



Data Analytics and Visualisation

G-Cloud 15 Framework
Lot 3 Cloud Support: Service Definition

January 2026

Contents

[Service overview](#)

[Our service in action](#)

[Why choose us?](#)

[Case studies](#)

[About AtkinsRéalis](#)

[Contact us](#)

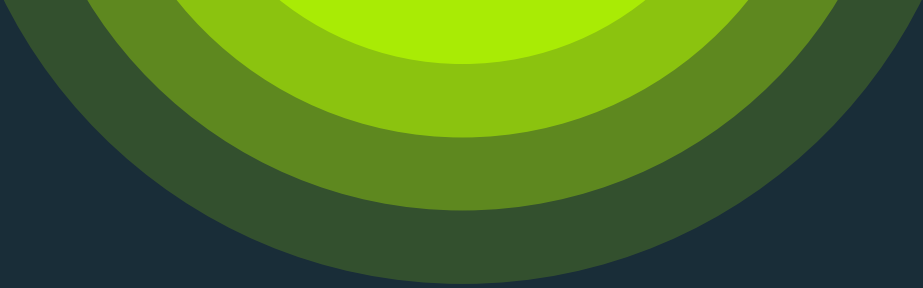


Service overview

Operational leaders across government and regulated industries need decision-ready insight that is findable, usable and trusted by the people who make decisions, enabling faster, more confident action and better prioritisation. At AtkinsRéalis, we work across central government, regulators and asset-intensive operators to turn dispersed data into intelligence that improves outcomes for users and the public, reducing operational friction and supporting better value for money.

We maintain deep domain expertise in secure and safety-critical environments; user-centred design embedded from discovery; engineering-grade data platforms; and measurable benefits evidenced on UK public programmes. We work to the UK's GDPR and data-sharing codes, Government Digital Service (GDS) Service Standard and Technology Code of Practice, NCSC secure design, and DAMA data management principles.

We have more than 1,000 digital specialists across our Applied Technology and Transformation practices and have delivered measurable impact across the UK. This gives our clients confidence that insights are lawful, secure, auditable and suitable for use in live operational and regulatory decisions.



For the Environment Agency, digitised inspection co-ordination **reduced repeat visits by 15%**, cut travel and carbon, and increased daily inspection throughput. At Severn Trent Water, automated anomaly detection **delivered ten times productivity** and more than three times precision compared with historic QA processes. Our AI-enabled PMO tooling **cut reporting times by 10–20%** and improved early-risk forecasting. For the Scottish Government's infrastructure programme between Argyll and Bute (an area known as the A83 'Rest and Be Thankful'), we simplified data management and made complex licensing datasets usable for non-technical teams involved in finding a resilient solution to this precarious mountain pass.

Our AI and Machine Learning capabilities are designed to deliver measurable value by transforming how our organisation operates and makes decisions. By automating manual and repetitive processes, we unlock significant efficiency gains, reduce operational overhead, and improve consistency and accuracy across workflows.

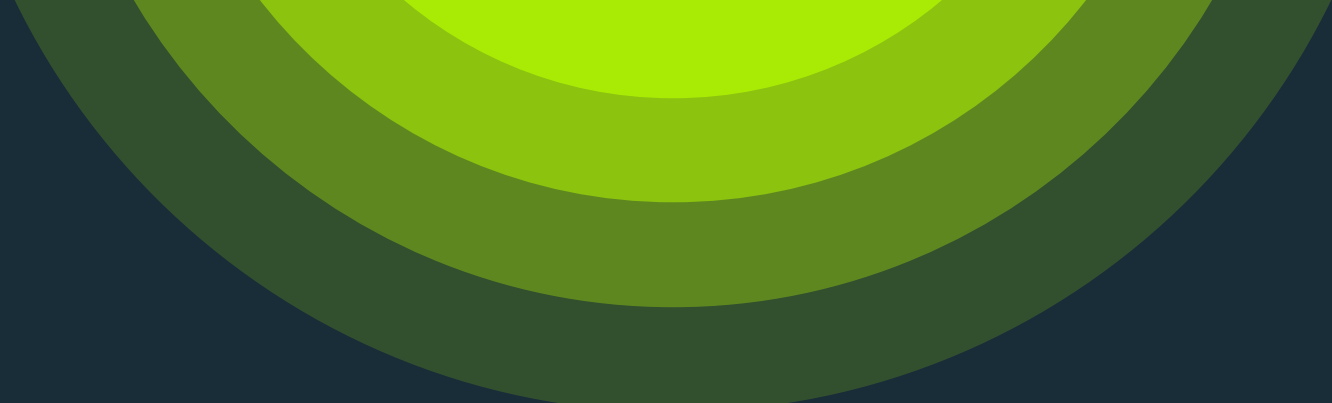
In addition, our advanced AI/ML models enable us to extract meaningful insights from large, complex, or fast-moving datasets, the kinds of patterns, trends, and opportunities that traditional analysis methods cannot reliably detect. These insights support more informed decision-making, strengthen forecasting, and help identify new avenues for optimisation and growth.

