

# Atmospheric Filtration Drone Swarm

## Blueprint Catalog - Fabrication Files Summary

*Note: Some files are simplified prototypes. Hollowing for airflow and mesh cavities is pending CAD-side modification. All files use mm units and STL format.*

### **drone-prototype-v1.stl**

Description: Main drone chassis with propeller arms and base filter housing.

Note: Print-ready prototype.

### **filter-insert-mycelium-v1.stl**

Description: Filter insert designed for mycelium substrate.

Note: Solid version - missing hollow cavity and airflow mesh grid.

### **filter-insert-carbon-v1.stl**

Description: Filter insert for activated carbon pellets or pads.

Note: Solid version - does not include internal hollow volume.

### **filter-chamber-housing.stl**

Description: Outer shell to hold interchangeable filter inserts.

Note: Solid shell - inner cavity placeholder only.

### **prop-arm-module.stl**

Description: Single modular arm with motor mount for quad/hex drone builds.

Note: Print-ready prototype.

### **solar-mount-plate.stl**

Description: Mounting plate for lightweight solar panel with 4 corner tabs.

Note: Print-ready prototype.