

Crew Rota and Shift Planning - Atmospheric Filtration Drone Swarm

This document provides a flexible crew scheduling and rotation template for managing drone swarm deployments. It ensures 24/7 coverage, fatigue prevention, and full redundancy during high-intensity operations or disaster relief.

Standard Shift Structure

- 3 shifts per day (morning, afternoon, overnight)
- 8-hour shift blocks with 2x15 min breaks + 1x30 min meal
- 2-day-on / 1-day-off baseline rotation
- Night shifts rotate weekly to avoid burnout

Crew Roles Per Shift

- 1x Swarm Flight Lead
- 2x Field Maintenance Techs
- 1x DAO Operations Admin
- 1x Safety Officer or Medic (rotating)

Rota Coordination Tips

- Use shared DAO-linked spreadsheet
- Display digital whiteboard in crew HQ
- All shifts must hand off verbally + leave log update
- Highlight critical gaps 72h in advance

Fatigue Prevention & Coverage

- Max 6 consecutive shifts without break
- Enable standby pool for unplanned coverage
- Use diagnostics to delay launches if under-crewed
- Mark key holidays with auto-reduced duty load