Custom Software Development Service

G-Cloud 14 Service Definition

Advancing the future together

Amentum is a global leader in advanced engineering and innovative technology solutions, trusted our customers to address their most significant and complex challenges in science, security and sustainability. Our people apply undaunted curiosity, relentless ambition and boundless imagination to challenge convention and drive progress. Our commitments are underpinned by the belief that safety, inclusion and well-being are integral to success. Headquartered in Chantilly, Virginia, we have more than 53,000 employees in approximately 80 countries across all 7 continents.

$14B
FY25E revenue

53,000+
employees

~80
countries

AMTM
New York Stock Exchange

Delivering future forward solutions through execution excellence

As a **global leader in engineering and technology solutions**, with an unwavering commitment to our clients' missions, we help Governments, Agencies and Operators of Essential Services **secure their critical assets** and **generate decision-making insight** from their data.

Through our **culture of collaboration and innovation** we harness a blend of knowledge, skills and behaviours, and **leverage emerging technologies** to deliver **resilient, robust and scalable solutions** that respond to our clients' current and future needs.

Our **technical experts** work side by side with client teams, taking time to listen to and understand their specific challenges, helping them navigate the rapidly evolving technological and regulatory landscape, and using our **cross-sector expertise** to develop **custom solutions that use the right technologies to solve specific problems**.

Our **security-first mindset** places data privacy and confidentiality at the heart of everything we do and our **systems engineering approach** drives our understanding of the bigger picture, and the steps required to meet our clients' specific objectives.

Our core capabilities

Digital Transformation: We enable data-driven decision making through digitisation, digitalisation, and the modernisation and integration of digital technologies.

Physical & Cyber Resiliency: We help protect our nation's most critical assets and enhance organisational resilience through our end-to-end physical and cyber expertise.

System Integration & Service Delivery: We drive operational efficiency by integrating and supporting secure systems using DevSecOps, Agile and ITIL best practice.

Software & Data Centric Solutions: We deliver automation, innovation and improved decision-making through our data engineering, data science, and artificial intelligence solutions.

G-Cloud 14 services

Digital Transformation

Cyber Security Governance, Risk & Compliance

Cyber Threat & Intelligence

Cyber Security Experimentation & Exercising

Cyber Security Training

Physical Security

P3M

Model-based Architecture Design

Testing & Trials

Custom Software Development

Digital Twin

Data Engineering & Information Management

Data Science & Analytics

Advanced Analytics using AI/ML

Our suite of G-Cloud services can be delivered standalone or as part of an integrated solution tailored to your specific requirements.

Custom Software Development Service

Service description: Our Custom Software Development Service consistently delivers robust solutions ranging from R&D to fully qualified products. Using our flexible software development environment that supports the full DevSecOps stack, we provide software development for a wide range of programming languages and platforms, using the development methodologies and governance appropriate to the project.

Service features:

- Cloud, web, mobile, low-code, and traditional software development team expertise
- Technology readiness levels from proof of concept to qualified product
- Full range support of development methodologies e.g., Agile, Kanban, Waterfall, etc
- Full stack and full software development lifecycle expertise
- Integrated security testing at every stage of DevSecOps stack
- Skilled User Experience (UX) and User Interface (UI) design
- Frontend technologies: Javascript, Typescript, React, Angular, Vue, jQuery, etc
- Backend technologies: Python, C#, Java, C/C++, Ruby, etc
- Database technologies: PostgreSQL, MySQL, SQLServer, ORACLE, DynamoDB, Aurora, etc
- Ability to rehost, relocate, re-platform, refactor, or re-architect existing solutions

Service benefits:

- Experienced development team with deep domain knowledge
- Cost effective and time efficient software development
- Knowledge and software development expertise across multiple technology platforms
- Adherence to recognised secure coding standards
- Software solutions that are open and modular
- Solutions that meet the fourteen NCSC cloud security principles
- Robust software development governance and practices to reduce project risk
- Reducing project risk through consistent and regular progress reporting
- Ability to integrate into existing working practises reducing administration
- Flexibility on providing cloud, desktop application, web, and embedded development

Selected case studies

Digital Transformation

We are enabling **data-driven decision making** on National Highways Lower Thames Crossing, part of the biggest investment in the UK road network for a generation.

To facilitate **secure and effective collaboration** across the design and construction of this transportation megaproject we designed and built an **Azure-based Software as a Service solution**, allowing users to connect to and use cloud-based applications.

We provided **governance, risk management and compliance** services to ensure alignment with business goals, while managing risk and meeting regulatory requirements including ongoing security and compliance through patch management best practice.

In addition, our cybersecurity team designed, deployed and operate a **Security Operations Centre**, provide real-time monitoring, incident response, and continuous protection capability.

Physical & Cyber Resiliency

We are helping **protect our nation's most critical assets** including the Transpennine Route Upgrade, a multibillion-pound, transformative railway infrastructure programme that will improve connectivity in the North of England.

