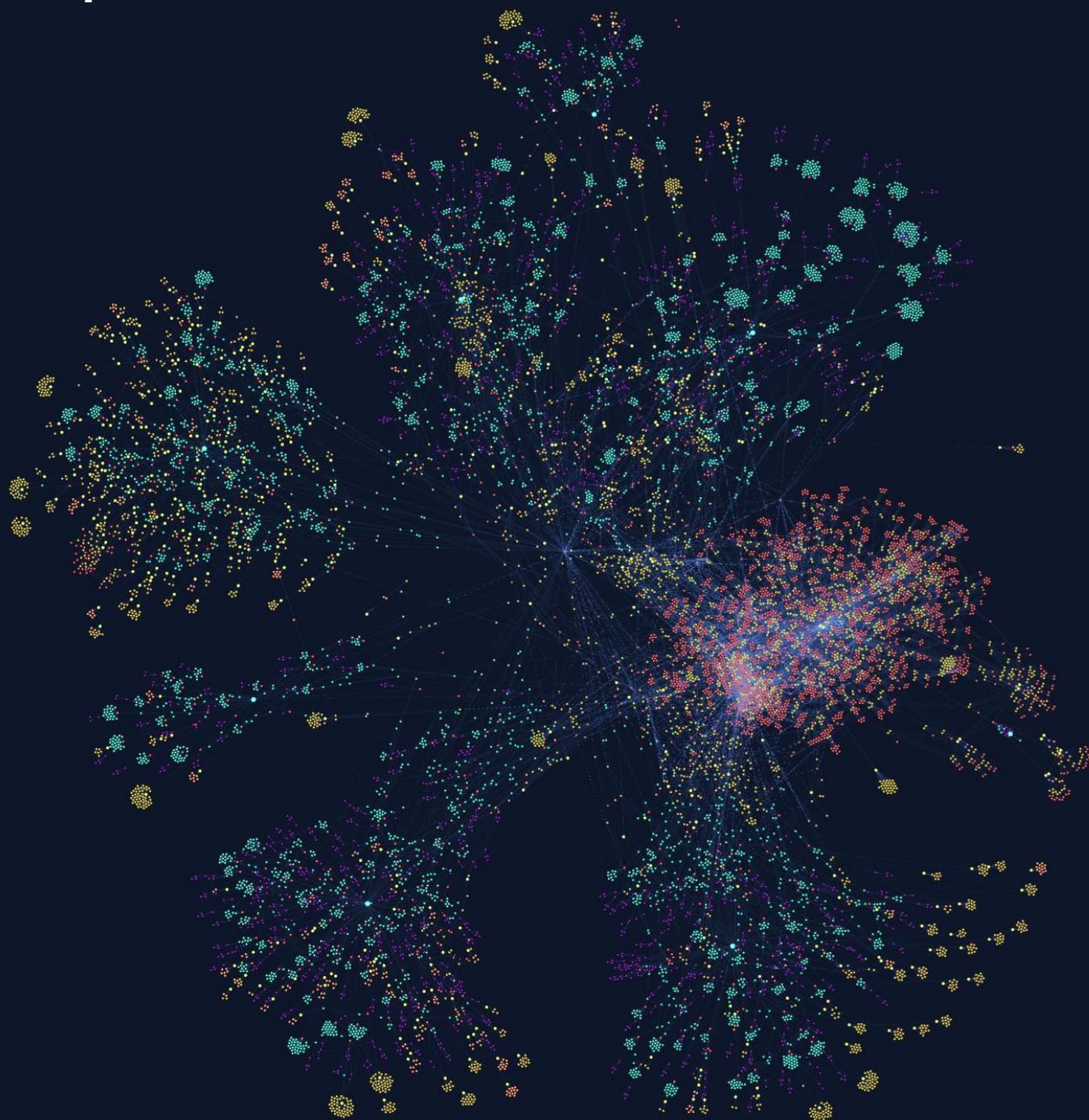


# Squad AI



Squad AI Service Definition Document

Prepared for: G-CLOUD 15 Framework

**Squadron Platform Overview** Squadron is a deterministic AI platform using Active Inference Model (AIM) to bridge knowledge graphs and local LLMs. Built for secure, air-gapped environments, it treats workflows as structured memory—executable knowledge graphs detecting gaps before reasoning. Unlike reactive chatbots, it employs "Graph Learns, LLM Executes" architecture to minimise uncertainty and improve via interaction without retraining.

Engineered for precision in regulated sectors, Squadron delivers constrained AI with 99% accuracy against a human in complex automation (e.g., safety case management from 4 months to 4 hours).

