



Automation

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

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Service overview

We excel in delivering automation solutions that ensure services work better for people, by **simplifying repetitive tasks**, reducing errors, and speeding decision-making. Our Automation service is designed to tackle the persistent challenge of repetitive, manual, and error-prone tasks that sap morale and consume valuable time and resources across business processes.

These tasks, such as data entry, report generation or transferring information between systems, are often labour-intensive and susceptible to human error. By automating these structured, rules-based activities, organisations can **improve reliability, increase speed and accuracy**, and free skilled staff to focus on higher-value, analytical work.

Amongst others, we helped **Severn Trent Water** to realise such benefits by implementing an Artificial Intelligence/Machine Learning assurance and anomaly detection solution which **eradicated 400 hours of manual review per annum** and automated anomaly detection for rising mains. We've been instrumental in ensuring the **National Underground Asset Register (NUAR)** reduced data access time from six days to 60 seconds, enabling faster decisions across more than 700 asset owners.

Our approach aligns to the Government Digital Service Standard and we provide the flexibility for choosing between fully automated solutions or "human-in-the-loop" where requirements such as costing, governance or ethics dictate it.



Our service in action

We offer three Automation categories that can be delivered individually or as an integrated programme:

Business process workflow automation

We start by assessing the 'as is' and understanding fully the 'to be', where you want automation to take you, its features and benefits, and we are specialists in using industry leading workflow automation tools such as Microsoft Power Automate and n8n. We embed human-in-the-loop approval or exception steps and quantify the benefits with our Business Analysts.

Physical inventory and event-driven automation (IoT)

We stream telemetry from IoT equipment into data platforms, apply anomaly detection, and orchestrate interventions with industry leading tools such as Microsoft Power Automate and n8n, retaining human oversight for significant decisions.





Data processing and ingestion automation

We can help automate data pipelines, so systems work efficiently and reliably by using, for example, Azure Data Factory and FME Flow, to cleanse, transform and publish decision-ready data.

Whichever category of automation you choose, our Subject Matter Experts will work with you to understand your business challenge and current processes to co-develop an automation that works with, and supports, users. Automations naturally lead to changes in ways of working; our service is designed to provide the necessary training and support to ensure these business changes stick and you can realise long-term benefits.

Why choose us? – trusted results, proven impact



We have a wealth of experience across multiple sectors, so you can be guaranteed we will have the SMEs on hand you need, along with our digital experts, social scientists, and human factors specialists.

We will ensure you get the right solution for your automation expectations, but we will always factor in human-in-the-loop design where policy, costing and accountability require meaningful human involvement.

We will engineer a solution for your target environment, collaborating with your IT teams from day one, to ensure sustainability, supportability and compliance. And we will ensure **measurable outcomes, evidencing time and cost savings** for your key stakeholders. You can trust us, whatever your needs, sector and domain: we have the expertise and experience.

Case studies

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

CASE STUDY

Severn Trent Water

AI/ML assurance & anomaly detection

We reduced over 400 hours of manual review and saved £300k; undertook a legacy data cleanse; automated anomaly detection for rising mains.

£300k

Saved



- Delivered 10 times initial productivity level
- Near real time anomaly detection at least three times the precision



CASE STUDY

NUAR

Transforming underground asset management

We delivered the multi-award winning National Underground Asset Register (NUAR) solution using a secure cloud-based platform including an automated data ingestion, transformation, and publication process. Providing the ability to consume data from over 600 Asset Owners, NUAR reduces data access time for safe-dig operations from six days to sixty seconds, enabling faster decisions and safer working.

£490M

In predicted savings



- On target to save the UK economy £490 million annually
- A 36x return on investment
- Streamlined processes predicted to cut costs by £91 million per year
- Automatically processes and publishes data from over 600 Asset Owners



CASE STUDY

Northumberland County Council

GIS automation

NCC undertook a major modernisation of its geospatial capability to address longstanding issues with data quality, system degradation, and manual workflows that slowed service delivery and created operational inefficiencies. We delivered a bespoke GIS strategy providing new data standards, improved governance, and an upgraded cloud-based mapping infrastructure. Extensive training for 300 users along with communication platforms and online knowledge banks that strengthened organisation-wide geospatial literacy assisted the business change.

2500

Staff hours saved



- Automated GIS removed manual processing
- ~26k hours saved (≈ 12 FTE)
- 25k+ hours saved annually
- Highly Commended – 2025 MCA Awards



CASE STUDY

Greater London Authority (GLA)

Planning London Datahub

The introduction of data ingestion automation within the GLA Planning London Datahub (PLD) significantly reduced the manual workload previously associated with the London Development Database (LDD). By designing, building, and implementing a Data Ingestion pipeline our solution enabled integration with borough back-office systems and the national Planning Portal. These systems automatically send data into a unified, standards-based data model - removing the need for repeated manual borough level spreadsheet wrangling and web form inputs.



- ~2 weeks FTE saved per borough by removing manual input
- Faster FOI and ad-hoc GLA responses
- Centralised data replaced bespoke scrapers



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.



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