Capability Statement

acubed.it
Designing Secure Applications

About Us

At Acubed IT, we design and deliver secure, scalable, and innovative technology solutions across the National Security, Defence, and Public Sector ecosystems. Leveraging deep expertise in sensitive domains and cryptography, we are advancing the future of secure application development.

At a Glance:

- All staff hold SC/DV level National Security Vetting
- Deep-tech team with real-world defence project experience
- Active collaborations with UK Government, Defence Primes and Academia

What We Do

1. Design & Build Secure Applications for National Security & Defence

- Utilising the Cross Domain Hybrid Application (CDHA) Framework
- Applications hosted in OFFICIAL and SECRET+ domains
- GDS-compliant applications for classified environments
- Custom secure Case Management tools

2. Collaborations with Defence Primes

- Multi-tenant collaboration platforms for SECRET environments
- Cross Domain workflow tools across OFFICIAL and SECRET
- High Assurance Gateway (HAG) integration
- Secure document sharing at SECRET+ classifications

3. Post-Quantum Cryptography Risk Assessment (PQC-RA)

- An advanced tool for identifying risks in existing cryptographic systems
- Provides expert guidance for migrating to PQC-resilient cryptography
- Ensures alignment with NIST and NCSC standards

4. Research & Development (R&D)

- **Cross Domain Hybrid Applications (CDHA)** - developed in collaboration with the National Cyber Security Centre (NCSC)

- **Advanced Cryptography Innovation** - focused on Post-Quantum Cryptography (PQC), including lattice-based schemes, FHE, and MA-ABE; delivered through a Knowledge Transfer Partnership (KTP) with Edinburgh Napier University, supported by Innovate UK

- **Privacy-Aware and Trusted AI with Post Quantum Cryptography and Homomorphic Encryption** - joint research with Edinburgh Napier University

- **AI-Driven Vulnerability Scanning** - identifying flaws in code and applications using advanced AI techniques, in collaboration with Edinburgh Napier University

- **Future Tech for Distributed Storage** - defence-focused research into secure, distributed data storage.

Some of Our Clients & Partners

Foreign, Commonwealth & Development Office

Home Office

Cabinet Office

Department for Business, Energy & Industrial Strategy

Government Property Agency

HM Revenue & Customs

Ministry of Defence

METROPOLITAN POLICE

Telefónica Tech

#becrypt

Certifications & Accreditations

Citation ISO Certification — Information security management — ISO 27001: 2022 — REGISTERED
Certificate No:448902024

Citation ISO Certification — Quality management — ISO 9001 — REGISTERED
Certificate No:448902024

CYBER ESSENTIALS CERTIFIED PLUS

IASME CYBER ASSURANCE — CERTIFIED LEVEL TWO

QUALITY PRINCIPLES CERTIFIED

JOSCAR REGISTERED

Crown Commercial Service Supplier

National Cyber Security Centre For Startups Alumni

Assured Services Provider — in association with National Cyber Security Centre — Cyber Advisor (Cyber Essentials)

CYBER RUNWAY SCALE ALUMNI

Contact Us

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