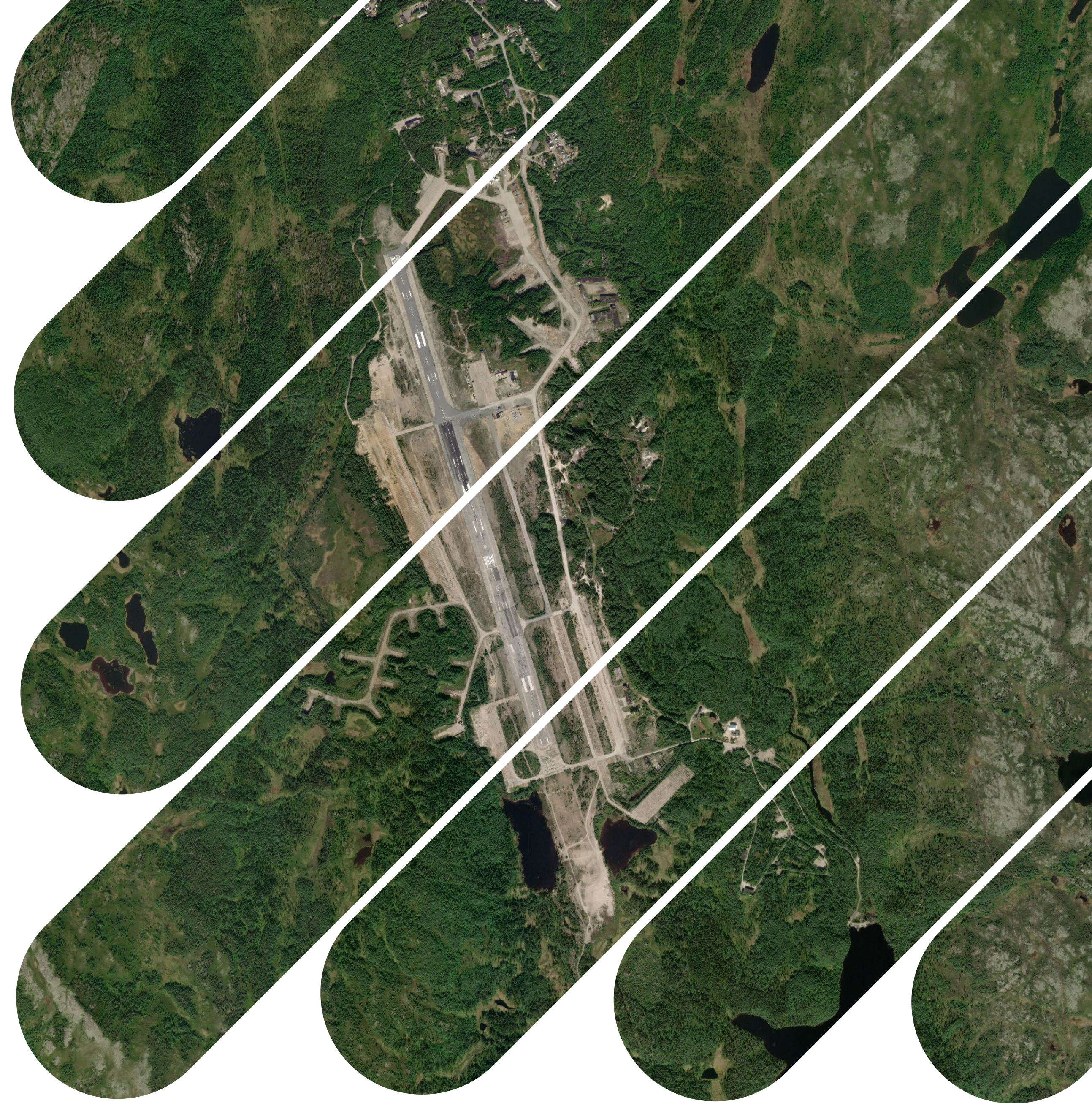




GTK 2.0

the future of
geospatial
intelligence

The GEOINT Tool Kit (GTK) 2.0 is a bespoke, scalable and secure ecosystem designed to provide rapid insights and answers to your questions





THE CHALLENGE

Too Much Data, Too Little Time

ISR platforms now generate terabytes of imagery every day. Analysts cannot keep pace. Manual workflows mean insights often arrive too late, costing operational advantage.

Calendar

2025

Defence ISR workloads have grown by 400% in just 5 years

% of collected imagery that is never exploited



% of analysts report time pressure as their #1 challenge





→ Our Solution

GTK 2.0 is a lightweight, deployable platform that transforms geospatial data into rapid, actionable intelligence — anywhere, anytime.

