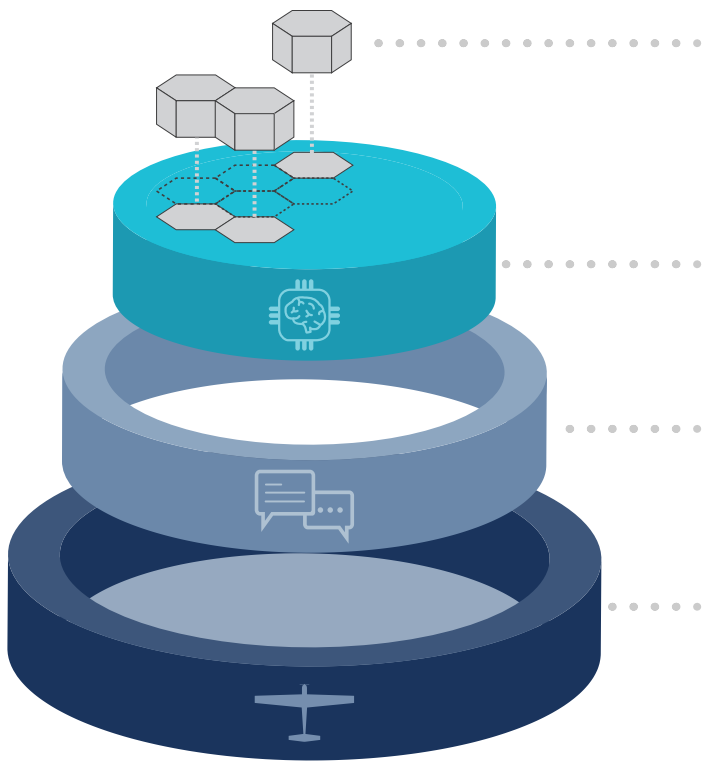




AVACORE is AV's autonomy software which provides an open framework for rapid development and adoption of new AI-enabled autonomous missions for unmanned systems. Featuring a modular set of interfaces such as autopilots, radios, and sensors, AVACORE supports integration with new platforms and applications.



PLUG-INS

- Plug-in interfaces allow alternative waypoint planning, target detection, team behaviors, and other algorithms
- Discovered at run-time to dynamically enhance behaviors

AVACORE

- Executes complex, adaptable missions for single agent or team autonomy
- Missions are defined by behavior trees that can be loaded at run-time, delivering maximum flexibility for users
- Common message definitions provide the canonical data model for adapting specialized platform hardware to mission

BRIDGE

Software interface adapters for each of the platform devices

PLATFORM

Uncrewed Vehicle platform to be enhanced by AVACORE

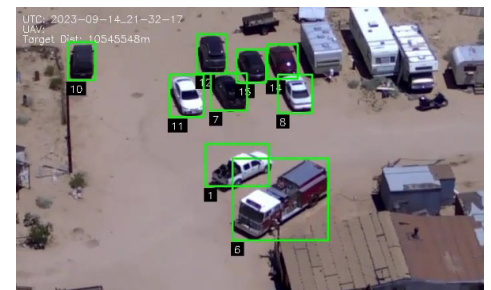
- Autopilots
- Sensors
- Emitters/Designators
- Kinetic Payloads
- Radios
- Drop Mechanisms
- User Interfaces



Features built-in autonomy capabilities plus tools for developing behaviors at the edge



Through AVACORE, ATAK with SPOTR-Edge™ provides multi-agent collaborative autonomy



Modular to support mission specific or third-party AI models