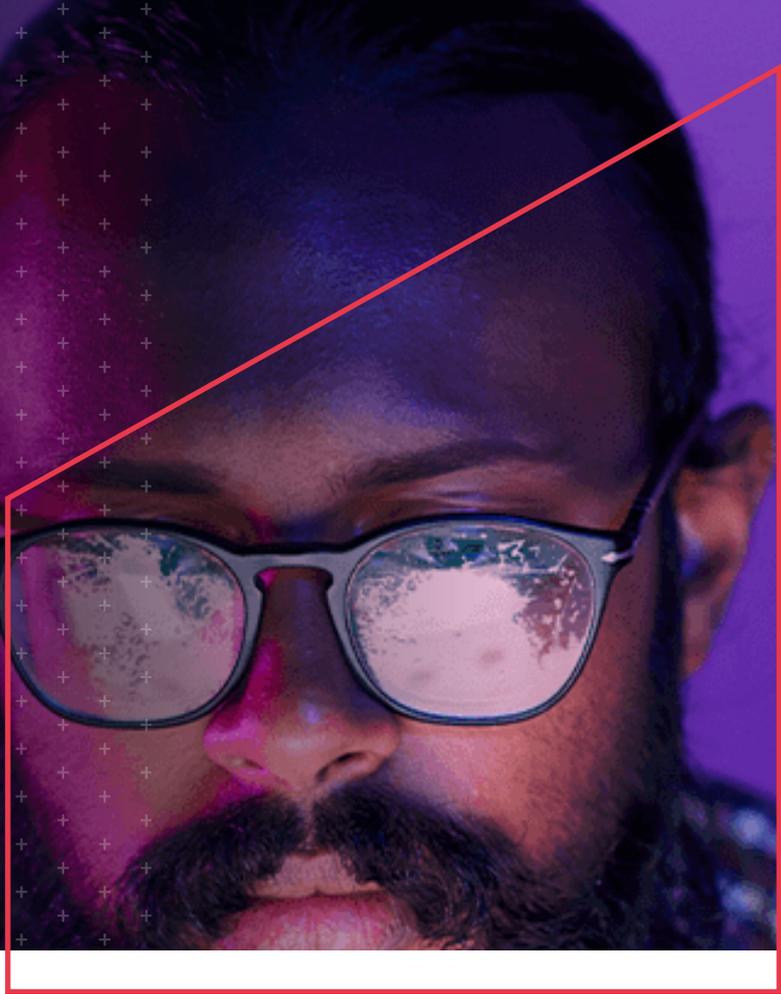


APACHE SPARK



## Analysis & Reporting

**Bring your data to life with the analysis and reporting your users need to make better decisions. Rather than spending time endlessly sifting through data without obtaining the business value you need, our experienced user researchers, designers and analysts will transform uninterpretable bytes into intuitive analysis, business intelligence and reporting.**



We specialise in making your organisation's data accessible through the delivery of intuitive and actionable insights. Transforming your data into a tangible asset that works for you, rather than acting as a barrier to your company strategy and ambitions.

We offer clear and reliable outputs that are user centric. Enabling staff across your organisation to gain knowledge and unlock valuable insights to make informed and timely decisions. Increasing confidence that actions taken align to business needs and help progress company goals.

Our team will work closely with you to understand the questions you are seeking to answer. Reviewing your current position, data availability, key contacts, and any challenges to delivery. Ensuring that effort is targeted and transparent throughout the schedule of work. Increasing confidence that work undertaken will add value and provide measurable progress towards answering critical questions.

What we can deliver for you:

- + Reporting-as-a-service
- + Bespoke Analysis & Interpretive Reports
- + Data Visualisation

### Technical capabilities:



POWER BI



AZURE SYNAPSE



AWS ATHENA



AWS QUICKSIGHT



QLIK



Case study

# Joint Biosecurity Centre (UKHSA)

## Data Science & Data Engineering



Data Science & AI



Analysis & Reporting

### The Joint Biosecurity Centre (JBC now UKHSA)

was established to provide evidence-based, objective analysis that would inform local and national decision-making in response to Covid-19. We have been recognised as a key data science partner since the early phase of the pandemic, with our teams embedded across multiple directorates driving a more efficient, effective response to Covid19.

### OUR WORK:

We have helped internal teams develop data science skills via quality assessments, workshops, documentation, automation and knowledge sharing around best practice; breaking down silos across the organisations with effective, regular communication.