1

RAPID INGESTION & CATALOGUING

GTK 2.0 ingests over 200 raster and vector formats at speeds exceeding 8GB per second. Even very large imagery files are catalogued and tagged instantly, allowing analysts to search, retrieve, and act on collections in minutes rather than hours.

2

AUTOMATED OBJECT RECOGNITION

The OCULUS module delivers near-instant detection of 26+ object types, from aircraft to maritime vessels, with analyst-in-the-loop validation. This accelerates workflows, reduces repetitive tasks, and ensures scarce GEOINT specialists focus on interpretation and decision support.

3

DESIGNED FOR THE TACTICAL EDGE

Unlike enterprise systems, GTK is built for disconnected, classified environments. It runs securely on laptops, VMs, or MODNET infrastructure, enabling exploitation at the tactical edge while seamlessly integrating outputs with Palantir, ArcGIS, and other Defence platforms.



WHY ITS DIFFERENT

Why GEOINT Tool Kit Stands Apart

GTK 2.0 bridges the gap between enterprise platforms and tactical needs, delivering speed, flexibility, and resilience unmatched in Defence GEOINT.

Ready to Demo 2.0

Q1 2026

GTK 2.0

Ideal for Defence Analysts

HYBRID

OPERATIONS

Speed

Ingests 8.6GB/sec and recognises 26 object types in 0.159 seconds — minutes become seconds.

Scalability

Runs from a single laptop to enterprise data centres, scaling linearly across threads and virtual machines.

Integration

Seamlessly exports to Palantir, Esri and classified repositories, and fits existing analyst workflows.

Resilience

Built for disconnected operations, delivering full exploitation without reliance on cloud or bandwidth-heavy platforms.

Security

Every record carries classification and metadata, ensuring assured handling across sensitive environments.

Proven

Piloted with MoD NCGI — cut tasks from 3–4 hours to under 15 minutes.



Market Opportunity

1

Defence & Security

Global ISR exploitation demand is growing rapidly; UK MoD, NATO, and partner nations all require faster, scalable GEOINT solutions.

2

Government & Homeland

Border security, counter-terrorism, and civil contingency agencies need real-time geospatial awareness for monitoring and rapid response.

3

Commercial & Industry

Energy, insurance, and critical infrastructure sectors depend on geospatial data for safety, compliance, and risk assessment.

4

Export Potential

UK sovereign capability creates strong export pathways; allied governments and NATO frameworks represent multi-million-pound opportunities

CASE STUDIES

Strategic Fit with Defence and Security Needs

GTK directly addresses the most pressing challenges facing Defence, government, and homeland security users.

**The year intelligence workflows must
move at operational speed**

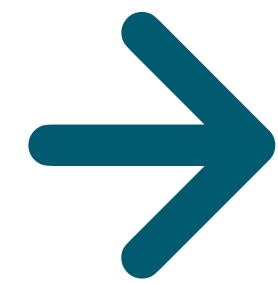
2025

In a world where ~80% of collected imagery is never exploited, GTK 2.0 turns data overload into decisive advantage, delivering intelligence in minutes, even in disconnected operations.

GEOINT Tool Kit 2.0 empowers Defence and Security users to break free from slow, manual workflows. Instead of spending hours trawling through terabytes of ISR data, analysts can catalogue, search, and exploit imagery almost instantly. The result is faster decision-making, sharper situational awareness, and a decisive edge in operations where time is everything.

