

AI Sensor Technology for Safe Urban Air Mobility

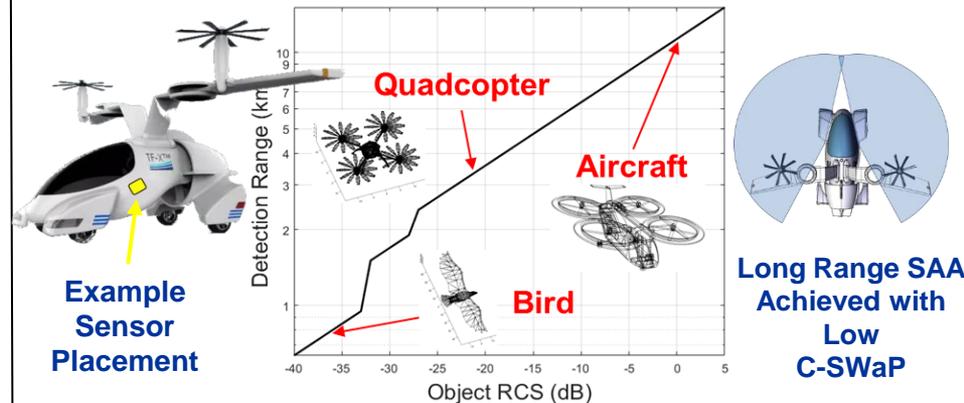
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Picture and more Capability Description



Description

- Sensor technology that enables safe takeoff, landing, navigation, and Sense & Avoid (SAA) flight is paramount for Urban Air Mobility (UAM) and military applications
- Leveraging novel low C-SWaP Radar and processing.
- Integrated AI Radar (AIR) solution addresses UAM safety concerns associated with towers, cables, poles, buildings, birds, aircraft, UAS etc.
- Current Agility Prime STTR Ph I with Sinclair College
- TRL 5+



Requirements and Benefits

- Addresses public safety concerns and compelling need for safe UAM navigation and operations.
- AI Radar benefits include all-weather and low C-SWaP.
 - Leverages COTS Radar and commercial M&S tools, compliments current/emerging air and ground-based SAA technology.
- Seeking STTR Ph II customer and end-user.
 - Mobility, Intelligence, Surveillance, Reconnaissance (ISR), Search & Rescue, Special Operations Forces (SOF), Force Protection, First Responders etc.
- Team with platform OEMs. Matching funds will help secure Ph II.
- Partner with DoD & industry to support Deep Learning (DL) training data and algorithms with our high-fidelity RF M&S tools.

Airspace Management <input type="checkbox"/>	Command & Control <input type="checkbox"/>	Comms <input type="checkbox"/>	Power & Energy Storage <input type="checkbox"/>	Propulsion <input type="checkbox"/>	Sensors & Awareness <input checked="" type="checkbox"/>	Other <input type="checkbox"/>
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