We worked with the National Assessment and Alerting Team to forecast when the NHS were at risk to be overwhelmed. Using various statistical models to project hospitalisations.

Worked within the Point Prevalence and the Advanced Analytics teams to quantify the effectiveness of Non-Pharmaceutical Interventions (NPIs) during the first and second wave, regularly reporting to the Cabinet Office and the Secretary of State.

We supported JBC with reporting and modelling of infections, hospitalisations and the effect of vaccinations.



Case study

# Defence Digital Centre of Expertise



Data Science & AI



Analysis & Reporting

**Defence Digital Services (DDS)** is a part of Strategic Command within the Ministry of Defence (MOD). They needed a solution to recognise and retrieve the long explanation of acronyms in text. With more than 21k acronyms of which some can take up to 17 different meanings, communication within the MOD and the public is a struggle.

## OUR WORK:

Methods Analytics worked with data scientists at DE&S to understand the requirement and develop a solution on publicly available Defence documents. An object-oriented Python pipeline was then used to train an AI model that recognised acronyms and linked them to their long definition. In case a single acronym pointed at multiple definitions, the context in which it was used provided the correct match along with a reliability score, measuring the performance of the model.

Methods Analytics delivered a pipeline that has been integrated in the MOD Natural Language Processing pipeline and now available within for internal MOD network. We have provided an interactive solution to give insights on long documents in a consistent and robust way. This saved MOD personnel precious time, allowing them to label and re-use documents quickly and to spend more time in tasks where human intervention is necessary.

