

Incident Mitigation Playbook - Atmospheric Filtration Drone Swarm

This playbook outlines tiered responses to field incidents, including drone faults, airborne contamination spikes, human proximity risks, swarm desyncs, and off-grid overrides. All responses are pre-scripted into DAO logic or field manuals.

Tier 1 Low Risk

- Example: minor sensor deviation, single unit battery alert
- Action: log to DAO, notify shift lead, flag drone for next rotation

Tier 2 Moderate Risk

- Example: mid-air desync of 13 drones, or moderate VOC surge
- Action: trigger sync-pulse or land drones safely for manual patch
- DAO flag: mid-priority swarm alert + advisory issued

Tier 3 High Risk

- Example: power failure, crash risk, cluster desync, emergency air readings
- Action: emergency landing of full swarm or sector lockout
- DAO flag: immediate override + red alert status with incident log

Escalation Protocols

- DAO alerts routed to Safety Officer + DAO Admin (1 min SLA)
- Emergency override QR available on drone bellyplate
- Public contact line auto-activated if in populated zone

Post-Incident Procedure

- Complete `deployment-incident-template` on-site
- DAO logs swarm logs, incident hash, and crew roster
- Optional public disclosure if Tier 23 (see protocol)