We are providing vital services to support the securitisation of this critical national infrastructure programme including:

- the delivery of an **operational technology cybersecurity and emergency strategy** and associated governance regime that spans the entirety of the programme lifecycle;

- the development of a more **secure, resilient, and holistic risk management** approach that addresses the end-to-end risk to operational technologies and cyber systems; and

- supporting programme partners in achieving **security accreditation**, providing a consistent security approach across the entire programme.

Selected case studies

System Integration & Service Delivery

We are driving **operational efficiencies** in the defence sector by integrating and supporting secure systems using DevSecOps, Agile and ITIL best practice.

As part of our engineering support services to a defence client, we are providing **systems integration and service delivery leadership and expertise**, applying our skills, knowledge and experience across a range of projects, to overcome limited client expertise and programme delays.

Our services include the provision of expertise, experience and the application of best practice techniques in **systems engineering, network and infrastructure architecture, security engineering and system accreditation**.

Our input has already resulted in the successful **recovery of the programme schedule**, and increased client confidence in overall programme delivery.

Software & Data Centric Solutions

We are delivering **automation, innovation and improved decision-making** through the delivery of software solutions that accelerate digitisation using automated, managed, and secure cloud-native DevSecOps approaches.

We helped to overcome the challenge of legacy data, and distributed, inaccessible data silos, with no unified search or reporting facilities, through the application of **natural language processing (NLP) and modern search techniques** to intelligently sift through documents and gain insight.

We designed and delivered a **net new data platform and reporting suite** that applies business logic to datasets, offering analysis to all relevant parties, at both project and enterprise-level.

Our solution has seen high uptake and has vastly **improved knowledge management**, enabling projects to gain additional insight and learning through more effective search functionality.

Social value

We are committed to having a **net positive impact** on people's lives through the work that we do and the services we deliver. Our approach to maximising positive outcomes for the economy, society and the environment is guided by our sustainable business strategy, which is fully integrated into our global business model. Our strategy is aligned with the United Nations Sustainable Development Goals (SDGs) to clearly demonstrate how we are contributing to the delivery of social value outcomes.

- **Fighting climate change:** We are committed to the effective stewardship of the environment through the delivery of additional environmental benefit and influencing staff, suppliers, customers, and communities to support environmental protection and improvement.

- **COVID-19 recovery:** We are committed to helping local communities to manage and recover from the impact of COVID-19 through the creation of employment, re-training and return to work opportunities, supporting people, communities, organisations and businesses to manage and recover from the impacts of COVID-19, supporting the physical and mental health of people affected by COVID-19, and delivering improvements to workplace conditions that support the COVID-19 recovery effort.

- **Tackling economic inequality:** We are committed to creating new businesses, jobs and skills and increasing supply chain resilience and capacity by creating opportunities for entrepreneurship, helping new organisations to grow, creating employment and training opportunities in high growth sectors, supporting training and educational attainment that addresses skills gaps, creating a diverse supply chain, supporting innovation, disruptive technologies, and new ways of working, collaborating with our supply chin partners, and by taking action to identify and manage cyber security risks.

- **Equal opportunity:** We are committed to reducing the disability employment gap and tackling workforce inequality through action that increases the representation of disabled employees, supporting disabled people in developing new skills, action that identifies and tackles inequality in employment, skills and pay, supporting in-work progression to help people move into higher paid work, and by taking action to identify and manage the risks of modern slavery.

- **Wellbeing:** We are committed to improving health and wellbeing and community integration through action that supports the physical health and mental wellbeing of employees, influencing suppliers, customers and communities to support health and wellbeing and integrated communities, and collaboration with users and communities in the co-design and delivery of services.

Additional service information

Services

- We provide planning, setup and migration, and quality assurance and performance testing services.

- We provide security services, and security testing is performed by certified security testers.

- We support cloud hosting and software services, including buyer hosting and software, and hosting and software provided by a third-party organisation.

- We provide email and online ticketing support and respond to questions within 24 hours.

- We provide phone support. Phone support hours and 9 to 5 (UK time), Monday to Friday.

Staff security

- We provide UK cleared staff up to and including DV (Developed Vetting) clearance.

Day rates

- **Standard rate card:** Please refer to the associated pricing document relevant to this service.

- **Consultant's working day:** 8 hours exclusive of travel and lunch.

- **Working week:** Monday to Friday excluding UK bank holidays.

- **Office hours:** 9:00am to 5:00pm Monday to Friday.

- **Travel, mileage subsistence:** Payable at the client's standard travel and subsistence rates.

- **Mileage:** As for travel, mileage subsistence.

- **Professional indemnity insurance:** Included in day rate.

- **VAT:** Is not included in the above rates.

- **Volume discounts:** Are considered on a case-by-case basis.

Terms and conditions

- Please refer to the terms and conditions service document.

Next **steps**

Our suite of G-Cloud services can be delivered standalone or as part of an integrated solution tailored to your specific requirements.

To better understand your current and future needs please reach out to our technical experts, who will work with you to explore and identify potential solutions to your challenges.

For further information please email
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