



DHS OATS

AUTONOMOUS VESSEL TRACKING (AVT)

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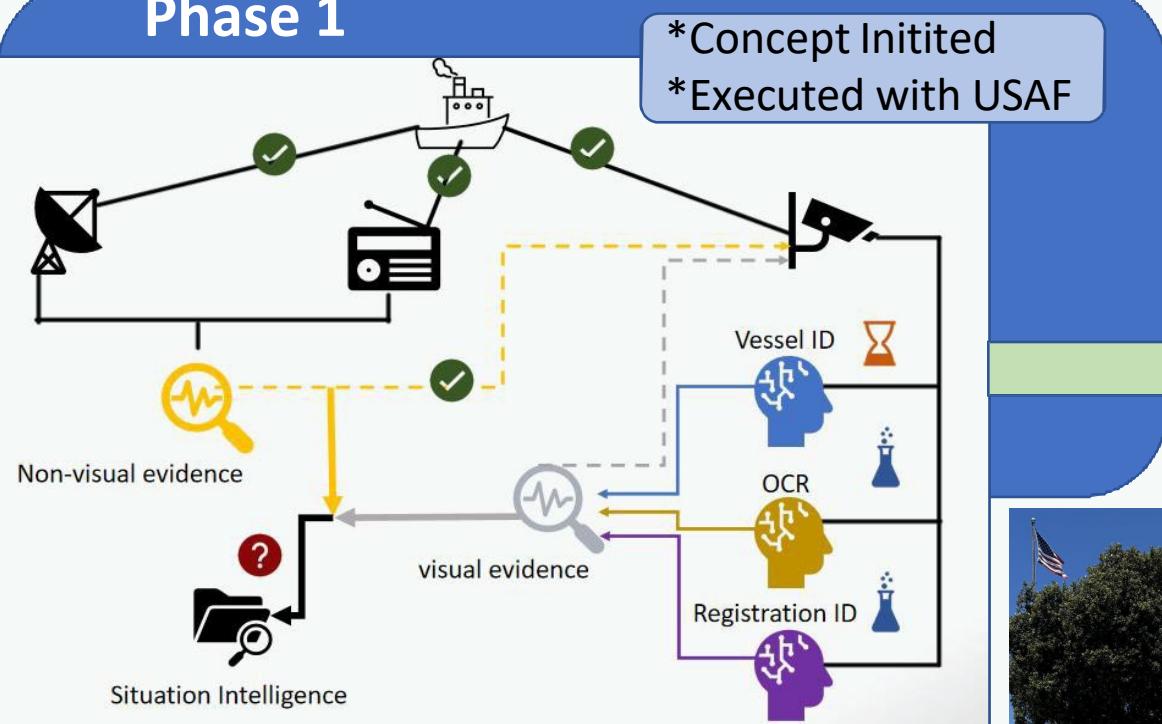
Autonomous Vessel Tracker – Overview

- Project developed under DHS SBIR OATS (Other Agency Technology Solutions)
 - Leverages previous SBIRs a company had with other agencies
 - Entered as Phase 2 with two-year award
 - Finished in September 2024
 - Contractor is Prescient Edge
- Project overview
 - Develop sensor to monitor inlet, port, or waterway
 - Create log of transiting vessels, including date, time, direction, speed, and registration number
 - Capabilities based on feedback from sponsor
 - Sensor is camera based, with radar to provide cueing
 - Hardware is COTS, algorithms previously developed were implemented for this application by Prescient Edge
- Outcome
 - Demonstrate capability that can be tailored to specific needs
 - Inform requirements
 - Provide testbed for future efforts

