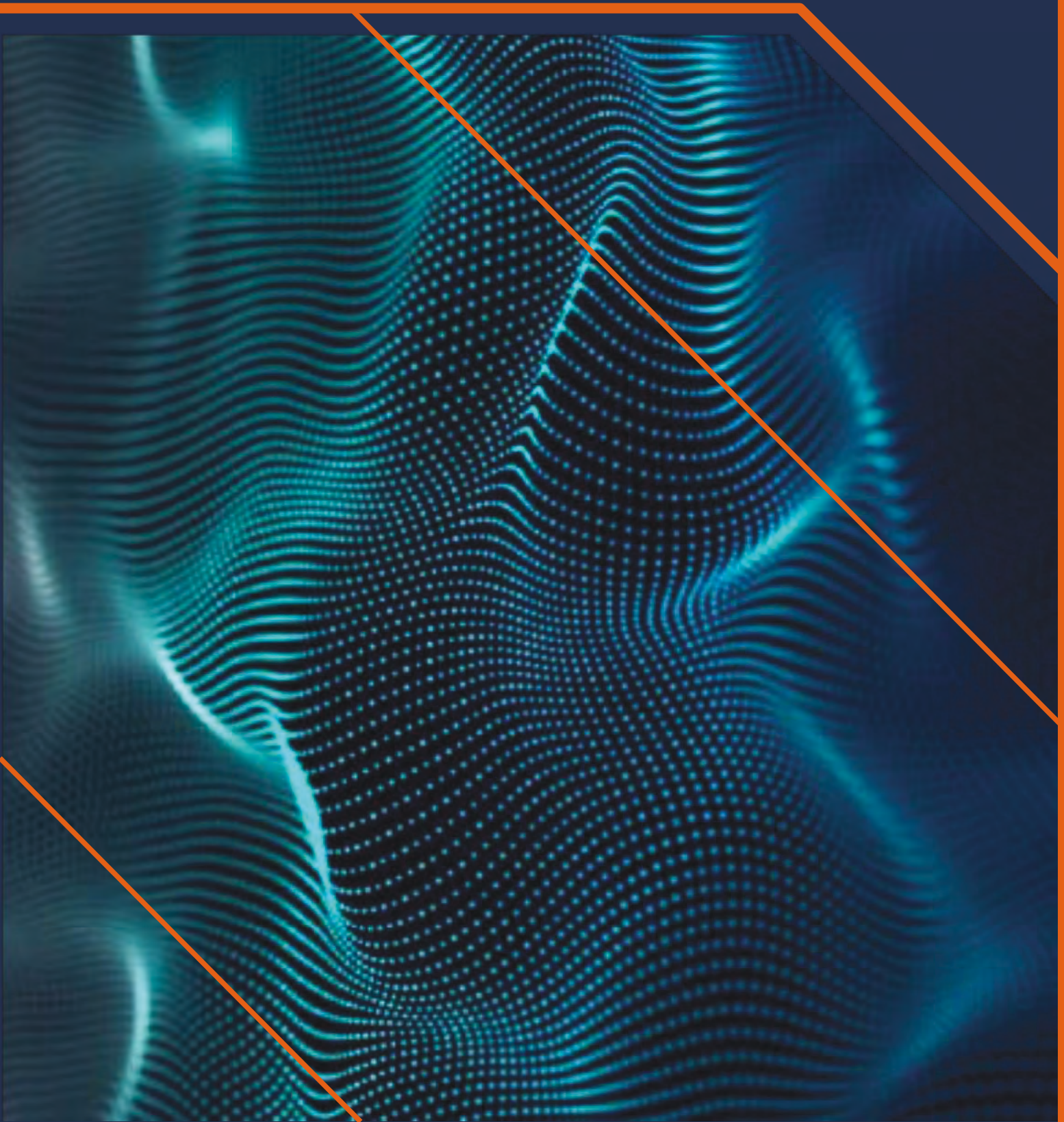




RedRock Consulting

Software Development & Engineering

G-Cloud 15 Services





We are RedRock

We are RedRock - a trusted delivery partner for government digital, data and technology transformation.

For two decades, we've helped public sector organisations modernise legacy services, unlock the value of their data, and design digital products that meet the expectations of citizens and the standards set by GDS. Our teams work collaboratively with departments, agencies and ALBs to solve complex problems, accelerate delivery, and build enduring digital capability.

