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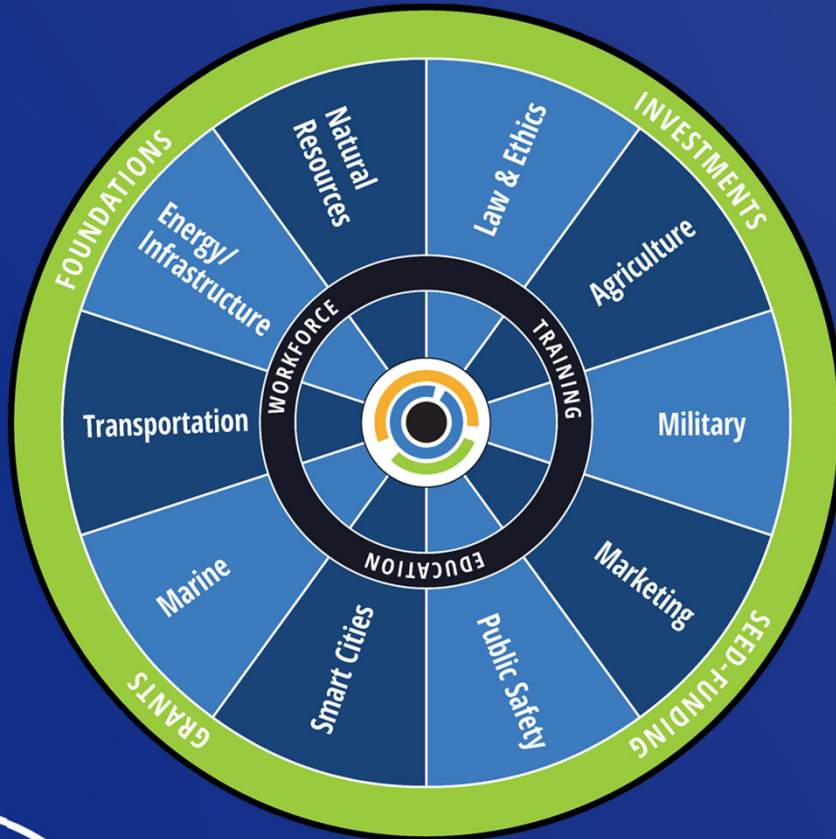
Regional economic development
initiative targeting drone automation
and robotics technology



