



## Call for Technology: Electro-Optical Technologies

The Mission Acceleration Center (MAC) is seeking new & emerging solutions in Infrared and Electro-Optical technology. Ideal technologies will automate data collection and analysis activities and enable reconnaissance and surveillance operations. Specific areas of interest include:

**Imaging Systems** – high resolution cameras that can be mounted on various platforms (satellite, aerial, ground) in various conditions to capture images and additional data.

**Optical Sensors** – lidar systems for 3D mapping and hyperspectral sensors capture images across hundreds of narrow spectral bands to allow for detailed analysis, identification, planning and operations.

**Space Surveillance** – sensor technology that provides persistent surveillance capabilities for monitoring activities, capturing real-time data to enhance situational awareness and response capabilities.

**Uncrewed Aerial Vehicles** – UAVs equipped with EO payloads (cameras and sensors) capable of flying at low altitude and providing real-time video feed for analysis.

**Data Analytics and Fusion** – advanced software tools that analyze and fuse data from multiple EO sensors using machine learning algorithms to automate the detection, classification, tracking, and processing of large volumes of data to generate actionable intelligence.

A [Technical Readiness Level](#) (TRL) of 6 or higher is requested.

### Technology Submission Process

There are three ways to submit your technology for consideration:

1. Quad chart (see additional instructions below)
2. Company pitch deck
3. Technology capabilities statement

Please choose the format that works best for you and submit to the SWMAC. Please also include video footage of your technology in action. Submissions can be sent as an email attachment to [solutions@swmac.org](mailto:solutions@swmac.org).



## **QUAD CHART SUBMISSION GUIDELINES**

If you choose to submit a quad chart, please follow the instructions below to ensure that all the information needed by our review team is provided.

### **Top Left Quadrant: Introduction**

- Brief project title or description.
- Overview of the current capabilities.

### **Top Right Quadrant: Key Features or Components**

- Major features and components of the system.
- Bullet points or concise explanation of how your technology satisfies the above requested features/functions.
- Visual representations or icons to aid understanding (if applicable).

### **Bottom Left Quadrant: Company Profile**

- List of current customers (priority to Federal customers)
- Current level of investment in the continued development of technology, including the sources of funding.
- Brief explanation of corporate structure and ownership.

### **Bottom Right Quadrant: Benefits or Impact**

- Positive impact on stakeholders, clients, or users.
- Metrics or data showcasing the value proposition (if available).

## **About the Southwest Mission Acceleration Center**

Located in Phoenix, Arizona, the Southwest MAC is expediting critical technology assets to the warfighter in collaboration with DoD mission partners to address pressing National Security challenges. MAC programming includes critical technology identification & venture creation, lab-to-market commercialization, direct funding, and acquisition navigation support to develop prototypes and offer training and support for entrepreneurs and the tech workforce needed to ensure these startups and our mission partners succeed.