

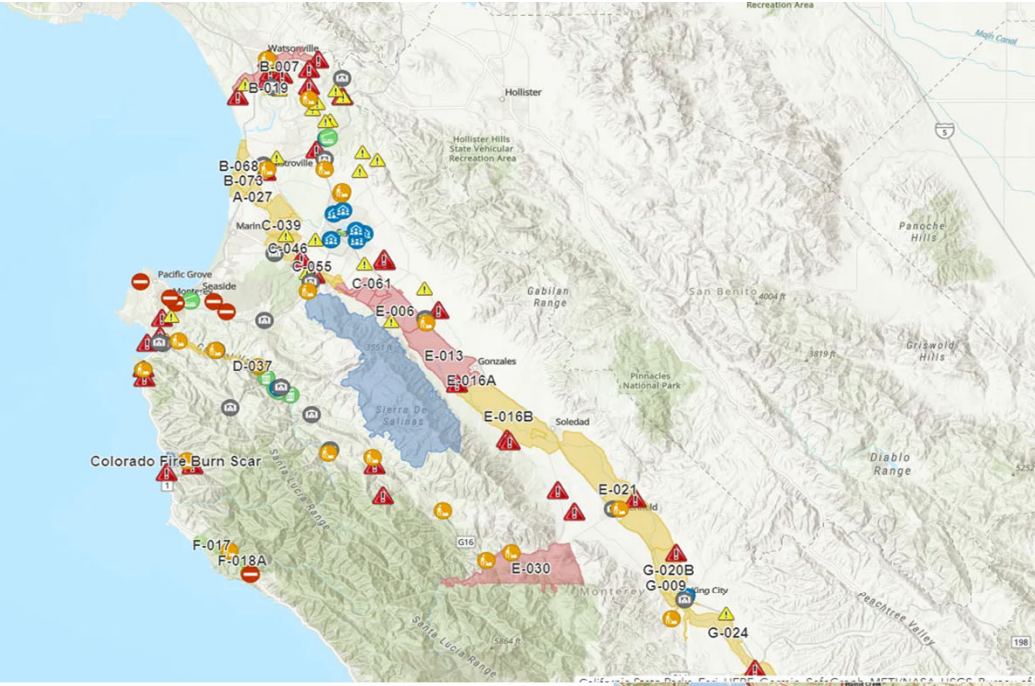


California Coastal Transportation Aerial Support for Community Resiliency (CC-TASCR) SMART Grant Proposal



MBDART.org





NEWS WEATHER News

Levee breach on Pajaro River in Monterey County prompts evacuations and rescues

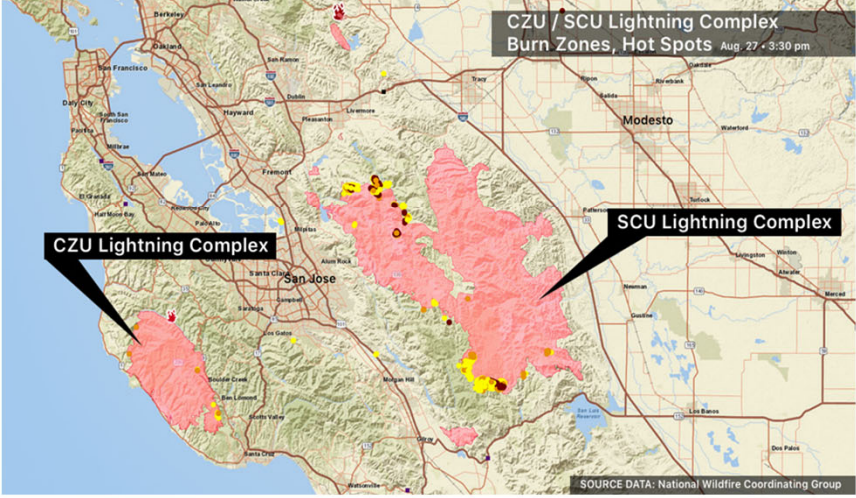
The breach happened around midnight Friday upstream from the community of Pajaro near Watsonville



Officials issue an urgent reminder to abide by evacuation orders, describe Monterey Peninsula at risk of becoming an 'island.'

Rey Mashayekhi Jan 11, 2023 0

Why does this matter for the Central Coast?