We're platform agnostic and fiercely independent. That means our recommendations are driven entirely by your user needs, technical landscape and strategic priorities - not by vendor incentives or proprietary lockin. We focus on interoperability, open standards and longterm sustainability.

As a founder run SME, we offer exceptional value for money: flexible engagement models, transparent pricing, and experienced multidisciplinary teams who deliver at pace using proven agile, DevOps and productcentric ways of working.

Whether you need surge capacity, a delivery squad, specialist skills, or a partner to design and implement an entire capability, RedRock helps you strengthen your organisation, improve public services, and achieve measurable outcomes for citizens and society.



Ed Pikett - Chief Digital Officer and Public Sector Practice lead

Ed is a board member and RedRock's Public Sector Practice lead, having previously held senior Civil Servant positions in the Cabinet Office, 10 Downing Street, and as Digital Director at the Department for International Trade. He is a board trustee for Citizens Advice Lewisham

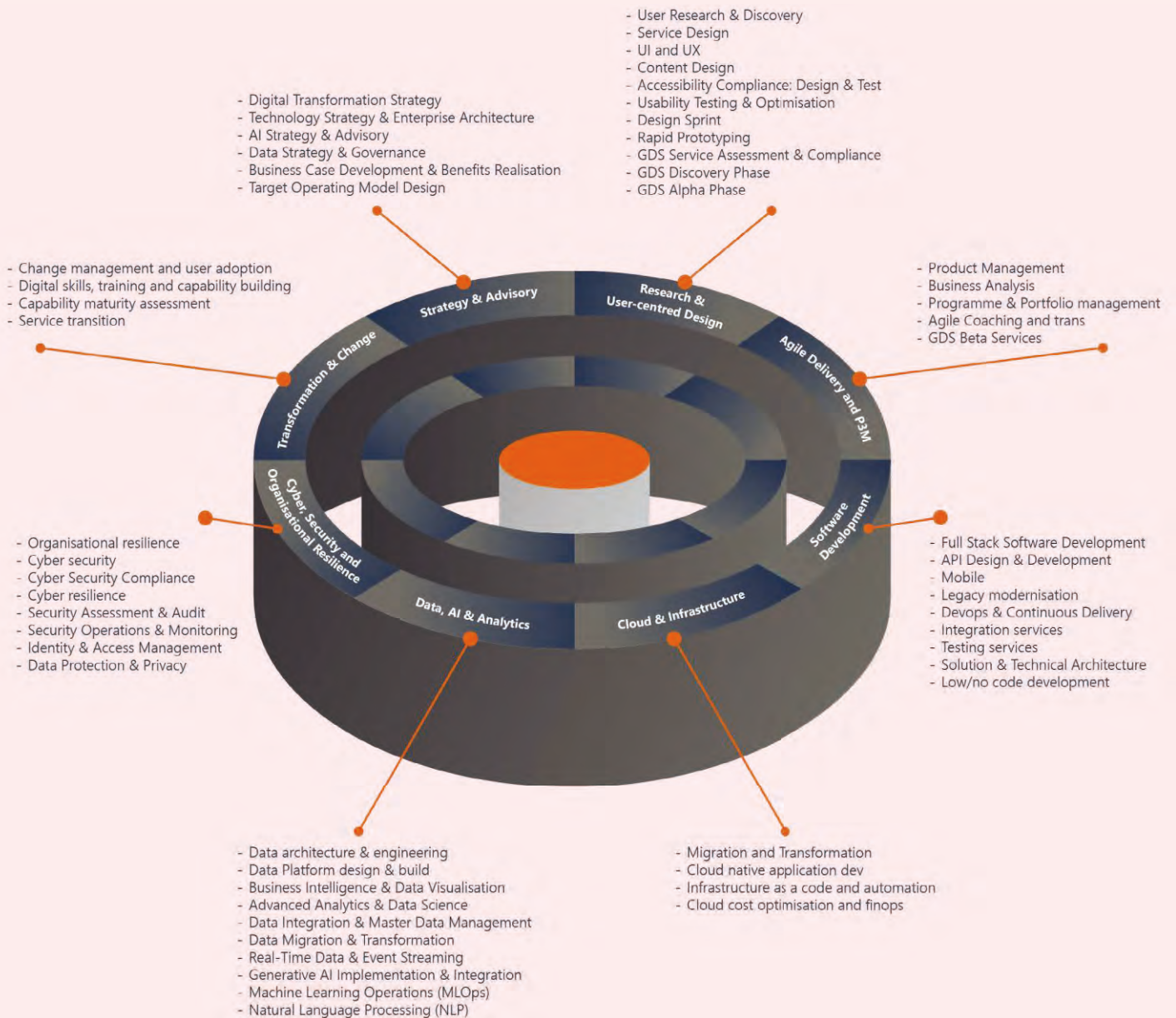
Edward Pikett Chief Digital Officer

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Our Capabilities





Software Development & Engineering

We've been building secure, scalable software for public and private sector organisations for over 20 years. We transform legacy systems into modern, cloud-native platforms and create systems that are maintainable, accessible, and meet government and regulatory standards. Whether you need to modernise ageing infrastructure, build new digital services, or scale existing platforms, our engineering helps enable new capabilities while reducing technical debt and maintenance costs

How we help

Modernise Legacy Systems

We assess your legacy estate, define pragmatic modernisation strategies, and execute phased migrations.

Accelerate Delivery With Automation

Our DevOps practices and CI/CD pipelines enable rapid, reliable releases, reducing deployment time from weeks to hours.

Build for Scale and Sustainability

We engineer maintainable, well-documented systems that grow with demand and can be evolved by your teams long-term.

Our approach

Security and Accessibility by Design

We follow OWASP standards, WCAG 2.2 AA compliance, and government coding practices from day one.

Cloud-Native, Platform-Agnostic

We build for AWS, Azure, and GCP using modern frameworks and architectures that scale with demand

Test-Driven, Quality-Focused

Every line of code is tested, unit, integration, and end-to-end, ensuring reliability and enabling confident changes.



