MODULAR DECISION FRAMEWORK

# SRC Modular Decision Framework
## for Counter-UAS Systems

SRC integrates System of Systems (SoS) using multi-domain sensors (radars, optics, electronic warfare, cyber, acoustic) and effectors (electronic warfare, cyber, interceptors, kinetic weapons, directed energy) to detect, identify, and defeat ground, air, and littoral threats. The "magic glue" that rapidly integrates and automates all these complex, multi-domain sensors and effectors is SRC's Modular Decision Framework (MDF).

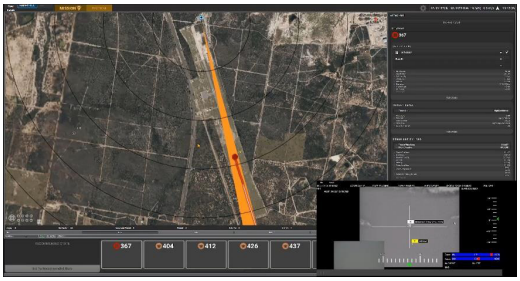
MDF augments and enhances existing command and control (C2) systems by reducing operator load and assisting with the decision-making process. It seamlessly manages sensor and effector resources through automatic sensor cueing, intent/behavior determination, and engagement assessment to address highly complex multi-threat swarms from simultaneous launch points. The multiple sensor inputs are correlated to provide the user with simplified single entity tracks and tactical assessment information.

MDF rapidly integrates and correlates sensor data into a user-friendly interface.

### Quick and Simple Decision Making

MDF employs a circular tactical workflow and architecture to:

- Correlate sensor data to create an integrated surveillance picture
- Automate sensor surveillance
- Determine threat type, behavior and intent automatically
- Deploy effector resources efficiently to defeat incoming threats in highly complex scenarios based on the user's intent through recommended courses of action.



MDF Display Example on SRC's GUI

### Adaptable to the Mission

MDF provides a scalable and affordable solution that can be deployed quickly while easily evolving with advances in threats, tactics and technology. The MDF architecture facilitates the rapid addition and removal of sensors or effectors to tailor the system kit to the mission and platform. This allows for SoS with layered escalation options for automation and neutralization, resulting in optimal performance for detecting and engaging threats with varying level of system inputs.

### You Build It, We'll Integrate It

MDF has been used to integrate a variety of systems from other suppliers to fit customer needs. SRC's experience with the various phenomonologies provides us with unique lessons learned to integrate disparate systems that are not available to traditional integrated air pictures.

**Sensors:**

- 3-D radar
- 2-D radar
- RF sensing and direction finders
- EO/IR cameras
- Acoustics

**Effectors:**

- RF mitigation
- Loitering UAS interceptors
- High power microwave

**C2:**

- Commonly used DoD and Homeland Security command and control interfaces