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Vision



Industry

- Companies
- Products
- Services
- Capital
- Entrepreneurs

Government

- Policy
- Infrastructure
- Regulation
- Funding

Academia

- **Education**
- R&D
- Innovation
- **Talent**

Community

- **Workforce**
- Integration
- Services
- Advocacy

Monterey Bay DART

Convergence of intentionality, geographic and cultural assets, timing and luck





**MONTEREY BAY
TECH HUB**
Advancing Opportunities

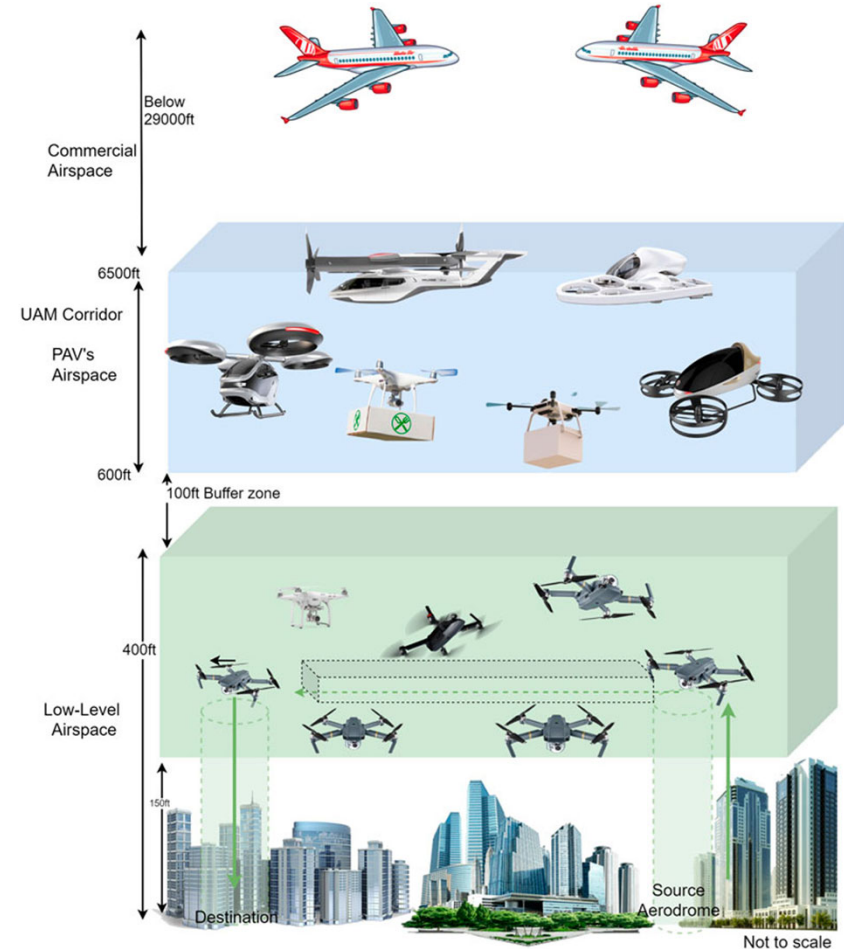


Advanced Air Mobility

Shared Airspace Users

- Small-Medium **Data + Special Purpose**
- Medium-large **Cargo**
- Medium-Large **Transportation**

Projects underway across the country to increase safe and secure airspace uses



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



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

Why Does This Matter for TAMC?