Full-Stack Software Development

Software Development & Engineering

Service Description

RedRock build secure, scalable web applications and digital services using modern technologies and frameworks. Our engineers develop front-end interfaces, back-end APIs, and database solutions following government coding standards, security best practices, and accessibility requirements, delivering high-quality code that is maintainable and well-tested.

Service Features

- Front-end development (React, Angular, Vue.js and more)
- Back-end API development (Node.js, Python, Java, .NET and more)
- Database design and development (PostgreSQL, MySQL, MongoDB and more)
- RESTful and GraphQL API design
- Microservices architecture implementation
- Secure coding practices (OWASP Top 10)
- Automated testing (unit, integration, E2E)
- Code review and quality assurance

Service Benefits

- Deliver reliable, performant applications
- Ensure security and data protection by design
- Create maintainable, well-documented codebases
- Accelerate feature delivery with modern frameworks
- Reduce technical debt through quality engineering
- Meet government technology standards
- Enable rapid iteration and continuous improvement
- Build scalable solutions that grow with demand



Service Description

RedRock design and build secure, well-documented APIs that enable integration, data sharing, and service reuse across government. Our API specialists build APIs following government API standards, implementing security, performance, and monitoring to ensure reliable, scalable integration capabilities.

Service Features

- RESTful API design and development
- GraphQL API implementation
- Event-driven architecture (pub/sub, webhooks)
- API documentation (OpenAPI/Swagger)
- API security (OAuth 2.0, JWT, API keys)
- Rate limiting, throttling, resilience and fallback mechanisms
- API gateway implementation
- Versioning and backward compatibility

Service Benefits

- Enable secure data sharing across systems
- Accelerate integration with third parties
- Reduce development time through reusable APIs
- Ensure consistency through API standards
- Improve reliability with robust error handling
- Enable real-time data exchange
- Support mobile and web application development
- Create API-first architecture for flexibility



Mobile Application Development

Software Development & Engineering

Service Description

RedRock develop native and cross-platform mobile applications that extend government services to smartphones and tablets. Our mobile developers create iOS and Android applications that are accessible, secure, and performant, following mobile-specific design patterns and enabling offline capabilities where needed.