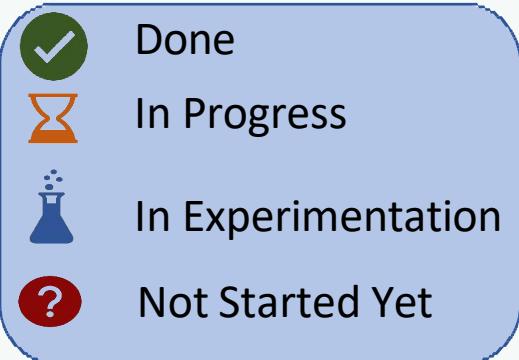
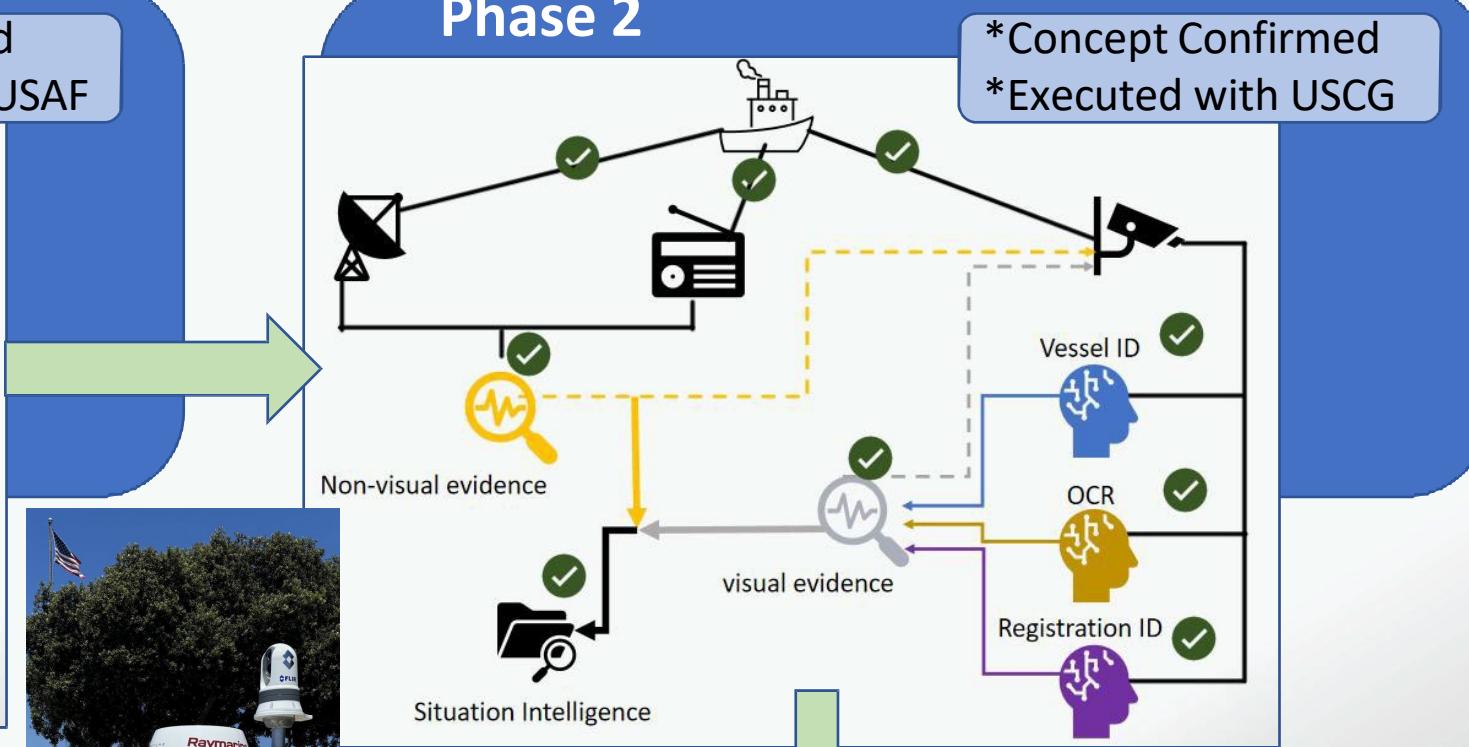


SBIR Process

Phase 1



Phase 2



Phase 3



Concept
Commercialized