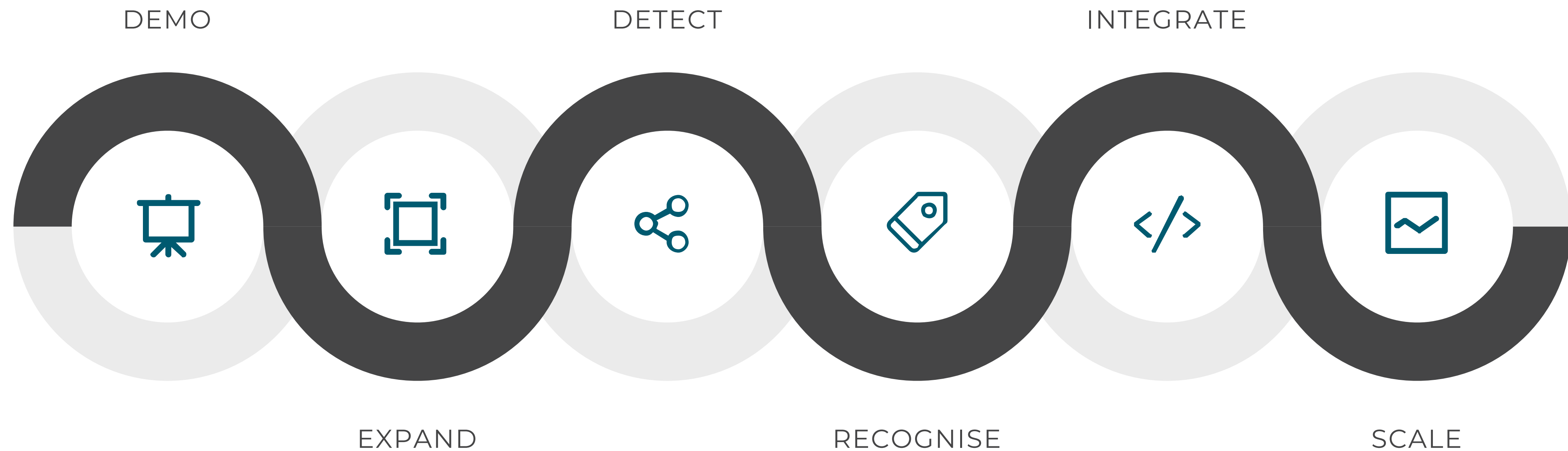
Unlike heavy enterprise platforms that assume reliable connectivity, GTK was built for the realities of deployed operations. It runs securely on a laptop in theatre, scales across virtualised environments, and connects seamlessly back into Palantir, Esri and other workflows. This makes it equally valuable at the tactical edge and at the enterprise level.

Most importantly, GTK doesn't just process data — it multiplies the impact of scarce GEOINT analysts. By automating repetitive exploitation tasks, the system frees specialists to focus on interpretation and judgement, increasing workforce effectiveness without increasing headcount. This delivers cost savings, resilience, and lasting operational value to Defence and Security users.



Roadmap to Operational Advantage

GEOINT Tool Kit 2.0 is already proven in pilot use and ready to demo today. Over the next 12 months, our focus is on scaling ingestion performance, expanding the object library, and delivering automated change detection to bring the capability to cutting edge. Beyond this, GTK will evolve into a multi-intelligence exploitation engine, adding activity recognition, semantic search, and cloud-edge hybrid modes that extend operational reach. Longer term, we see commercialisation across Defence, Government, and international markets, ensuring the UK maintains sovereign control of a critical capability while opening new economic opportunities. This roadmap is ambitious but achievable, with each stage delivering measurable gains to Defence users and clear pathways to export growth.



2019

V1.0 MVP & PILOT

Initial MVP developed and piloted with UK MoD's National Centre for Geospatial Intelligence, proving ingestion, cataloguing, and automated exploitation.

2024

V2.0 PLANNING

Requirements refined with Defence stakeholders, roadmap defined for expanded object libraries, change detection, activity recognition, and improved user interface.



2026

V2.0 MVP

Next-generation GEOINT Tool Kit deployed for pilot evaluation, integrating multi-INT fusion, semantic search, and disconnected cloud-edge hybrid operations.