Service Features

- Native iOS development (Swift, SwiftUI)
- Native Android development (Kotlin, Jetpack Compose)
- Cross-platform development (React Native, Flutter)
- Mobile-first responsive design
- Offline capability and data synchronisation
- Mobile security and data encryption
- Push notification implementation
- App store submission and management

Service Benefits

- Reach citizens on their preferred devices
- Enable on-the-go access to services
- Improve accessibility through mobile convenience
- Reduce support costs with self-service mobile apps
- Enhance user engagement with push notifications
- Enable offline service access
- Create consistent experience across platforms
- Increase digital service uptake



Legacy Modernisation & Re-engineering

Software Development & Engineering

Service Description

RedRock transform legacy systems into modern, cloud-native applications that are easier to maintain, more secure, and cost-effective. Our engineers assess legacy systems, define modernisation strategies, and execute phased migrations that minimise risk while enabling new capabilities and reducing technical debt.

Service Features

- Legacy system assessment and analysis
- modernisation strategy (rehost, refactor, rebuild)
- Application re-engineering and refactoring
- Data migration and transformation
- API wrapper implementation for legacy systems
- Phased migration planning and execution
- Integration with modern cloud services
- Risk mitigation and rollback strategies

Service Benefits

- Reduce maintenance costs by 50-70%
- Improve system performance and reliability
- Enable cloud migration and scalability
- Reduce security vulnerabilities
- Improve developer productivity
- Enable modern DevOps practices
- Extend system lifespan cost-effectively
- Support business agility and change



DevOps & Continuous Delivery

Software Development & Engineering

Service Description

RedRock establishes DevOps practices and continuous delivery pipelines that enable rapid, reliable software releases. Our engineers automate build, test, and deployment processes, implement infrastructure as code, and create cultures of collaboration between development and operations teams, dramatically improving delivery speed and quality.

Service Features

- CI/CD pipeline design and implementation
- Infrastructure as Code (Terraform, CloudFormation, ARM)
- Automated testing frameworks (unit, integration, E2E)
- Deployment automation and orchestration
- Container orchestration (Kubernetes, OpenShift, ECS)
- Monitoring and observability implementation
- Release management and rollback strategies
- DevOps culture transformation and training

Service Benefits

- Reduce deployment time from weeks to hours
- Increase deployment frequency by 10x+
- Reduce deployment failures by 60%
- Enable rapid rollback and recovery
- Improve collaboration between dev and ops
- Increase reliability and system stability
- Accelerate time to market for new features
- Reduce manual effort and human error



Integration Services

Software Development & Engineering

Service Description

RedRock connect disparate systems and enable data flow across complex government IT estates. Our integration specialists design and implement integration patterns, API gateways, and data pipelines that enable real-time and batch data exchange while maintaining security, data quality, and system independence.

Service Features

- Enterprise Service Bus (ESB) implementation
- API gateway and management platform
- Extract, Transform, Load (ETL) development
- Real-time data integration and streaming
- Message queue implementation (Kafka, RabbitMQ)
- Master Data Management (MDM) integration
- iPaaS implementation (MuleSoft, Dell Boomi)
- Data transformation and mapping

Service Benefits

- Enable seamless data flow across systems
- Reduce manual data entry and duplication
- Improve data consistency and quality
- Enable real-time service delivery
- Reduce integration costs through reusable patterns
- Improve system interoperability
- Support data-driven decision making
- Enable rapid onboarding of new systems



Testing Services

Software Development & Engineering

Service Description

RedRock's onshore and nearshore Testing service provides expert testers to deliver strategy, management and execution across manual, exploratory and automated testing. We support functional, performance, load, cross-browser, accessibility, usability and security testing for cloud services, ensuring quality, reliability and compliance for web and mobile applications.