**Key features:**

- **Constrained Query Response:** Answers within customer policies.
- **Explainable AI:** Transparent reasoning and sourcing.
- **Advanced Technologies:** Multi-agent architecture, knowledge graphs, Bayesian inference, NLP.
- **Modules:** Scalable for search, automation, analytics.
- **Deployment:** UK sovereign, audit trails, three-month rollout.

**Squad AI Professional Services Overview** Squad AI provides dedicated resources like applied AI engineers and architects for onboarding and high-value outcomes on Squadron.

**Squad AI Professional Services** (one or both team types, dedicated to customer):

- **Implementation Services:** Dedicated engineers deliver onboarding and automation. Leverage platform expertise for regulated processes.
- **Platform Enablement Services:** Teams train users, enable self-serve, drive adoption, support change, establish internal trainers.

## Squad AI Advantages over LLMs and Agentic AI

| Area                  | LLM/Agentic AI                                                                                            | Squad AI (Squadron platform)                                                                                                                      |
|-----------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose               | General-purpose text generators built for open productivity and creative tasks.                           | Purpose-built platform for <b>structured, policy-bound automation</b> in safety, quality, procurement, and engineering.                           |
| Workflow Fit          | Operates outside business processes — relies on manual prompting and disconnected APIs.                   | <b>Embedded automation</b> inside existing workflows; executes steps, captures approvals, and logs every action in the audit trail.               |
| Accuracy & Structure  | Produces fluent text but no understanding of data structure, templates, or inter-document logic.          | <b>Understands structure and rules.</b> Populates controlled templates accurately, linking claims, evidence, and approvals.                       |
| Policy & Compliance   | Ignores organisational policy, process logic, and safety standards (e.g. JSPs, ALARP, internal guidance). | <b>Compliant by design.</b> Every output is aligned with policy, process, and guideline requirements.                                             |
| Learning & Context    | Forgets context after each session; no persistent organisational memory.                                  | <b>Persistent knowledge-graph memory</b> that learns from use, improves accuracy, and preserves institutional knowledge.                          |
| Trust & Transparency  | Black-box reasoning — can't explain or justify its outputs.                                               | <b>Transparent and auditable reasoning</b> with full human-in-the-loop oversight; every decision is explainable.                                  |
| Sovereignty & Control | Even on-prem variants depend on third-party models, updates, and governance.                              | <b>Fully sovereign and self-contained.</b> All data, models, and logic are under client control; deployable in air-gapped or classified networks. |
| Assurance Outcome     | Uses probabilistic reasoning to generate the schedule, rather than structured data.                       | <b>Automates the Safety Case itself</b> — linking evidence, reasoning, and policy to produce regulator-ready, defensible artefacts.               |

# Squad AI Customer Success Overview

## Target Users:

Ideal for sectors such as Government, Aerospace & Defence, Finance, Healthcare, and Logistics, where precision, data security, and compliance are crucial.

### Case study output 1: Safety Case Automation

- 4% more accurate than a 4x human review (our 90% to their 86%)
- 4 months to 4 hours (720x faster)
- Only requires a 27b LLM (~66x smaller than GPT 5)

### Case study output 2: Document Processing Automation

- Reduced task processing time by 98%
- Achieved 99% accuracy
- Reallocation of FTE to accelerate other areas of the business

### Case study output 3: Search Automation

- Reduced token usage + cost by 60%
- 98% retrieval accuracy
- 98% retrieval accuracy

## Deployment and Customer Support

### Deployment Options:

- On-Premises Delivery: The platform is available for purchase as an on-premises solution, giving clients full control over their data and system management.
- Cloud Delivery: For clients preferring a traditional SaaS model, The platform can be hosted with any cloud provider (e.g. AWS, Azure etc), with all associated maintenance and scalability managed by our team.

### Service Availability:

- 24/7 Operation: Guarantees high reliability and constant service availability.
- Extended Support Hours: Access to a dedicated team of AI specialists from 09:00am to 5:00PM GMT, with emergency support.

### Technical and Compliance Details:

- Regulatory Compliance: Ensures compliance with international data protection regulations, including GDPR.
- Secure Data Practices: Implements end-to-end encryption and sophisticated threat detection systems.

### Support and Maintenance:

- Generative AI: Proactively creates data models and anticipates needs to propose effective solutions.
- Self-Reinforcement Learning: Continually adapts and optimises based on interaction feedback.

**Service Management Approach:**

Performance Metrics: Employs advanced metrics for ongoing performance evaluation and enhancement.

**Documentation and Resources:**

- Comprehensive Documentation: Detailed manuals and a dynamic online resource library.
- Interactive Learning Tools: Customisable training modules designed to accommodate various user proficiency levels.

**Service Terms**

Refer to the Terms and Conditions document on the Squad AI catalogue entry webpage.

**Pricing**

Refer to the Pricing document on the Squad AI catalogue entry webpage