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Drone as a First Responder

G-Cloud 15 Service Definition

Lot 1a: Infrastructure as a Service (IaaS) and Platform as a Service (PaaS)

Drone as a First Responder

Service Description

Rowden's autonomous drone response service delivers real-time aerial intelligence within minutes. It streams live video, telemetry, and sensor data into TAK, CAD, and command-and-control platforms. Using secure cloud orchestration and automated workflows, it supports hazard assessment, smarter resource allocation, and improved responder and public safety across single or multi-agency operations.

Features

- Secure drone and device onboarding with remote configuration and updates.
- Live fleet inventory tracking drones, batteries, payloads across full lifecycle.
- Real-time dashboards visualise drone video, telemetry, locations, and flight paths.
- Automated mission alerts trigger dispatch, escalation, and safety monitoring.
- Incident dashboards integrate drone video, telemetry, maps, responders, and C2.
- Historical flight data enables playback, analytics, and mission data export.
- Decision support detects hazards and recommends optimal drone deployment patterns.
- Standards-based APIs integrate drones with TAK, CAD, and C2 platforms.
- Role-based security protects video, telemetry, control data, and audit logs.
- Configurable missions, geofences, alerts support secure multi-agency operations.