Our analytics and visualisation services consistently deliver measurable, real-world impact, cutting costs, speeding decisions and improving outcomes across some of the UK's most complex, high-stakes public programmes.

Our service in action

You can acquire the services detailed below either individually or as an end-to-end engagement, allowing you to target specific problems or scale support as needs evolve. Typical tangible outputs and outcomes are detailed for each service, to help you decide how our services can best meet your needs.





Discovery and alignment

Helps ensure the right decisions are supported, with shared understanding and early buy-in.

Indicative outputs

- User research summaries
- KPIs and success metrics
- Data inventory
- Governance & lawful-basis map
- Risks & ethics register
- Compliance plan aligned to GDS, UK GDPR and NCSC
- Prototype concepts

Indicative outcomes

- Shared understanding of the decisions to support
- Measurable goals
- Agreed standards and accessibility needs
- Early buy-in

Data engineering and modelling

Creates a trusted foundation that reduces manual effort and enables reliable insight.

Indicative outputs

- Documented pipelines (ELT/ETL) with tests and lineage
- Conformed data models
- Role-based access
- Quality rules
- Operational run-books

Indicative outcomes

- Trusted “single source of truth”
- Lower manual effort
- Faster refresh cycles.

We apply AI/ML (e.g., anomaly detection, forecasting) with explainability artefacts and human-in-the-loop controls.

Decision-ready visualisation

Supports quicker, more confident decisions through clear, accessible insight.

Indicative outputs: task-focused dashboards, geospatial layers, and narrative reports with drill-through; accessibility-checked components; performance telemetry.

Indicative outcomes: faster decisions, fewer repeat questions, clearer accountability.

Adoption, workflow integration & benefits realisation

Ensures insight is embedded in day-to-day decision-making and delivers sustained value.

Indicative outputs: business process redesign; operating procedures; training; playbooks; change communications; benefits tracker.

Indicative outcomes: insight embedded into approvals and controls; uplifted data literacy; verified benefits that sustain after handover.

We help our clients get maximum value from their existing tooling investments

Combining **proven methodologies with the latest technology**, at AtkinsRéalis, we deliver analytics and visualisation solutions that are **robust, scalable, and tailored to your operational needs**. By adopting a pragmatic and transparent approach, we ensure you always know how insights are generated – so you can trust the results.





Tools

To make it easy for your teams to access, explore, and share insights, we deliver solutions using leading analytics platforms – including Microsoft Power Platform (e.g. Power BI and Power Apps), Tableau, Palantir Foundry, AWS-native analytics and other major enterprise data platforms – integrating seamlessly with the technologies you use.

For more advanced analytical needs, we utilise **established machine learning frameworks** to automate complex analysis, develop bespoke models, and extract deeper value from your data assets. Where it delivers meaningful benefit, we integrate **AI driven automation** to streamline reporting, reduce repetitive analytical work, and ensure your analytics capabilities continue to evolve in line with changing business requirements.

Maximising your existing tooling

We integrate with what you already use – Power Platform, Tableau, Qlik, Palantir, AWS/GCP/Azure data services – and modern data patterns (data mesh/fabric, lakehouse) to avoid lock-in.

