

ROKE



Analysis and Experimentation

G Cloud 15
Service Definition

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Analysis and Experimentation – Service Definition

Benefit from a comprehensive range of agile, flexible research and design services that enable organisations to experiment rapidly, test assumptions early and respond decisively to emerging opportunities and threats. Roke's teams combine deep experience with decades of engineering heritage to create evidence through hands-on exploration, iterative prototyping, and rapid cycle experimentation. As a digital first organisation, we leverage cloud technologies, AI and emerging capabilities to trial new concepts, validate ideas, and solve challenges across the most complex and demanding environments.

Our services enable our clients to streamline processes, pre-empt trends and expand their operational capabilities. This results in prudent strategy, greater productivity, reduced costs, and a culture for innovation.

You will benefit from a range of agile research services that can help you improve your situational awareness and capitalise on opportunities. Our services are based on internal expertise and close collaboration with industry, government, and academia. We continuously test our assumptions and rely on best practices to explore new possibilities. Rather than providing one-size-fits-all solutions, we work with each client individually to understand their unique challenges and provide suitable tailored solutions. Our experts will extract valuable insights to help you innovate faster.

Service Offering

- Interactive workshop facilitation
- Assured supply chain management
- Industry and academia collaboration
- Cloud-enabled hackathon facilitation
- Prototyping and experimentation
- Rapidly resourced expert tiger teams
- Innovation training

These services are delivered through an agile and flexible methodology, underpinned by robust assurance to maintain quality and consistency. This is aligned with client priorities, enabling rapid responses to domain

developments. We seek to minimise the bureaucratic overhead, supporting cloud technologies to enable virtual collaboration. Roke combines deep experience in Defence, Law Enforcement, Intelligence and National Security with market-leading technology. We possess specialists across many areas, including Cloud, AI (Artificial Intelligence), Data Science, Cyber, Sensors and Human Science.

Detailed Service Definition

Interactive Workshop Facilitation

We realise that ideation is often challenging, with personnel frequently defaulting to old solutions. Through interactive workshops, we deconstruct issues and apply radical thinking from across domains. Sessions can be held at client sites, Roke's distributed, List-X premises (located in Romsey, Manchester, Gloucester, and Woking) or via cloud-hosted virtual portals.

Assured Supply Chain Management

Through our public-sector experience, we expertly manage complex supply chains. This includes restricted technologies, rare artefacts, and sensitive products. These tried-and-tested processes can support clients in procuring goods in an assured manner.

Industry and Academia Collaboration

Our clients often wish to work with academia to benefit from green-field research and outside

perspectives. Complex commercials and publication requirements can often halt such plans. At Roke, we have established a broad network of university relationships, ranging from PhD sponsorships to project partnerships. With our experience of co-founding several academic centres, we are well-placed to assist in building connections with new clients. Additionally, we collaborate with private-sector firms to provide innovative solutions. Finally, Roke can obfuscate context to allow unclassified researchers to apply their expertise to the most-sensitive challenges.

Hackathon Facilitation

Hackathons offer an energetic environment to generate fresh ideas. Clients need only supply their challenges, with Roke sourcing suitable infrastructure through trusted partners and assembling specialist participants. By crafting prototype solutions, clients can rapidly advance their thinking. Such events can either be virtual or conducted face-to-face.

Prototyping and Experimentation

Institutions must be willing to 'fail fast' through prototyping to innovate rapidly. Roke, with its expertise and technology, can drive such experimentation. Our sites are equipped with simulators, cloud environments, and test labs, making them the perfect locations for this work. We also have strong experience in Agile methodologies including Scrum, Kanban, Lean and Feature Driven Development and the ability to scale this to the programmatic level utilising expertise in SAFe (Scaled Agile Framework) methodology.

Expert Tiger Teams

Our Tiger Teams offer quick surge capacity with various specializations, such as AI, Cloud, Cybersecurity, Sensors, and Human Science experts. We deploy our SC and DV-cleared specialists to customer sites to work closely with clients for smooth teamwork. Otherwise,

technologists can contribute remotely using secure cloud platforms.

Innovation Training

Our innovation training unlocks the creative potential of client workforces. Sessions are designed to challenge orthodoxy, encouraging the development of fresh perspectives. These events, which can be conducted on cloud platforms, establish a productive innovation culture. Our Manor House premises in Romsey also provide an excellent setting for away days.

Key Services

Interactive Workshop Facilitation

- Generate fresh ideas
- Driven by skilled facilitators
- Away days or cloud-hosted sessions

Assured Supply Chain Management

- Identify specialist suppliers
- Source complex goods quickly
- Ensure security and compliance
- Manage service contracts

Industry and Academia Collaboration

- Partner easily with academia
- Outsource sensitive research
- Collaborate with specialist SMEs (Subject Matter Experts)

Hackathon Facilitation

- Experiment with new concepts
- Unlock creative potential
- Cloud facilitates provided
- Supported by domain specialists

Prototyping and Experimentation

- Wireframe quick solutions
- Enhance user design and experience
- Trial solutions through simulations
- Test technologies in shielded labs

Expert Tiger Teams

- Rapidly resource for surge capacity
- Accelerate projects with experts
- Embed or collaborate via cloud

Innovation Training

- Enhance creativity and insight
- Embed innovation cultures
- Disrupt with fresh ideas



Pioneering Technology for Global Security & Future Warfare

At Roke, we stand at the forefront of defence and security, delivering cutting-edge intelligence and engineering solutions that protect nations, troops, borders, critical national infrastructure and businesses. We bring the credibility of a long-standing defence and security leader, the precision of a specialist, and the agility to solve complex, high-stakes challenges with purpose and impact.

Roke is at the forefront of shaping the future of digital defence, intelligence, and national security.

We are Roke. We are Changing Worlds.

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