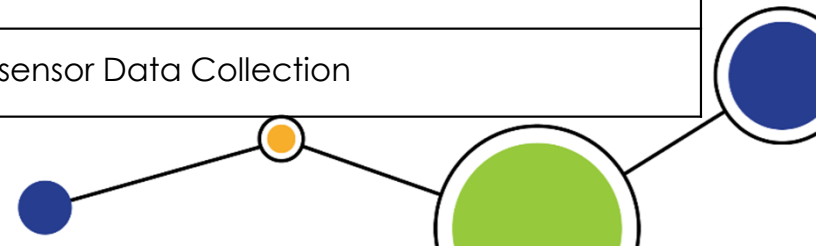


Sheriff Tina Nieto spoke at a press conference on Wednesday, Jan. 11, as she simultaneously issued an evacuation order for communities along the northern Salinas River. She delivered a sobering message about potential flooding and urged the public to heed evacuation orders.

Regional Problems to Solve

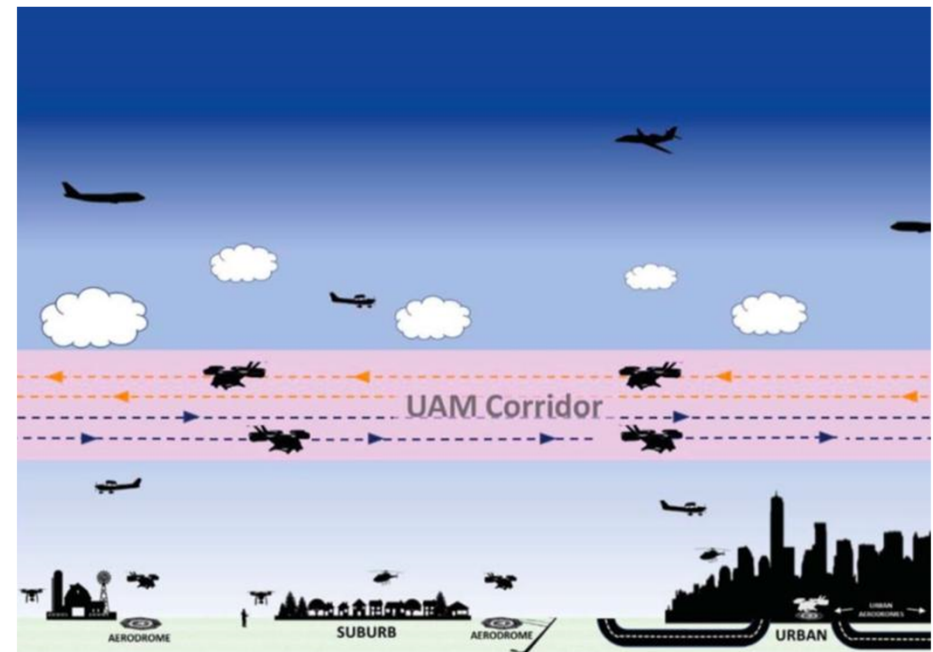


Challenge	Enabling Use Case
Disaster Preparedness and Resiliency <ul style="list-style-type: none"> • Wildland Fire • Seismic Catastrophe • Atmospheric River/Flooding/Erosion 	<ul style="list-style-type: none"> • Transportation Network Damage Assessment • Infrared Data Collection over Fire • Emergency Supply Delivery • Imagery Data Collection
Rural Access to Timely Emergency Medical Response	<ul style="list-style-type: none"> • Emergency Medical Delivery • Emergency Response
Agricultural Production and Security	<ul style="list-style-type: none"> • Multispectral Data Collection Surveys • Spraying application
Transportation Infrastructure	<ul style="list-style-type: none"> • Critical Infrastructure Data Collection • Regional Damage Assessments
Right of Way Vegetation Management	<ul style="list-style-type: none"> • Data Collection Surveys
Environmental and Ecological Research	<ul style="list-style-type: none"> • Multisensor Data Collection



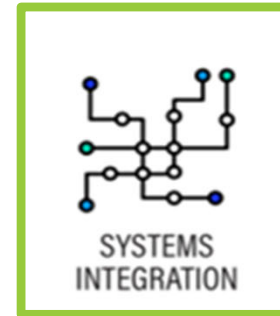
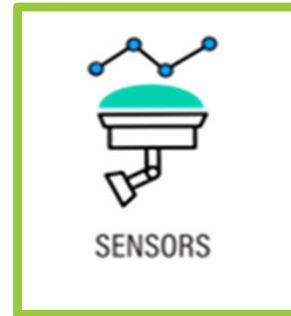
Minimum Viable Infrastructure (MVI)