Service Features

- Onshore and nearshore flexible service for individuals or full test teams
- Scalable, on-site delivery as part of your project team
- Comprehensive testing: unit, integration, system, user, acceptance.
- Agile projects and QA support
- Cloud migration and development support
- Test strategy and management expertise
- Manual and automated testing: analysis, design, scripting, execution
- Creation of automation frameworks
- Skilled in leading cloud, open-source, and commercial tools
- Tools include Selenium, JMeter, Cucumber, ALM/UFT, Jira, BurpSuite

Service Benefits

- Improved software quality with lower development costs
- Greater confidence in delivered quality
- Skilled professionals to advise, manage, and execute
- Targeted solutions aligned to business needs
- Agile, collaborative partnership with in-house teams
- Tested to meet Digital by Default standards
- Shorter release cycles and better user experience
- Planned knowledge transfer to in-house teams



Solution & Technical Architecture

Software Development & Engineering

Service Description

RedRock's Solution & Technical Architecture service designs robust, scalable technology architectures aligned to business goals. We ensure seamless integration across applications, data and infrastructure while balancing innovation with security and compliance. Our approach accelerates delivery, reduces technical debt, promotes innovation and provides a clear, actionable roadmap for implementation.

Service Features

- End-to-end solution design covering applications, data, integration, and infrastructure.
- Technology stack assessment and rationalisation for cost efficiency.
- Cloud-native and hybrid architecture aligned to organisational strategy.
- API and integration frameworks for interoperability and flexibility.
- Security and resilience by design, following NCSC and Government standards.
- Governance and assurance models to support decision-making and delivery

Service Benefits

- Reduced risk and cost through validated, standards-based designs.
- Accelerated delivery with clear architecture blueprints and reusable patterns.
- Improved scalability and performance for future growth.
- Compliance and security assurance embedded from the outset.
- Better stakeholder confidence with transparent governance and traceability.
- Long-term sustainability through re-use, rationalisation and technical debt reduction.



Service Description

RedRock helps organisations accelerate application development and integration through Low-Code and No-Code platforms. Our Centre of Excellence CoE focused approach reduces delivery times and costs while improving efficiency with intuitive drag-and-drop functionality. We combine governance, scalability, and automation to minimise risk and enable rapid transformation.

Service Features

- Establish governance with clear rules, naming conventions, and audit trails
- Centralised platform mindset for scalability and shared components
- Leverage accelerators and pre-built modules
- Develop blended teams combining business and IT skills
- Align platform capabilities with requirements and compliance standards
- Define FinOps and DevSecOps strategies for secure, cost-effective delivery
- Cloud modernisation aligned to industry and regulatory standards
- Integration with existing systems and flexible deployment options
- Training and upskilling support best practice

Service Benefits

- Accelerate time-to-value and digital transformation
- Reduce development costs and risks through automation and AI
- Improve agility with minimal coding and visual design tools
- Enable faster decision-making and collaboration across teams
- Enhance customer experience with rapid adaptation to change
- Gain centralised control over application estate
- Foster a culture of innovation and continuous improvement



Supporting HM Land Registry to Deliver Secure, User- Focused Digital Services

The Challenge

HM Land Registry needed to modernise legacy, paper- and PDF-based processes that were slow, error-prone and heavily dependent on manual casework. The organisation required secure, GDS-compliant digital services that improved data quality and processing speed while building sustainable in-house delivery capability.

Our Approach

RedRock partnered with HMLR as a trusted technical delivery partner, working in blended, multi-disciplinary teams from Discovery through to Live. Our approach combined user-centred design, modern engineering and DevOps practices, and continuous knowledge transfer through paired working and mentoring.

Our Solution

We delivered fully digital, GDS-compliant services such as the Digital Registration Service, replacing PDF submissions with structured online data capture and real-time validation. Machine learning capability was introduced to automate remaining PDF processing, alongside enhancements to workflows, CRM integration and reporting platforms.

The Outcome

Error rates were significantly reduced and processing times improved by around 50%, saving thousands of caseworker hours each year. HMLR gained improved data quality, more resilient and scalable services, and confident in-house teams equipped to own and evolve digital services long term.



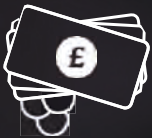
We are RedRock
Why Partner with RedRock?

Our values are rooted in excellence



Quality of Delivery

RedRock is fully aligned with the GDS Service Standard (14 points) across discovery, alpha, beta, and live phases. Our approach to delivery adheres to the Technology Code of Practice for secure, cloud-first, and standards-based delivery.



Value for Money

RedRock operates through transparent pricing models and cost controls aligned with Cabinet Office spend controls. We use HM Treasury Green Book Five-Case Model to evidence benefits and ROI.



Service Excellence

RedRock provides proactive governance, risk management, and stakeholder engagement throughout delivery. We maintain Cyber Essentials Plus certification for secure operations and supply chain assurance. We have never lost a client due to service.



