L3HARRIS®
FAST. FORWARD.

AMORPHOUS™

Open, scalable and intuitive collaborative autonomy platform that is easy to use across a variety of commercial applications

The scale and complexity of future autonomous missions requires the ability to coordinate thousands of assets in challenging environments through an intuitive command and control (C2) interface. Autonomous Multi-domain Operations Resiliency Platform for Heterogeneous Unmanned Swarms (AMORPHOUS) is an open-architecture advanced platform specifically designed for a single user to command and control collaborative autonomous assets at the scale, complexity and pace needed to provide mission success.

BENEFITS

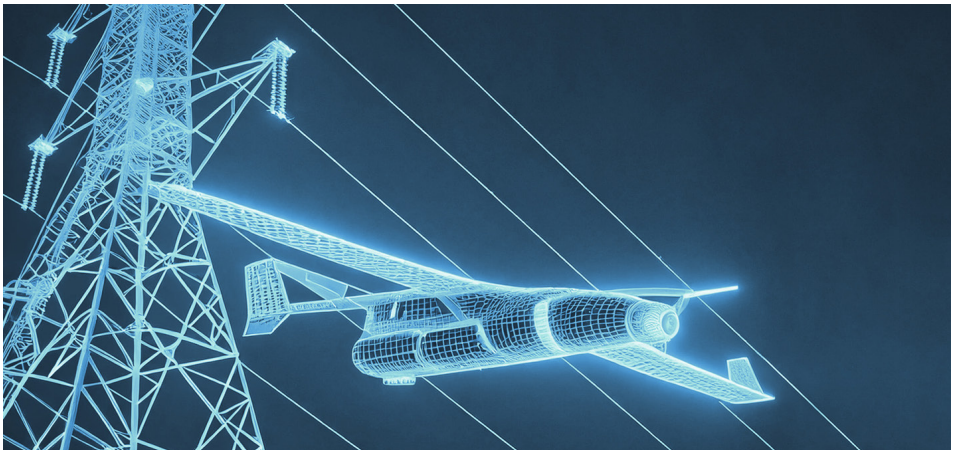
AMORPHOUS facilitates the streamlined setup and operation of large-scale unmanned vehicle fleets across diverse mission profiles. Mission plans can be easily developed and dynamically adjusted based on current situations and even prior outcomes.

INHERENTLY SCALABLE

From small fleets to large-scale operations, AMORPHOUS can seamlessly command and control a vast array of autonomous assets. AMORPHOUS is capable of handling complex and varied business needs by automating the sequencing and execution of routine tasks using a variety of unmanned assets.

INTEROPERABILITY

AMORPHOUS is engineered to be a multi-domain, multi-mission capable platform, designed to operate seamlessly across space, air, land and sea environments. This versatility enables the coordination of heterogeneous unmanned swarms for a wide array of missions, from infrastructure management to industrial security. The system's robust architecture allows for rapid reconfiguration and tasking of assets, ensuring that operators can adapt to diverse mission requirements in real time for mission success.



FEATURES

- Open architecture by design
- Platform and sensor agnostic – easily integrates onto any unmanned platform
- Easy to configure, manage and deploy for a variety of applications
- Removes complexity and cognitive overload
- Intuitive interface only requires a single user to manage hundreds of robots and vehicles
- Distributed operations – command and control from anywhere

OPEN ARCHITECTURE BY DESIGN

AMORPHOUS' open architecture ensures maximum flexibility and interoperability, making it simple to connect different platforms, payloads and systems made by various providers, into mission capable solutions. AMORPHOUS supports rapid integration of algorithms and models from third-party systems to avoid stovepipe solutions and provide the latest cutting-edge technology. AMORPHOUS also has the ability to update and deploy models to ensure it keeps pace with emerging threats.

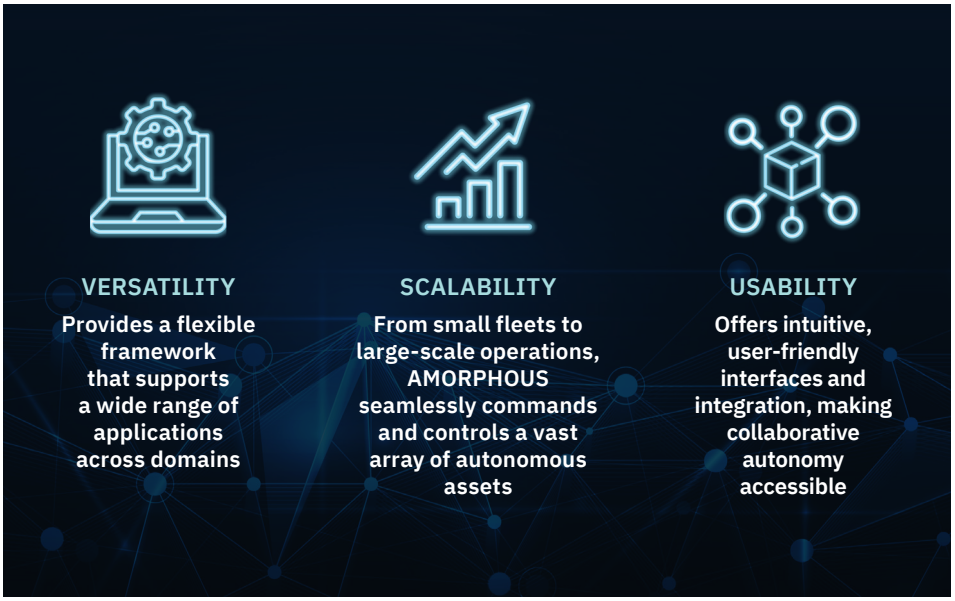
USER FOCUSED

AMORPHOUS offers distributed tasking and control of collaborative vehicles at scale while minimizing cognitive burden. AMORPHOUS provides the necessary tools to command swarms, monitor missions and maintain comprehensive situational awareness all from a single user. Its distributed C2 design enables multiple users to monitor collaborative operations with the ability to hand over control.

AMORPHOUS' user interface is designed to enable human operators to supervise autonomous mission execution effectively. It features an intuitive UI/UX that enhances understanding and decision-making capabilities.

APPLICATIONS

- Search and rescue
- Inspecting, monitoring and securing of infrastructure
- Warehouse robotics
- Autonomous construction, farming and mining
- Delivery robots
- Industrial security
- Entertainment and cinematography
- Environmental monitoring



For more information, please contact:
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AMORPHOUS™ (Commercial)

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