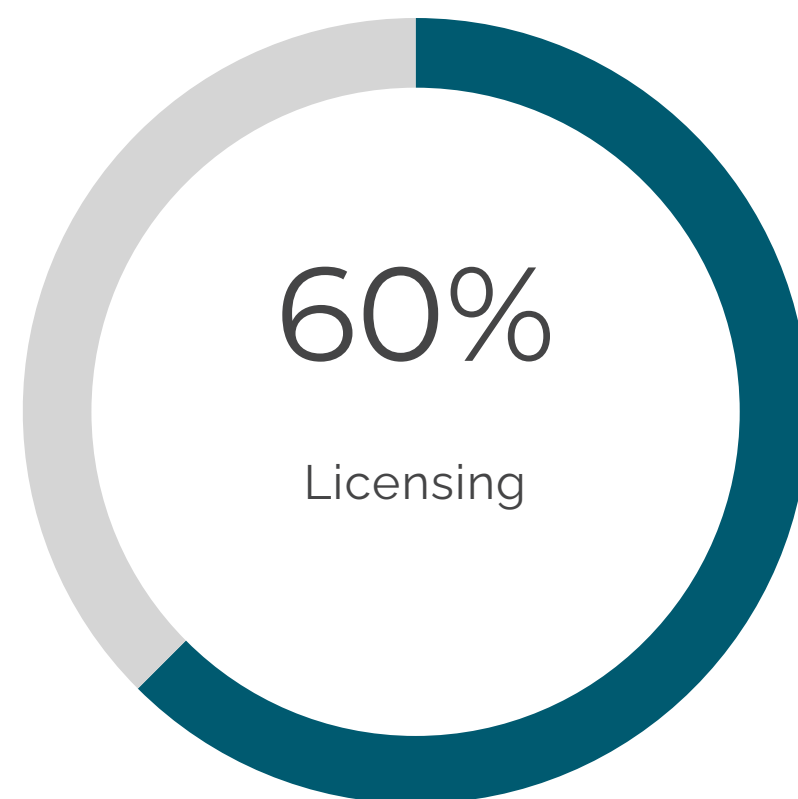
2022

V1.5

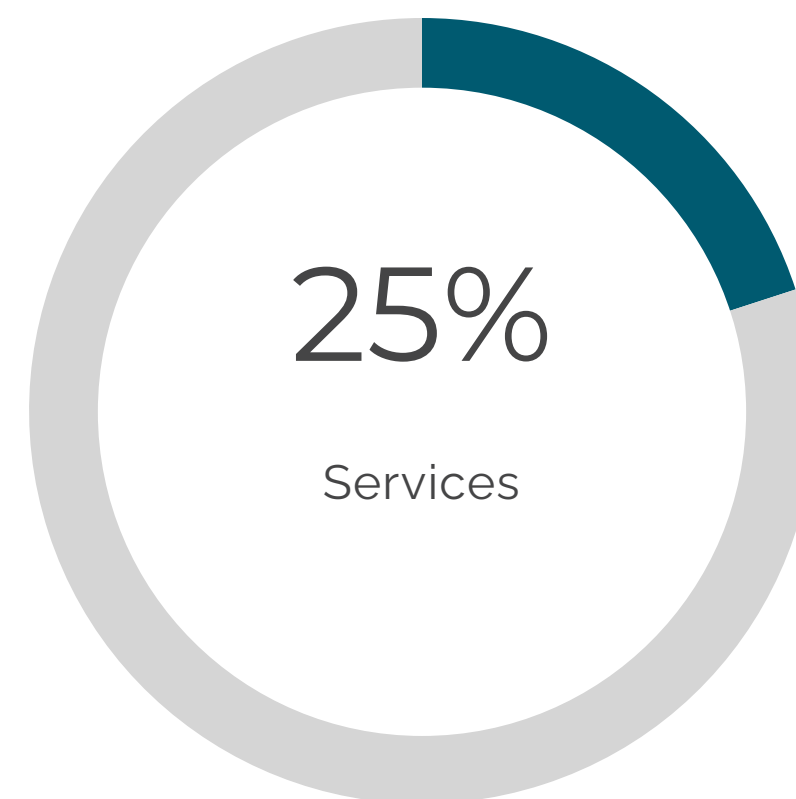
Enhanced ingestion engine and caching introduced, supporting 200+ file types and delivering measurable productivity gains across pilot analyst workflows.

The Business Model

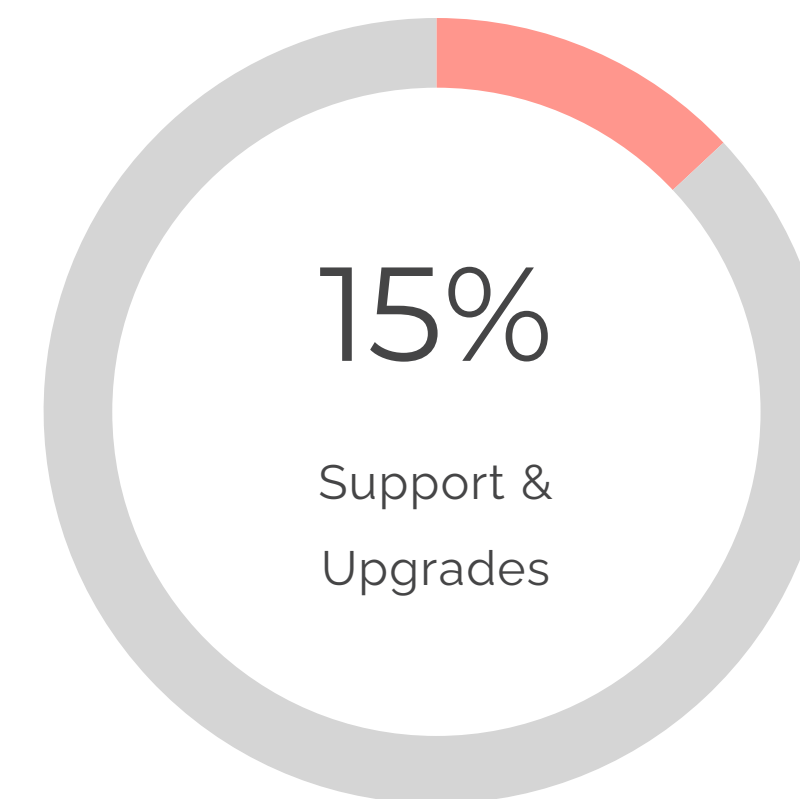
GEOINT Tool Kit 2.0 is designed to be commercially sustainable, balancing Defence adoption with export potential and dual-use applications. Our model combines licensing for Defence and government users, tailored services for integration and training, and long-term support contracts. This ensures predictable recurring revenue, scalable delivery, and alignment with sovereign UK capability priorities.