Innovation

RedRock has a proven track record of embracing emerging technologies such as AI, automation, and low-code platforms to accelerate transformation. Promotes open standards and interoperability for future-proof solutions.



End-user Centric

RedRock designs services around user needs, supported by research and iterative testing. Our solutions are delivered with WCAG 2.2 AA accessibility standards in mind to ensure an inclusive digital experience.



Collaborative

RedRock fosters collaborative environments where teams share insight, expertise, and are accountable. We break down silos through co-design, joint planning, and transparent agile delivery to ensure smoother delivery, greater alignment, and achieve positive outcomes.



Partnership Charter

On every engagement we develop a partnership charter, demonstrating our commitment to ways of working. This is a co-created document setting out shared values and goals.

By agreeing these principles upfront, we create a shared foundation for transparent communication, joint decision-making and collective accountability. The charter clarifies how we work together day-to-day, including expectations around governance, cadence, roles and ways of collaborating across blended teams.

It also ensures both organisations remain aligned throughout delivery, providing a reference point to navigate challenges, maintain trust and keep focus on shared outcomes. This approach fosters stronger relationships, supports smoother delivery, and embeds a genuinely collaborative culture that endures beyond the life of the engagement.





We are RedRock

We Champion Fresh Ideas And New Technologies,

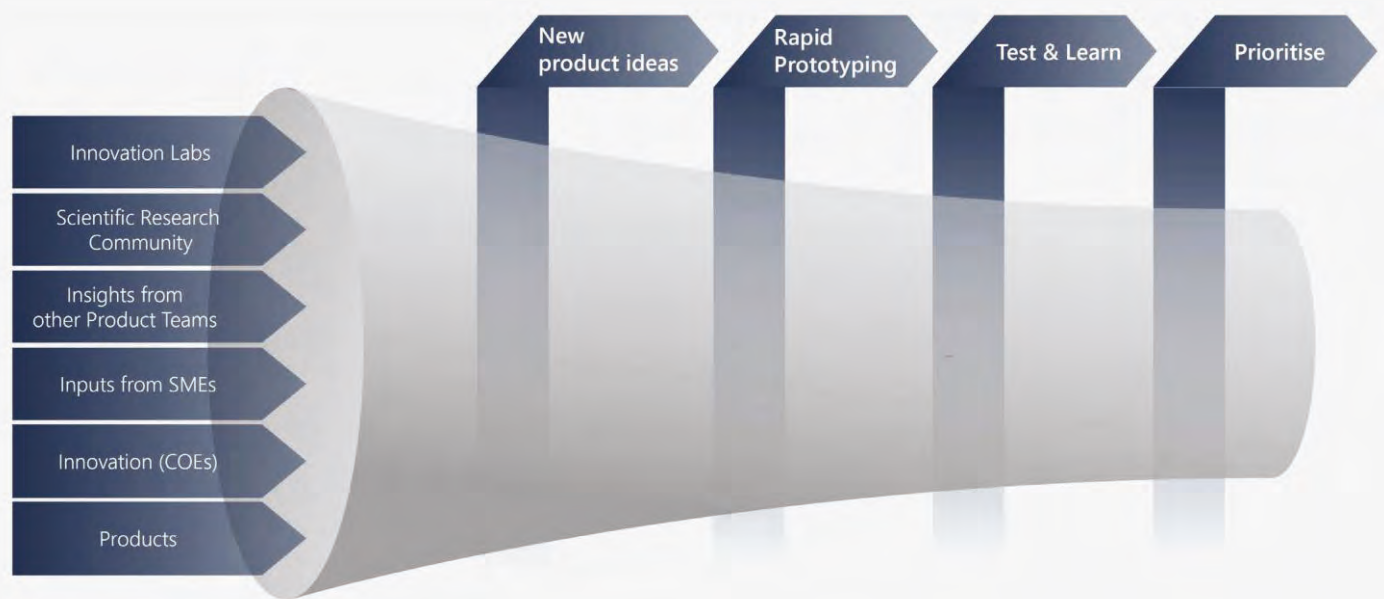
Innovation is at our core

The Government defines innovation as **'the creation and application of new knowledge to improve the world'**

We go beyond pilots, projects and labs. We build the skills and culture that help organisations to innovate because good ideas cannot flourish in a hostile environment.