- Sensors and Navigation
 - Radars
 - Optical Sensors
 - RF Triangulation
 - Remote ID Sensors
 - Weather
- Data Exchange Infrastructure
- Human Resource(s)
 - Project Management
 - Site/Facilities Management
 - Community Engagement
- Policy Implications



Project Alignment to SMART Grant

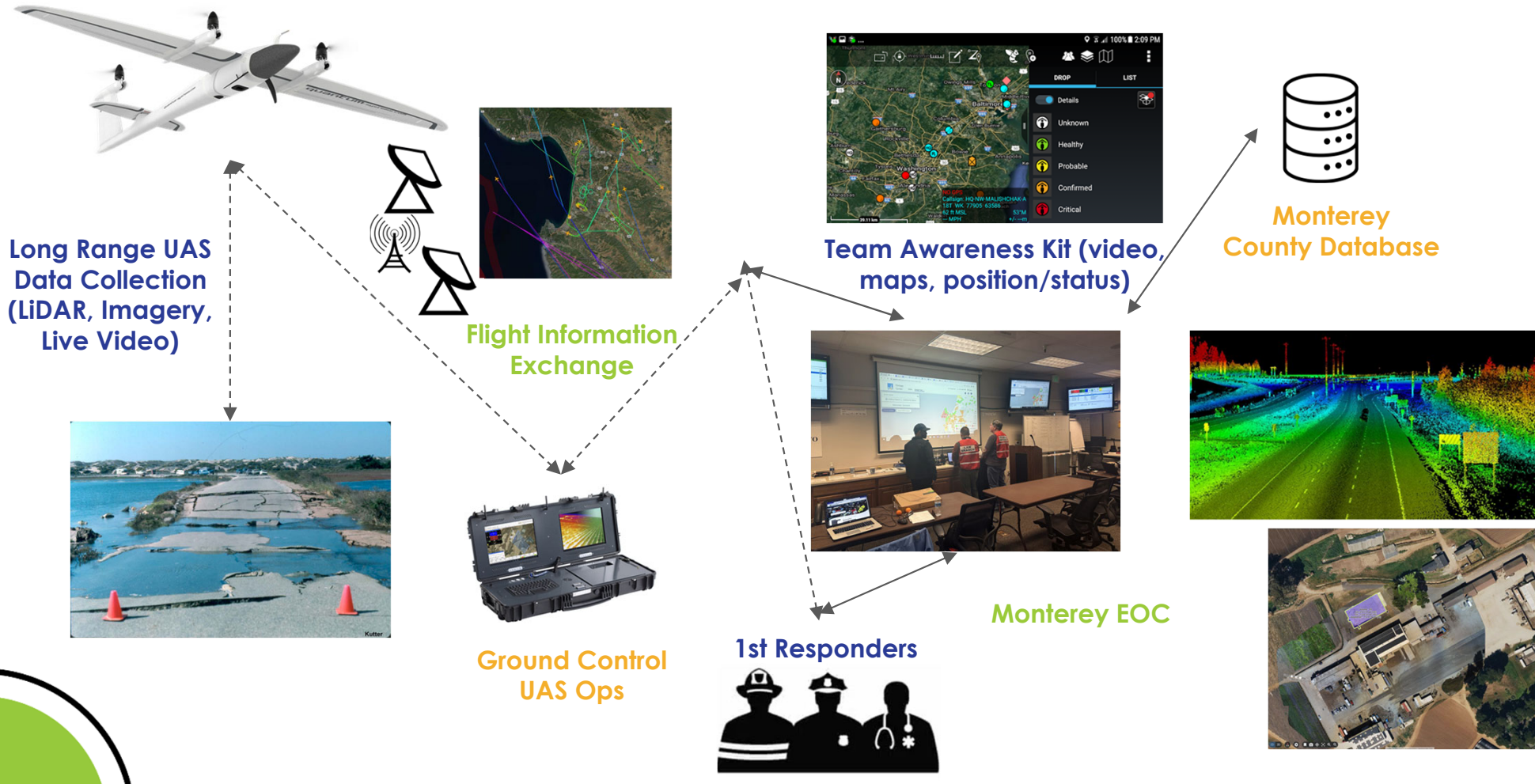
Eligible projects demonstrate at least one of eight technology areas:



