

# LOCUST Swarm

## Streamlining Autonomous UAV Command with LOCUST Swarm



At the core of SISU AI lies **LOCUST Swarm**, an advanced UAV-agnostic software component that revolutionizes communication between operators, mission parameters, swarm AI, and multiple UAVs.

Through its intuitive web interface, operators can effortlessly create, control, and observe missions, seamlessly manage multiple UAVs and targets in real time.

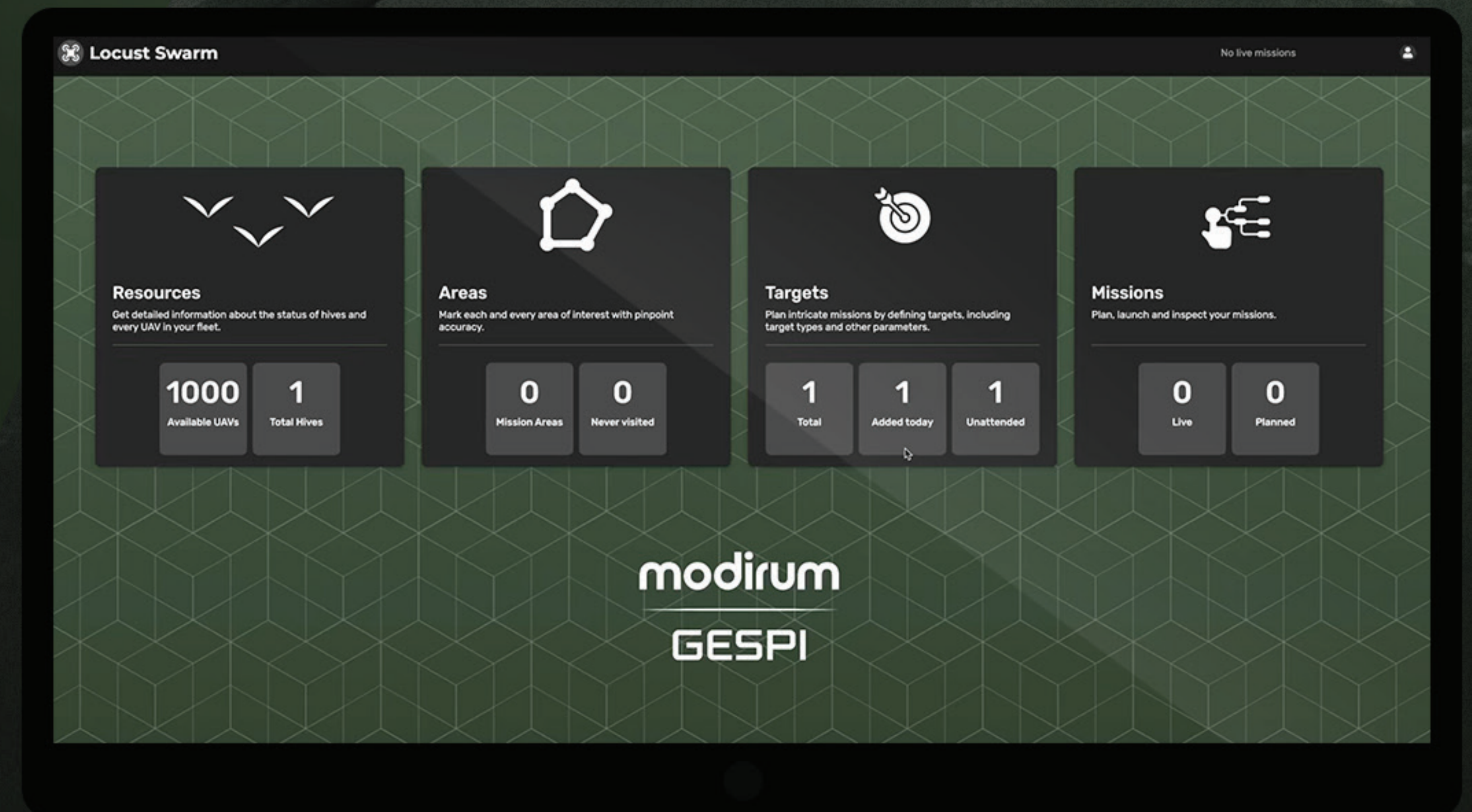
**LOCUST Swarm** supports both automated and manual operational processes, including human-in-the-loop operations. During missions, UAV swarms gather real-time data to enhance both autonomous and supervised processes.

With the ability to add custom mission types as required, **LOCUST Swarm** provides unmatched scalability, versatility and control, enabling coordinated operation of multiple UAVs without numerical limits.



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## KEY FEATURES



### 01 Mission Flexibility

SISU AI currently supports Surveillance and Strike missions, with the capability to expand and incorporate additional mission types as required.

**Surveillance Missions:** Direct the swarm to survey specified areas of interest, ideal for ISR (Intelligence, Surveillance, and Reconnaissance) and BDA (Battle Damage Assessment) purposes.

**Strike Missions:** Command precise payload deliveries to designated targets.

### 02 AI-Powered Decision Making

LOCUST Swarm leverages AI to select the optimal UAV(s) based on mission parameters like weather conditions, flight distance, available sensor requirements, and payload requirements. Swarm AI then controls UAVs during mission lifecycle under operator guidance.

### 03 Dual Application

SISU AI offers exceptional versatility, supporting border security and emergency services by enabling a single operator to manage multiple UAVs with AI-powered recognition.

Ideal for autonomous tasks such as continuous flights, heavy lift, border control, and large-scale emergencies (e.g., forest fires), it is equally well-suited to civilian applications such as environmental monitoring and routine maintenance inspections.

### 04 Intuitive Interface

Designed for ease of use, intuitive interface enables seamless mission planning, target management, and monitoring. It is fast to learn and allows operators to become mission-ready in minimal time.

### 05 UAV Agnostic

Compatible with virtually any UAV platform, providing maximum flexibility across diverse mission scenarios.