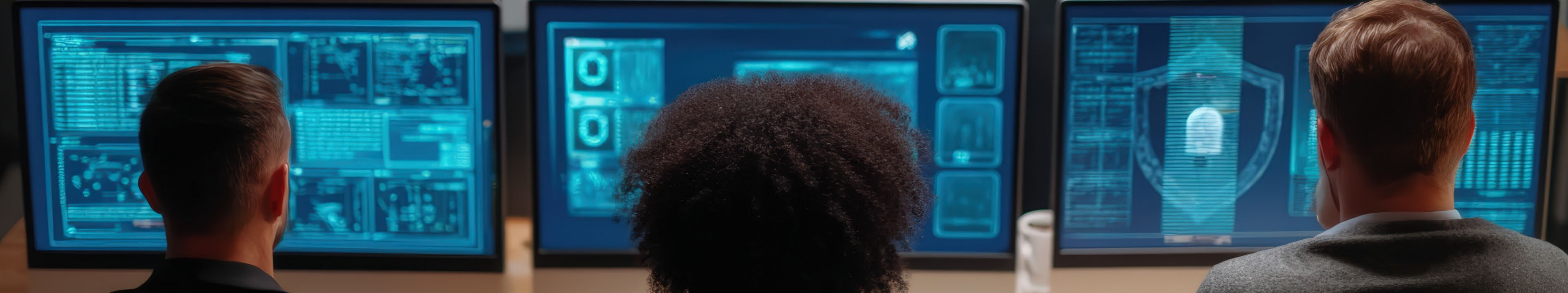
Recurring annual licences for Defence, government, and allied customers, ensuring sustained revenue while maintaining control of sovereign technology.



Integration, connectors, training, and customisation delivered as service packages, enabling rapid adoption and operational embedding within customer environments.



Ongoing maintenance, secure updates, and modular capability enhancements provided via support contracts, ensuring resilience and long-term value.



Our Software Delivery Team

A highly skilled, cleared UK team delivering mission-grade software, geospatial intelligence solutions, and AI-driven innovation for Defence.

1

Proven Defence Delivery

Track record of deploying secure, operational systems into MOD and NATO environments, supporting mission-critical decision-making under pressure.

3

Technical Expertise

Deep knowledge in C#, .NET, AI/ML pipelines, and geospatial standards (NITF, GDAL/OGR, Esri), ensuring cutting-edge capability delivery.

2

Secure by Design

Experience building software for classified networks, secure DevOps pipelines, and resilient architectures suited to disconnected and contested environments.

4

Sovereign Capability

A UK-based, cleared workforce ensuring independence, security assurance, and sovereign control of critical GEOINT capabilities for Defence and Government.



From Data Overload to Decisive Advantage

GEOINT Tool Kit is ready to deploy today, proven in operational pilots and aligned with Defence and Government priorities. We are seeking the right partners, customers, and investors to integrate, scale, and commercialise this sovereign UK capability. Together, we can transform how geospatial intelligence is exploited — faster, smarter, and more resilient than ever before.



Integration Partners

Work with us to embed GTK seamlessly.



Defence & Government Customers

Adopt sovereign capability for critical intelligence advantage.



Commercial Applications

Apply GEOINT workflows to industry and security.



Investors & Growth

Accelerate development, scaling, and global commercialisation.





FINANCIALS

INVESTMENT & FUNDING

We're actively seeking investment and strategic funding to accelerate GEOINT Tool Kit's roadmap and scale deployments across Defence, Government, and industry. If you're interested in partnering or exploring funding opportunities, please reach out via email at **contact@aicuk.ltd** to start the conversation.

Let's Work Together

Whether you're in Defence, Government, or industry, we're ready to collaborate. Get in touch and let's start shaping the future of GEOINT.



+44 (0) 20 8178 5350



CONTACT@AICUK.LTD



[HTTPS://AICUK.LTD](https://aicuk.ltd)