Project Partners



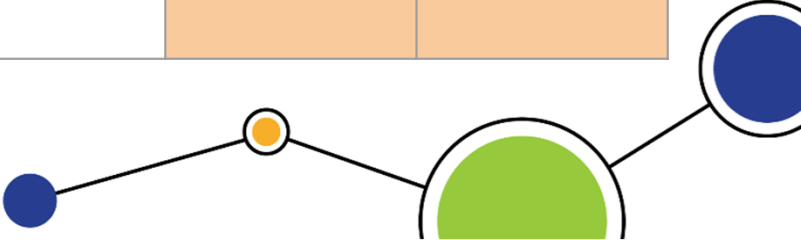
Project Concept



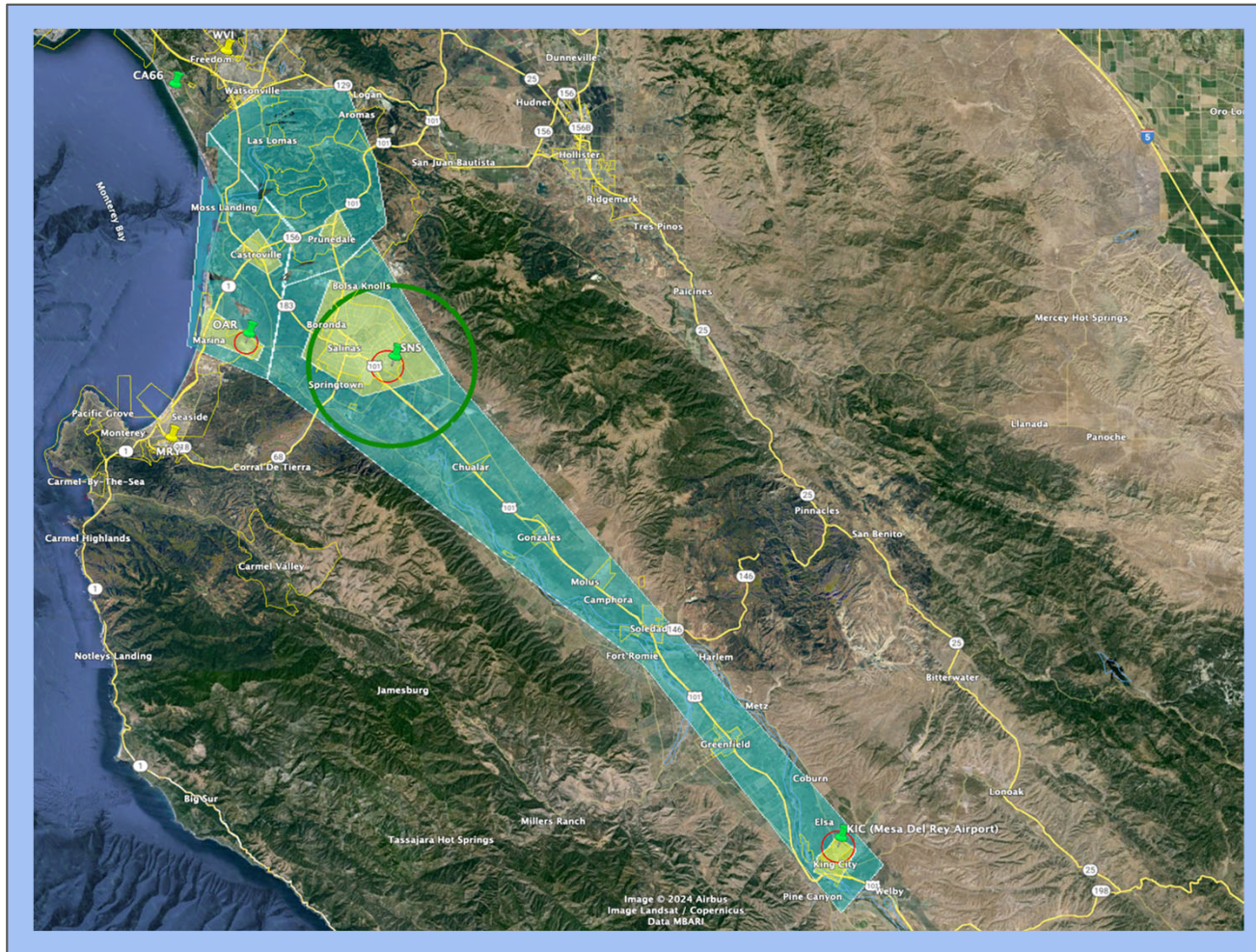
Project Schedule

	2025				2026	
	Q1	Q2	Q3	Q4	Q1	Q2
Phase 1: Planning & Regulatory						
Phase 2: Testing & Evaluation				★	★ ★	
Phase 3: Final Analysis						