Our clients value RedRock for our willingness to:

- Disrupt and challenge the status quo, while being humble and integrative
- Make decisions in the face of uncertainty, legitimised through a process of test of learn
- Provide and follow a clear plan of action, while adapting to and improvising for the unexpected
- Explore new possible futures, while focusing on outcomes and committing to real-world effects
- Keep the big picture in mind while also considering citizens' needs at an individual level; being reflective and critical while having a strong bias towards action





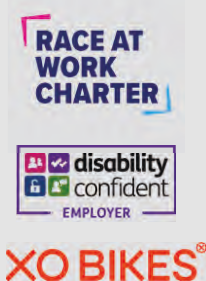
What we care about

We care deeply about our home city and hire accordingly to ensure that we are a true representation of Bristol and its diverse communities. At the core of our values is delivering positive change holistically. We embed Corporate Social Responsibility into how we operate, ensuring we deliver commercially while creating positive societal impact.

Through our Triple Bottom Line approach, we measure performance across economic, social and environmental factors. We promote an inclusive culture, respect for the environment, and a strong, supportive community.

Equality

RedRock believes diversity is a strength. We are signatories of the Race at Work Charter, Women in Tech, and the Armed Forces Covenant. We are committed to equality in employment, skills, and pay, and we support disabled people, women, LGBTQ+ communities, ethnic minorities, ex-offenders, people facing homelessness, and those from diverse socio-economic backgrounds.



Well-being

Our team are our identity and their wellbeing is paramount. We are always working towards improving how we support them. Since winning the Best Companies Small Business award in 2021, we have increased the wellness fund available to all our staff and now have five mental health first-aiders.



Sustainability

Since first reporting our carbon emissions in 2019, RedRock has taken a holistic approach to achieving our ambitions of being carbon neutral by 2026. In this time, we have reduced our emissions by 87.5% and are confident of hitting our goal.



Community

Our local community matters to RedRock. We've built strong partnerships with Bristol-based charities, including funding 16 places for young people facing socioeconomic disadvantage on the Empire Fighting Chance programme. We also prioritise buying and hiring locally: 24% of our suppliers are within three miles of our office, and 78% of our team live within ten miles.





G-Cloud 15 Services Overview

Our services taxonomy is designed to deliver maximum value

Strategy & Advisory

- Digital Transformation Strategy
- Technology Strategy & Enterprise Architecture
- AI Strategy & Advisory
- Data Strategy & Governance
- Business Case Dev & Benefits Realisation
- Target Operating Model Design
- Capability as a Service

Research & UCD

- User Research & Discovery
- Service Design
- User Experience (UX) Design
- Content Design
- Accessibility Compliance: Design & Test
- Usability Testing & Optimisation
- Design Sprint
- Rapid Prototyping
- GDS Service Assessment & Compliance
- GDS Discovery Phase
- GDS Alpha Phase

Agile Delivery

- Product Management
- Business Analysis
- Programme & Portfolio Management
- Agile Coaching & Transformation
- GDS Beta Phase

Software Dev & Engineering

- Full-Stack Software Development
- API Design & Development
- Mobile Application Development
- Legacy Modernisation & Re-engineering
- DevOps & Continuous Delivery
- Integration Services
- Testing Services
- Solution & Technical Architecture
- Low/No Code Development

Cloud & Infrastructure

- Cloud Migration & Transformation
- Cloud-Native Application Development
- Infrastructure as Code & Automation
- Container Orchestration & Kubernetes
- Cloud Cost Optimisation & FinOps