Certifications, frameworks & standards

Applying established methodologies, such as CRISP-DM (Cross-Industry Standard Process for Data Mining), business process mapping, and prioritisation frameworks (like MoSCoW and VMOST), we ensure every project is structured, repeatable, and aligned with your objectives. Our teams hold certifications across Microsoft Power BI and Power Platform, Tableau, Palantir Foundry and Qlik, and apply industry standards including DAMA, TOGAF and Open Agile Architecture to ensure robust, enterprise-grade delivery.



Our methods

We use structured and repeatable methods, to ensure every one of your analytics projects has clear objectives, defined outcomes, and a transparent and consistent delivery path. This reduces delivery risk and ensures consistent outcomes for our clients.

Methods include: CRISP-DM, MoSCoW, VMOST; architecture aligned with TOGAF/Open Agile Architecture; information management aligned with DAMA, so projects remain focused on what delivers value, not unnecessary complexity. We are committed to continuous innovation, we actively explore and adopt emerging technologies, keeping our solutions at the forefront of the industry. Whether leveraging advances in artificial intelligence, machine learning , or new data platforms, we ensure our clients benefit from the most effective and future-ready tools available.

Build quick data visualisations and generate insight



Optimise processes and systems to make data enterprise-ready

Gold Member Microsoft Partner Network



Access Qlik Certified specialists

Access Microsoft Certified Professionals (MCPs)



Access Tableau Certified specialists



Why choose us? - trusted results, proven impact

Selecting a partner to meet your data analytics and visualisation needs is about more than technical skill – it's about choosing a team that understands your operational reality and can deliver results at pace and scale.

Bringing together **over 1,000 digital, data and technology professionals**, at AtkinsRéalis we give you access to a truly global network of industry-leading subject matter experts, ensuring you always receive hands-on, responsive support from teams who know your sector and region.

Clients return to AtkinsRéalis because we don't just deliver projects: we solve problems, unlock new opportunities, and help organisations move from reactive decision-making to proactive, data-driven performance. Our track record speaks for itself.



Case studies

Find out how our impact is demonstrated
through real-world delivery

CASE STUDY

Advanced Analytics Control Centre (AACC)

Predictive PMO insight

Our Azure-hosted PMO suite uses AI agents and machine learning to automate reporting and forecast project risks. Dashboards **reduce reporting times by up to 20%** and improve transparency. **Additionally, AACC cuts unforeseen risks by 25%.** In 2025, AACC was recognised as a finalist in the **'Best Applied AI Project of the Year'** category at the UK IT Industry Awards.