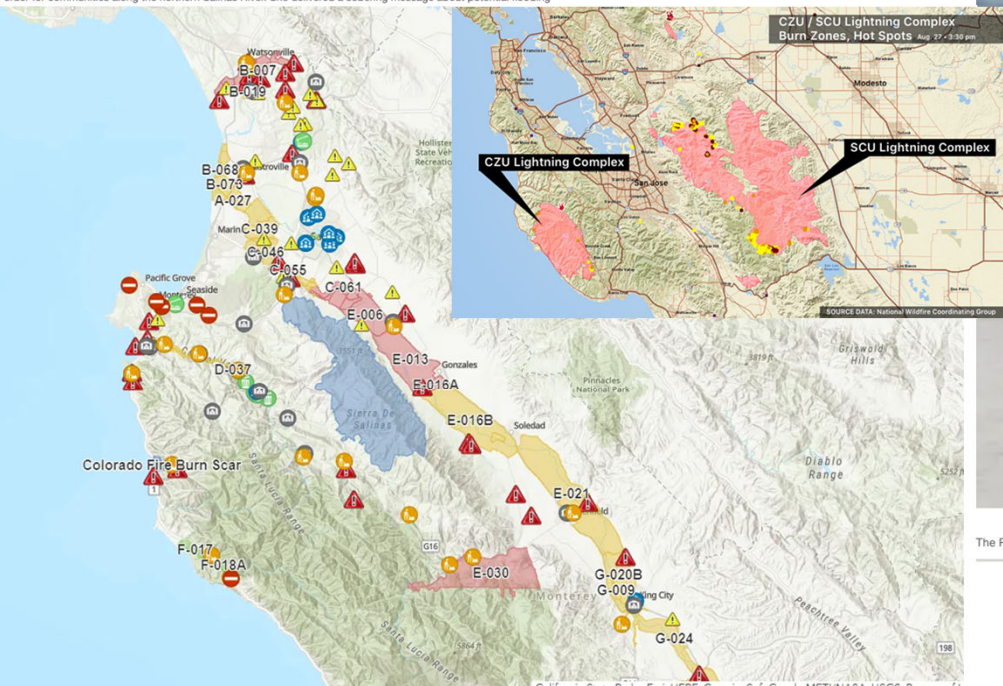
NEWS WEATHER News

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

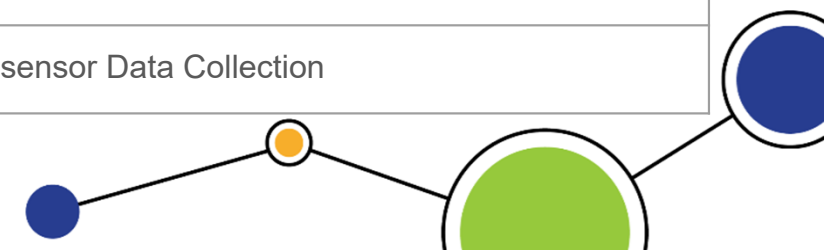


The Pajaro River breaches a levee upstream from Pajaro in north Monterey County, forcing residents to evacuate. (Courtesy of CALFIRE/Pebble Beach drone team)



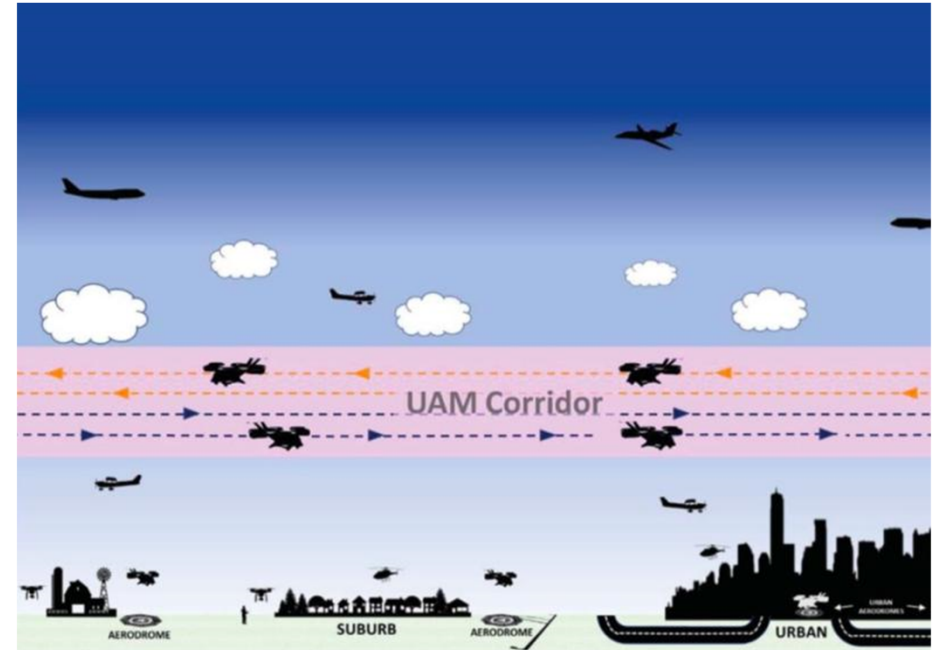
Regional Problems to Solve

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 & High Resolution Data Collection
Rural Access to Timely Emergency Medical Response	<ul style="list-style-type: none">• Emergency Medical Delivery• Electric Vertical Take-off & Landing (eVTOL) EMS
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">• High Resolution Data Collection Surveys
Environmental and Ecological Research	<ul style="list-style-type: none">• Multisensor Data Collection



Minimum Viable Infrastructure (MVI)