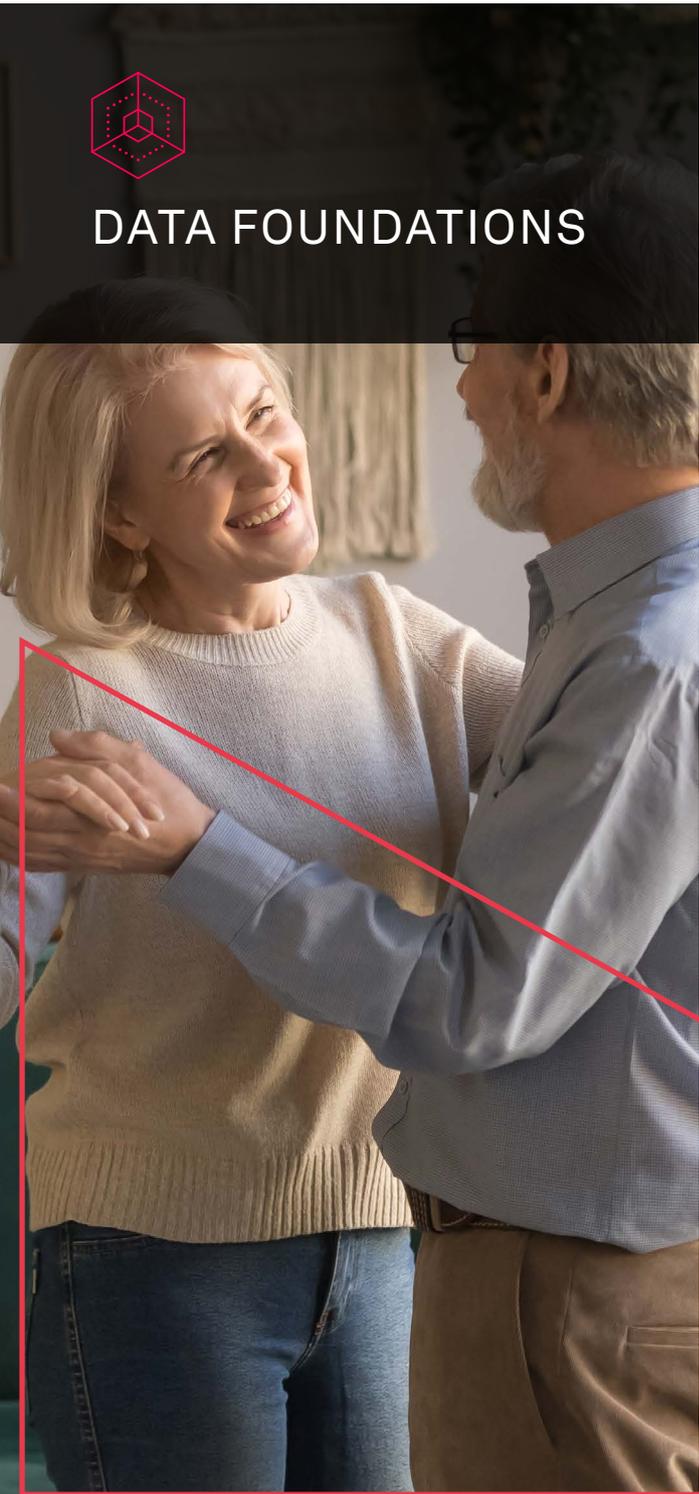
Case study

# The Pensions Regulator

## Information and Records Management



### DATA FOUNDATIONS



**The Pensions Regulator** were seeking an effective information management strategy to help reduce the burden on savers, trustees and staff by providing accurate, assured and easy to find information. This project supports the five strategic priorities in TPR's Corporate Strategy and Corporate Plan which goes beyond meeting statutory requirements to put the pension saver at the heart of its operations.

#### OUR WORK:

We are working with The Pensions Regulator to re-establish their records management function, designing a roadmap and framework which will support the organisation in meeting its strategic priorities.

This ambitious 2-month project has provided TPR with an efficient information management model, including:

- A Business Classification Scheme (BCS) which reflects the current organisational design
- Updated SharePoint processes which support existing and developing workflows
- An information asset owner and manager governance framework
- An updated information asset register
- A set of data and information policies, including a disposal and retention scheme

Case study

# Birmingham City Council

## Data Insight Programme



DATA FOUNDATIONS



DATA PLATFORMS



Analysis & Reporting

**Birmingham City Council**, one of the largest City Councils in Europe, were looking for a partner for their Data Insight Programme, to enable them to move from a culture of “crisis management” to one of prevention, through the better use of data.

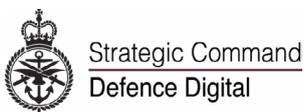
### OUR WORK:

The **Data-as-a-Service** workstream provides policy makers with data services, allowing users to gather insights and make data-driven decisions. We have increased the understanding of data through knowledge transfer and product handover as well as identified, produced and tested new data-driven dashboards and reports.

For the **Data Architecture** workstream we established a DaaS Technical Design Authority board to provide technical governance, created reusable design patterns and built infrastructure to meet analytical needs, including the use of machine learning, predictive analytics, geo-spatial and graph databases.

The **Data Ethics & Governance** workstream focused on the design and implementation of a Data Governance Framework to support Council, implementation of a Data Ethics Capability Framework and the upskilling and development of governance, ethics and stewardship. This is to enable better decision-making by building standard repeatable processes, to train staff to adopt common approaches to data issues and streamline data management processes.

We have become the trusted delivery partner for customers within Healthcare, Local & Central Government and Defence



At Methods Analytics, we aim to create value through everything we do for our customers, staff, communities and the planet.

We have created six social value pledges



### **Volunteering**

We will work with the voluntary community and social enterprise and charity sector (VCSE) to deliver 2000 hours community activities that support local needs.

We support our charity partner the Good Things Foundation to help reduce the digital divide and bring digital skills into society and our workforce.

We will continue to support charitable causes that are close to our heart, that align with and support our people values.



### **Investment in talent**

We will create 10 new apprenticeship roles and 2 kick start programme roles.

Deliver 25 work experience and /or volunteering weeks for young people aged 14 - 24.

We will inspire and nurture our next generation of talent through our commitment to supporting vibrant and professional apprenticeship and graduate schemes.



### **Staff wellbeing**

We will provide career paths for all our people and we will develop our PDP process.

Support the commitment to the Armed Forces Covenant and ensure that Methods is a pro forces recruitment partner, including offering enhanced support for those employees who are also reservists for the UK Armed Forces.

We will support our colleagues holistically as whole people, throughout all stages of their career with Methods.



### Safeguarding services

We will keynote at 2 large customer, partner, or industry events, speak at 10 customer, partner, or industry events, and offer pro bono advice to senior policymakers.

We will speak at 3 events for young people to introduce them to technology careers paths.

We will continue to contribute positive thought leadership about how we can use modern technology to safeguard our public services for future generations.



### Diversify our supply chains

We will promote the benefits of engaging local people, SME and micro-business suppliers, committing to increase local SMEs/ micro-businesses in our supply chain.

We will sign up to and promote Social Enterprise UK's Buy Social initiative, committing to increase Social Enterprise spending by 25% 2021-26.

We will diversify our local supply chains, promoting small business enterprise.