★ 2-week Field Tests



Project Area Map



Budget Summary



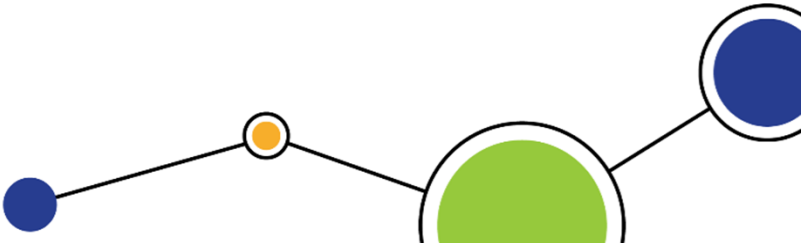
Type	Participant / Category	Project Funding Required
Direct	Transportation Agency for Monterey County	\$236,424
Contractor	Monterey Bay DART	\$297,756
Subcontractor	Monterey Department of Emergency Management	\$100,100
	University of California Santa Cruz	\$37,680
	University of Alaska Fairbanks	\$89,929
	ATA Aviation	\$301,144
	Airspace Integration	\$248,342
	Aloft	\$60,400
	OneSky	\$96,180

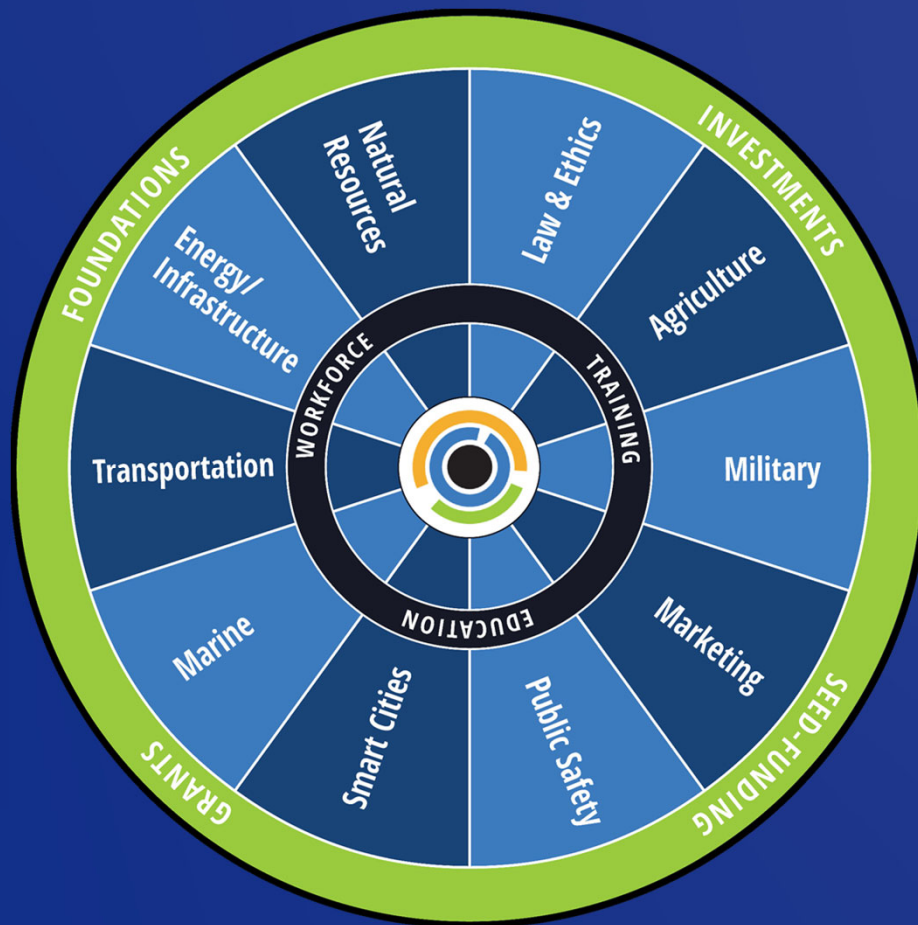
Type	Participant / Category	Project Funding Required
Supplies	Supplies	\$29,750
Equipment	Sensor Equipment Purchased	\$298,000
Contractual	Sensor Equipment Leased	\$283,450

Total	Project Total Funding Required	\$2,079,154
Total	Partner Committed Match	\$153,700
Total	Federal Funding Request	\$1,925,454

Requested Motion

Authorize TAMC Executive Director to submit the CC-TASR SMART Grant Proposal and, if awarded complete necessary contracting for Project Implementation





Thank You!

Josh Metz

josh@montereybaydart.org



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