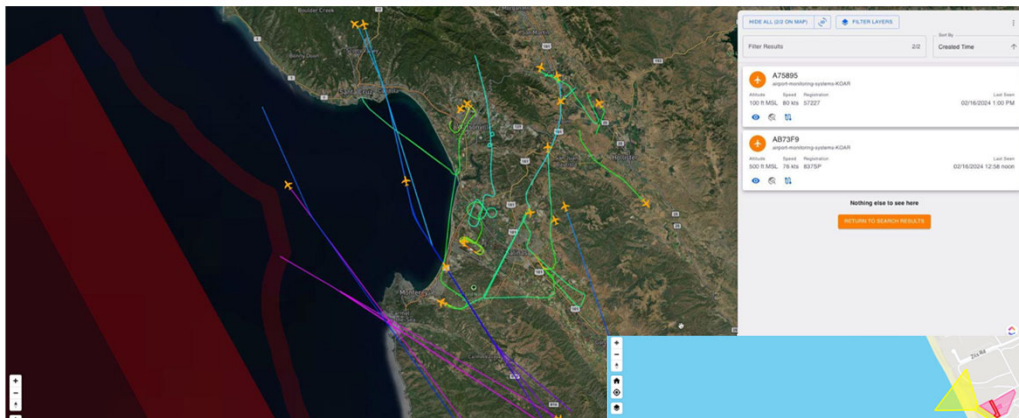
- **Sensors and Navigation**
 - Radars
 - Optical Sensors
 - Radio Frequency Triangulation
 - Remote ID Sensors
 - Weather
- **Data Exchange**
- **Human Resources**
 - Project Management
 - Site/Facilities Management
 - Community Engagement
- **Policy**



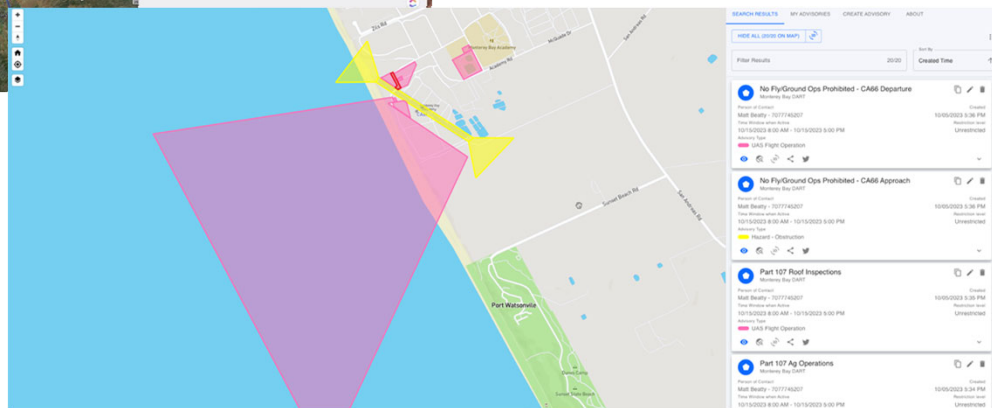


Central Coast

Flight Information Xchange



cc-fix.com





Strengthening Mobility and Revolutionizing Transportation



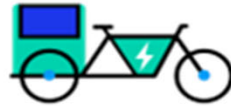
- **Phase 1 Submission Deadline: July 12, 2024**
- 2 Stage Opportunity
 - **Planning and Prototyping Grants Stage 1 - Max \$2M,**
18 month Period of Performance
 - **Implementation Stage 2 - Compete Max \$15M,** 36 month Period of Performance
- **No Cost Share or Matching Requirement Stage 1**
- Avg Award Stage 1 = \$1.5MM;
- Eligibility: State, Political subdivision of a State, Tribal government, **Public Transit Agency** or Authority, Public Toll Authority, Metropolitan Planning Organization, A group comprised of the above 2 or more eligible entities

SMART Alignment

Eligible projects demonstrate at least one of eight technology areas:



