



# DHS OATS

## AUTONOMOUS VESSEL TRACKING (AVT)

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# Autonomous Vessel Tracker – Overview

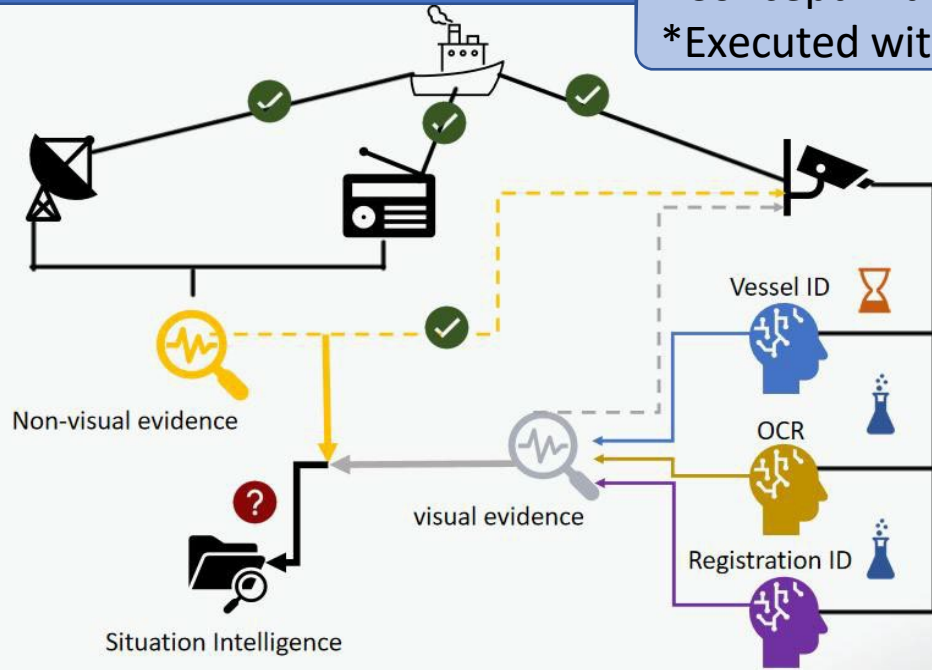
- Project developed under DHS SBIR OATS (Other Agency Technology Solutions)
  - Leverages previous SBIRs a company had with other agencies
  - Entered as Phase 2 with two-year award
  - Finished in September 2024
  - Contractor is Prescient Edge
- Project overview
  - Develop sensor to monitor inlet, 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

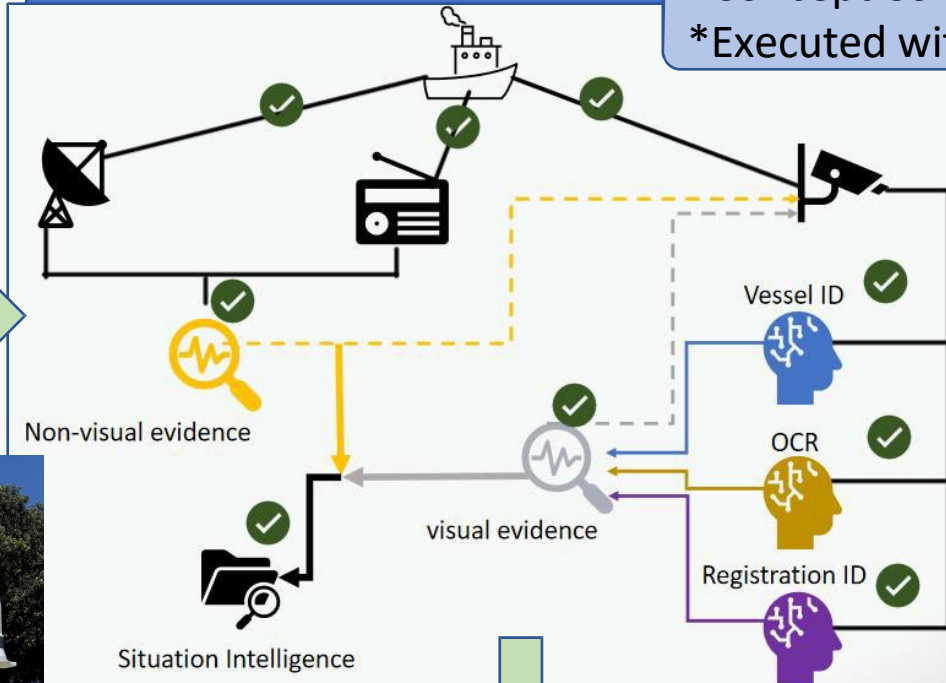
## Phase 1

\*Concept Initiated  
\*Executed with USAF



## Phase 2

\*Concept Confirmed  
\*Executed with USCG



## Phase 3

Concept  
Commercialized



- ✓ Done
- ⌚ In Progress
- 🧪 In Experimentation
- ❓ Not Started Yet