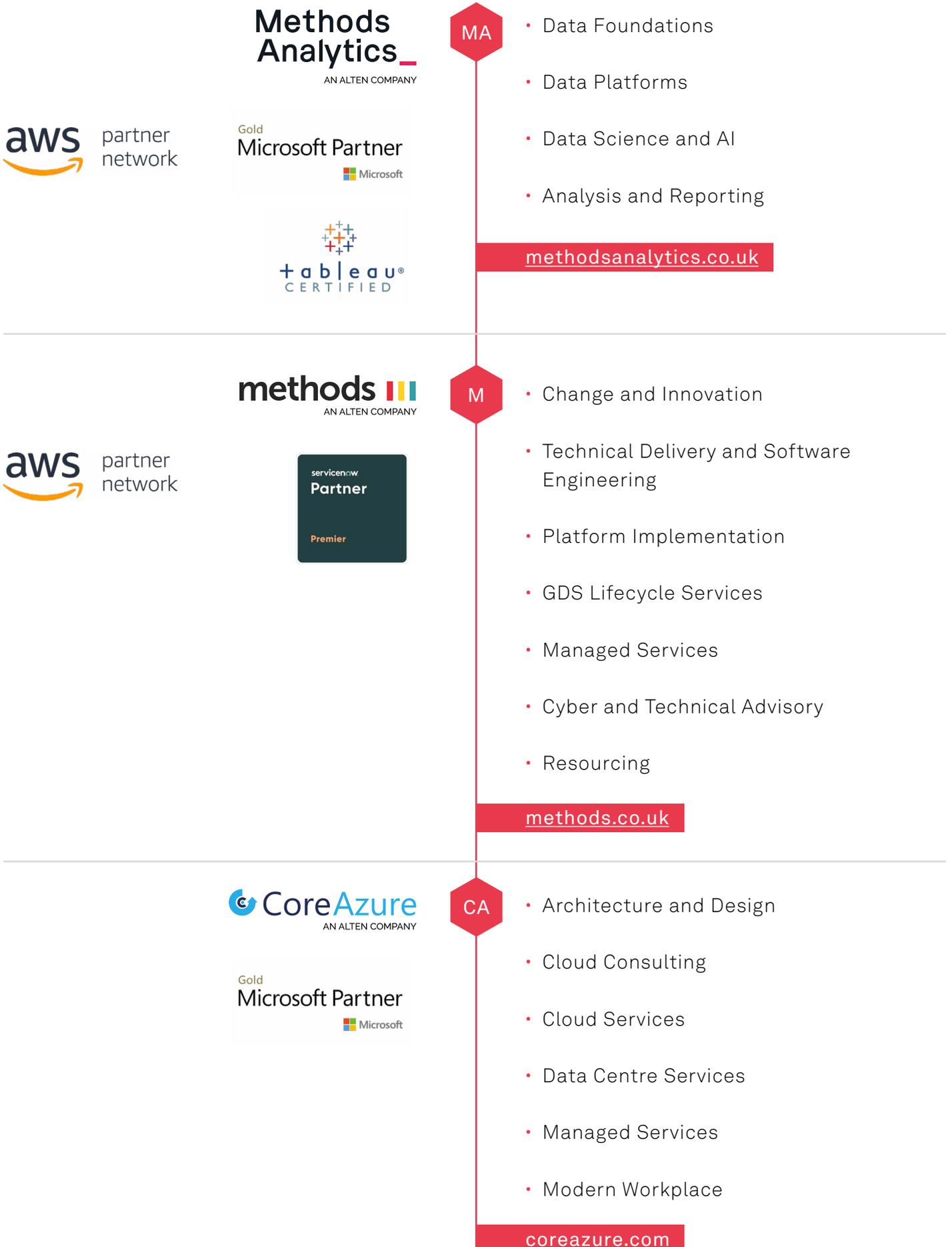
### Environment

We will minimise waste embracing the 'recycle, reuse, repair and refuse' philosophy to reduce waste to landfill by 20% over 5 years to 2026.

We pledge 300 people hours/ year to reducing climate impact and improving biodiversity, via our volunteering programme.

We will proactively champion waste reduction initiatives, advising and supporting colleagues to use resources efficiently, reducing waste and maximising environmental gain.

# Proud to be part of the Methods group



# Methods Analytics

AN ALTEN COMPANY



**INVESTORS IN PEOPLE™**  
We invest in people Standard



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