Data, AI & Analytics

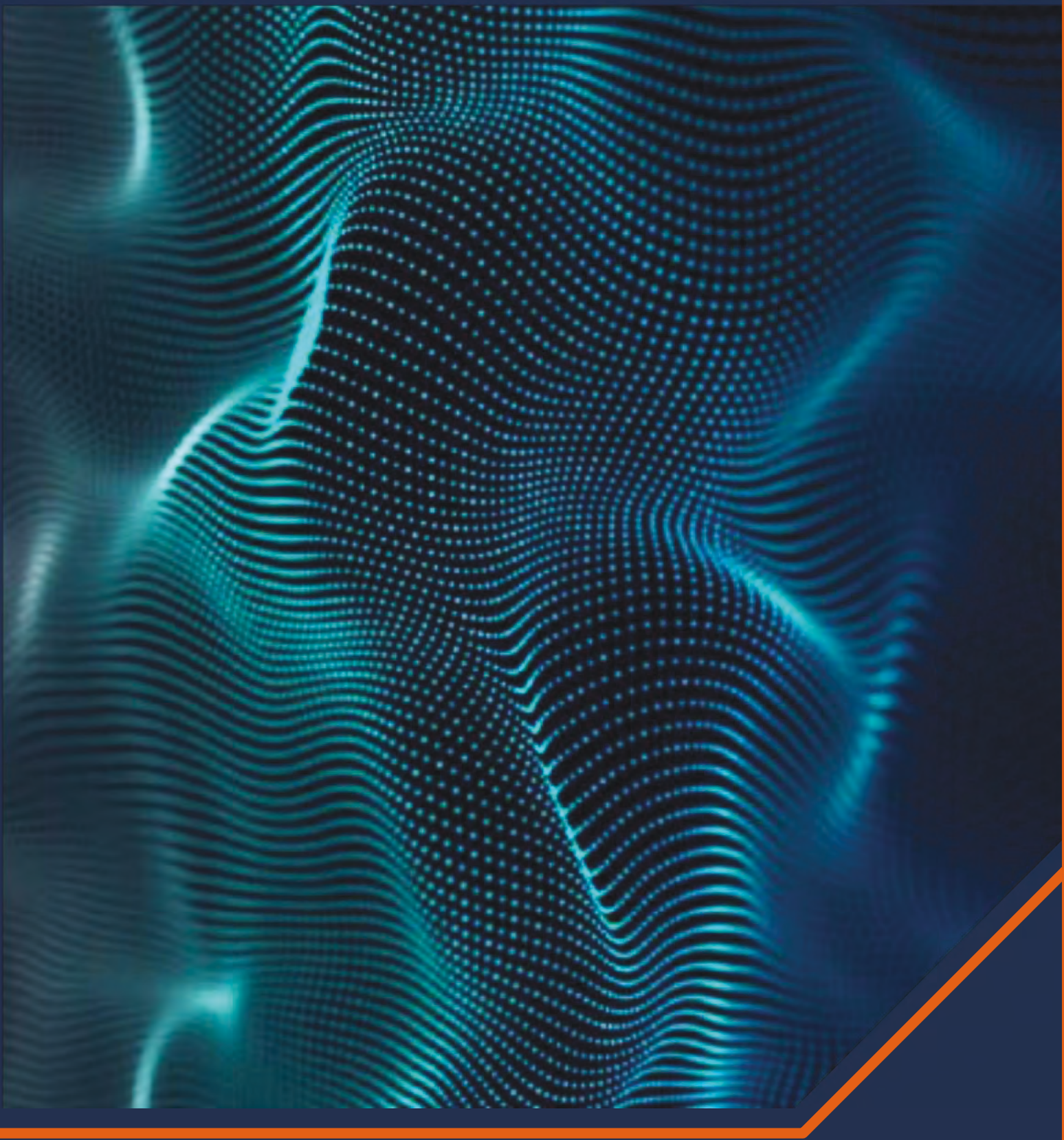
- Data Architecture & Engineering
- Data Platform design and build
- Business Intelligence & Data Visualisation
- Advanced Analytics & Data Science
- Data Integration & Master Data Management
- Data Migration & Transformation
- Real-Time Data & Event Streaming
- Generative AI Implementation & Integration
- Machine Learning Operations (MLOps)
- Natural Language Processing (NLP)
- Intelligent Process Automation (IPA)

Cyber, Security & Organisational Resilience

- Cyber, Security & Organisational Resilience
- Organisational Resilience
- Cyber Security
- Cyber Security Compliance
- Cyber Resilience
- Security Assessment & Audit
- Security Operations & Monitoring
- Identity & Access Management (IAM)
- Data Governance & Privacy

Transformation & Change

- Change Management & User Adoption
- Digital Skills, Training & Capability Building
- Benefits Realisation & Value Management
- Service Transition



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RedRock