30%

**Reduced
operation costs**



CASE STUDY

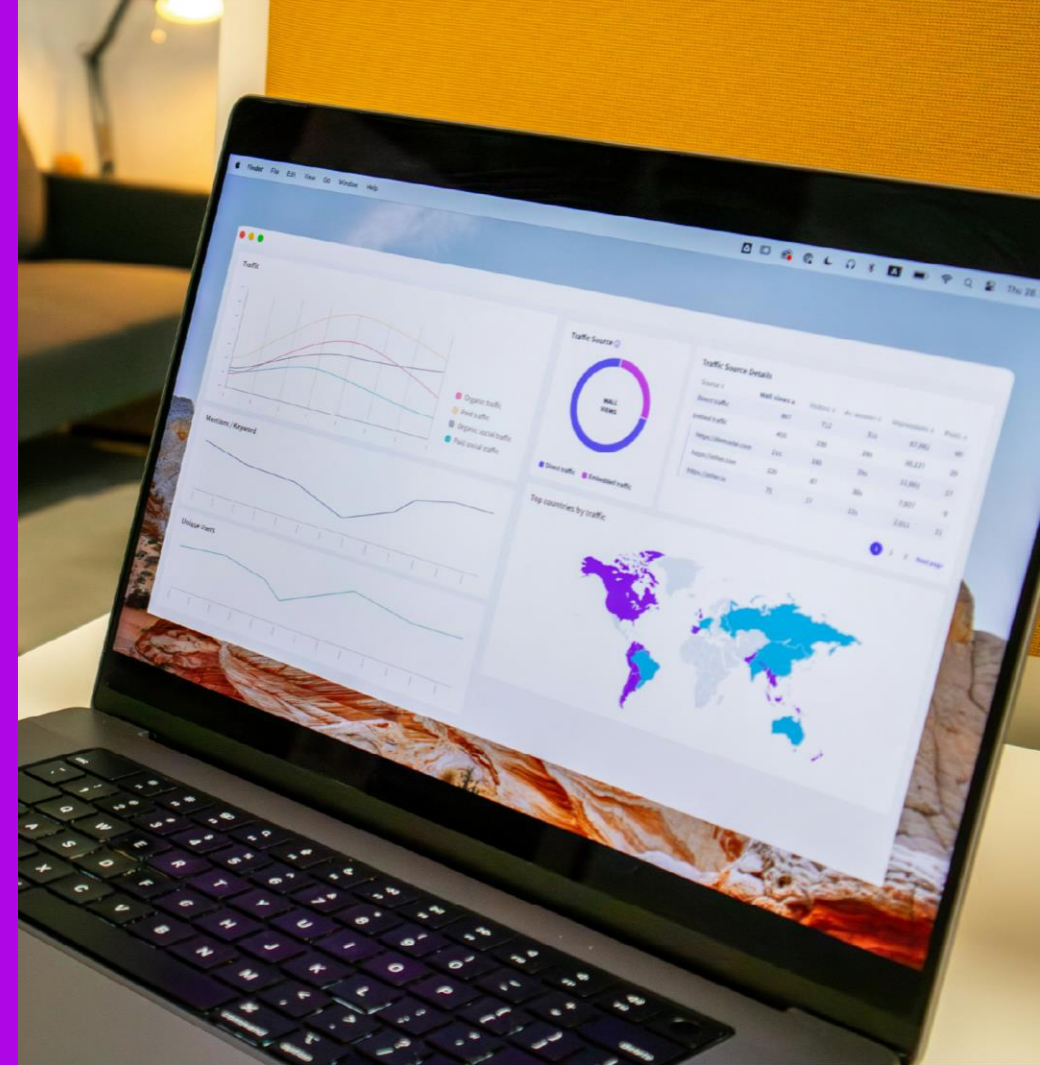
Severn Trent Water

AI-driven anomaly detection

Through automating anomaly detection and quality assurance using advanced analytics, we **delivered a ten times productivity boost**, and **three times greater precision versus historic processes** – cutting pollution, enabling faster, more reliable responses, **while reducing over 400 hours of manual review**, and supporting regulatory compliance in a critical infrastructure setting.

400+

Hours saved



CASE STUDY

Ministry of Defence [UK]

Embedded business intelligence and spend transparency

At the UK Ministry of Defence, we embedded portfolio-to-project BI and automated spend tracking/forecasting – streamlining controls and **reducing operational cost by 30% through automation**, with dashboards that improved cross-department collaboration and decision speed.

20%

**Reduced
reporting times**



About AtkinsRéalis

AtkinsRéalis is a global leader in engineering, design, and digital services, renowned for delivering end-to-end solutions across government, infrastructure, energy, transportation, and technology sectors.

Founded in 1911, our company operates in over 160 countries with a workforce of more than 36,000 professionals, combining deep technical expertise with cutting-edge digital innovation. Notable for internationally recognised engineering projects such as the Burj Al Arab, the Ho Chi Minh City Skyscraper and the Elizabeth Line, alongside digital projects for MoD, HMRC, National Highways and Heathrow, we have earned a reputation for consistently delivering high-quality work.

Our digital capabilities span business strategy, architecture, design, implementation, project management, and lifecycle support, leveraging advanced technologies such as AI, digital twins, and data-driven systems to transform government, infrastructure and energy systems worldwide. With our strong focus on human-centric design, resilience, and sustainability, AtkinsRéalis is a trusted partner for complex, mission-critical projects for clients across government, defence, infrastructure and beyond.



CONTACT US



ccs@atkinsrealis.com



Nova North,
11 Bressenden Place,
Westminster, London,
SW1E 5BY