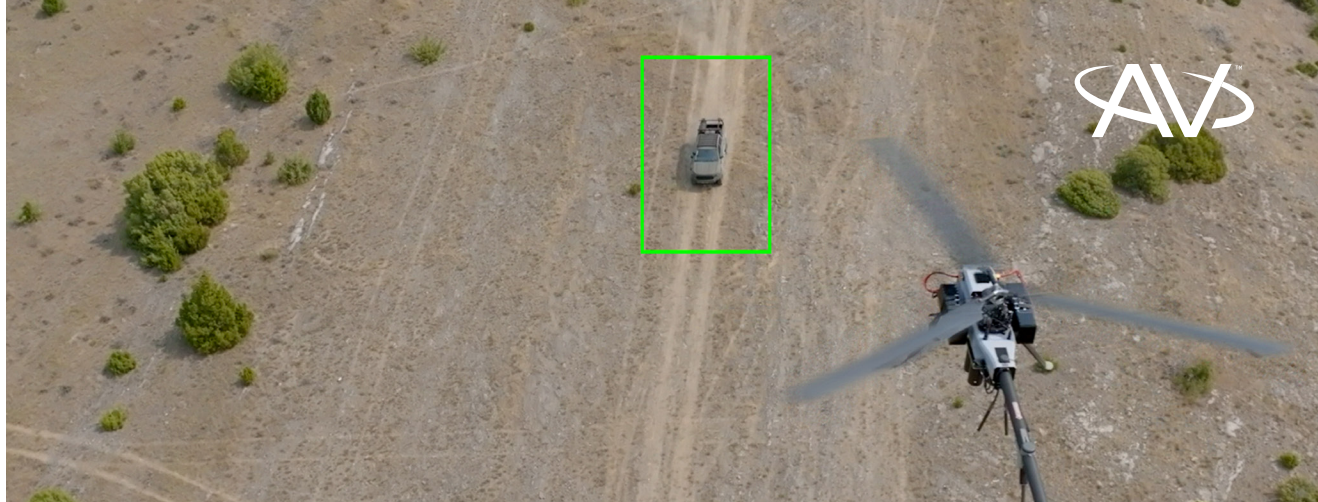
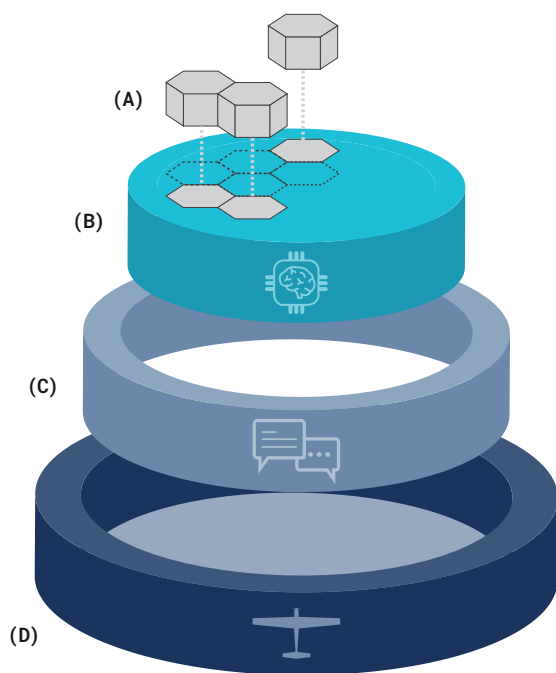


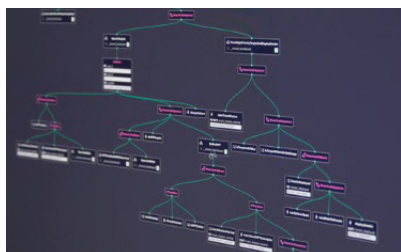
# AVACORE™ AUTONOMY SOFTWARE



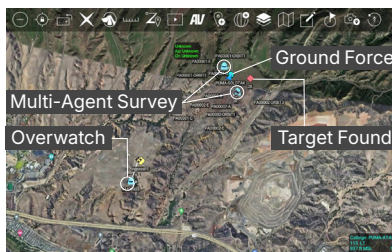
AVACORE is AV's autonomy software which provides an open framework for rapid development and adoption of new AI-enabled autonomous missions for unmanned systems. Featuring a modular set of interfaces such as autopilots, radios, and sensors, AVACORE supports integration with new platforms and applications.



- PLUG-INS (A)**
  - Plug-in interfaces allow alternative waypoint planning, target detection, team behaviors, and other algorithms
  - Discovered at run-time to dynamically enhance behaviors
- AVACORE (B)**
  - 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 (C)**
  - Software interface adapters for each of the platform devices
- PLATFORM (D)**
  - 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