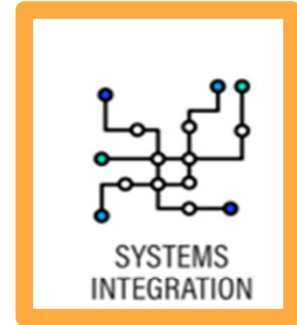
CONNECTED
VEHICLES



DELIVERY/
LOGISTICS



SENSORS



SYSTEMS
INTEGRATION



COORDINATED
AUTOMATION



INNOVATIVE
AVIATION



SMART
GRID



TRAFFIC
SIGNALS



Project Design

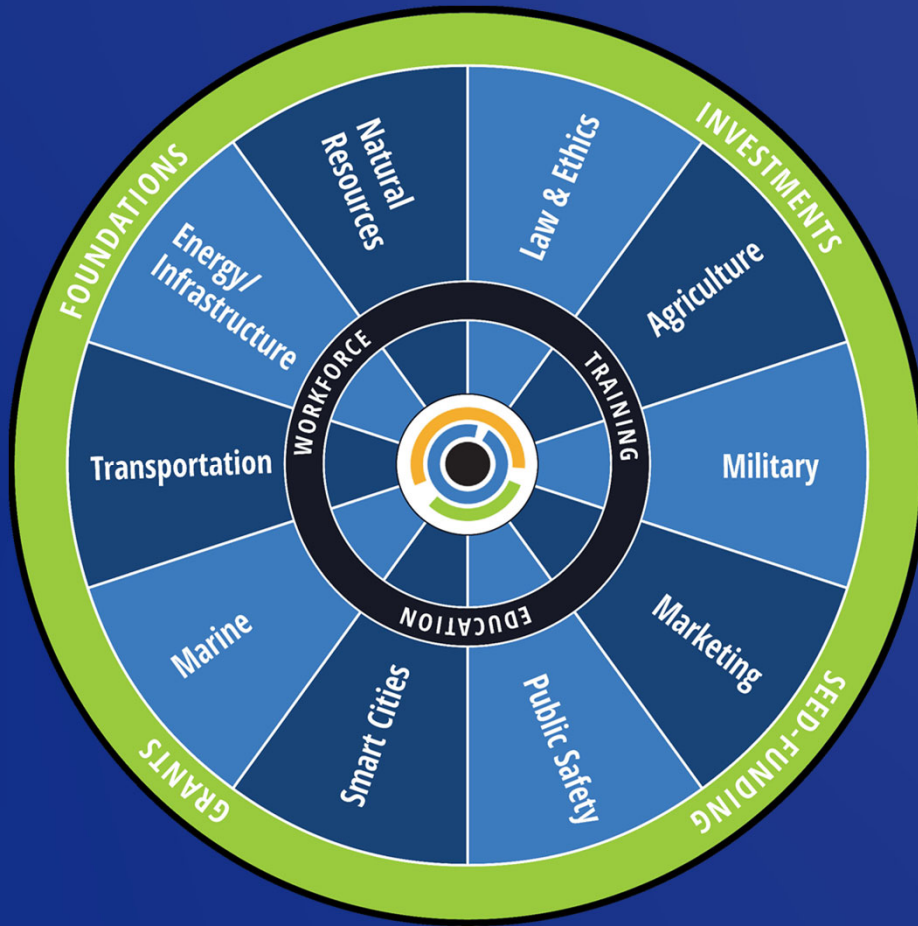
1. Focus: **Disaster Preparedness and Resiliency - Transportation Infrastructure Damage Assessment**
2. Consortia: **Government, Industry, Academia, Community**
 - a. MB Tech Hub partners
 - b. Industry partnerships
 - c. Discussions underway: **CalTrans, CalFire, CalOES, FAA, NASA**
3. *Components in Hand*
 - a. *Draft* **Roles, Responsibilities, Worklanes**
 - b. *Draft* **Planning and Prototyping Grants Stage 1 Budget**
 - c. *Draft* **Project Proposal Write Up**

TAMC Opportunity

- **Lead Applicant**
 - Fiscal Agent
 - Project Manager
- **Budget**
 - TAMC Staff Roles
 - Indirect
- **Next Steps**
 - Staff Direction
 - Finalize Proposal

SMART





Thank You!

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