



County Administrative Office

San Bernardino County Drone Program

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Chief Executive Officer
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- With the continued innovation and evolution of drone technology, there is a need to establish a countywide approach to department usage of drones
- In an effort to streamline drone usage to minimize risk and maximize benefits, a County Drone Operations Group will be established consisting of qualified pilots to operate drones
- Current usage of drones in the County include:
 - Mapping
 - Photo/video documentation
 - Search and rescue
 - Scouting/Ground Unit Coordination



The County has two different groups operating drones – public safety and non-public safety departments. The focus of the County Drone Operations Group will be on the non-public safety departments of Public Works and Communications to centralize drone operations and provide services to County departments.

The County Administrative Office has convened a drone task force that is comprised of the following departments:

- County Fire
- Sheriff
- Public Works
- Airports
- Communications
- Innovation and Technology

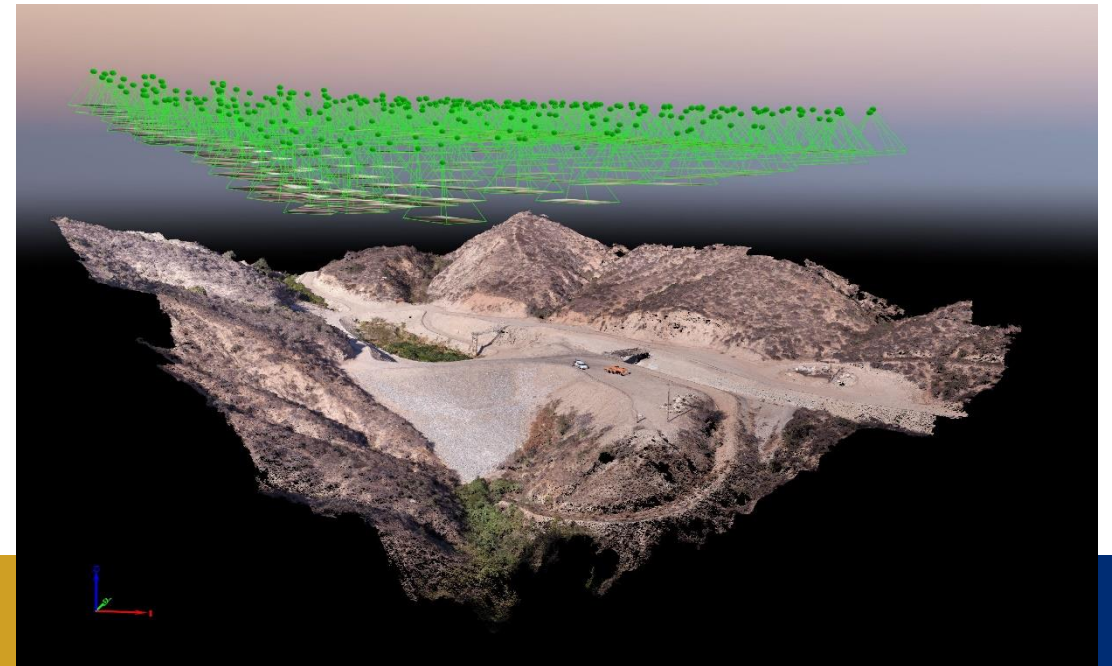
The objectives of the drone task force are to discuss current drone operations, develop, review, and implement policies/procedures for the use of drones in County operations and evaluate emerging drone technology and equipment

Current Drone Uses

- Aerial mapping for Public Works projects for topographic mapping and volume calculations
- Aerial photos or videos for as-built documentation of Public Works projects
- Aerial photo or video documentation as needed for fire or flood incident management

Future Drone Use

- Improve accuracy of our topographic mapping through improvements in equipment and processing techniques



Current Drone Use

- After action review of structure fires and training
- Search and rescue to locate victims
- Hazardous materials identification and risk assessment

Future Drone Use

- Firing operations during wildland incidents
- Automated launch from strategic locations throughout the county for rapid incident assessment
- Identification of hot spots on wildland incidents

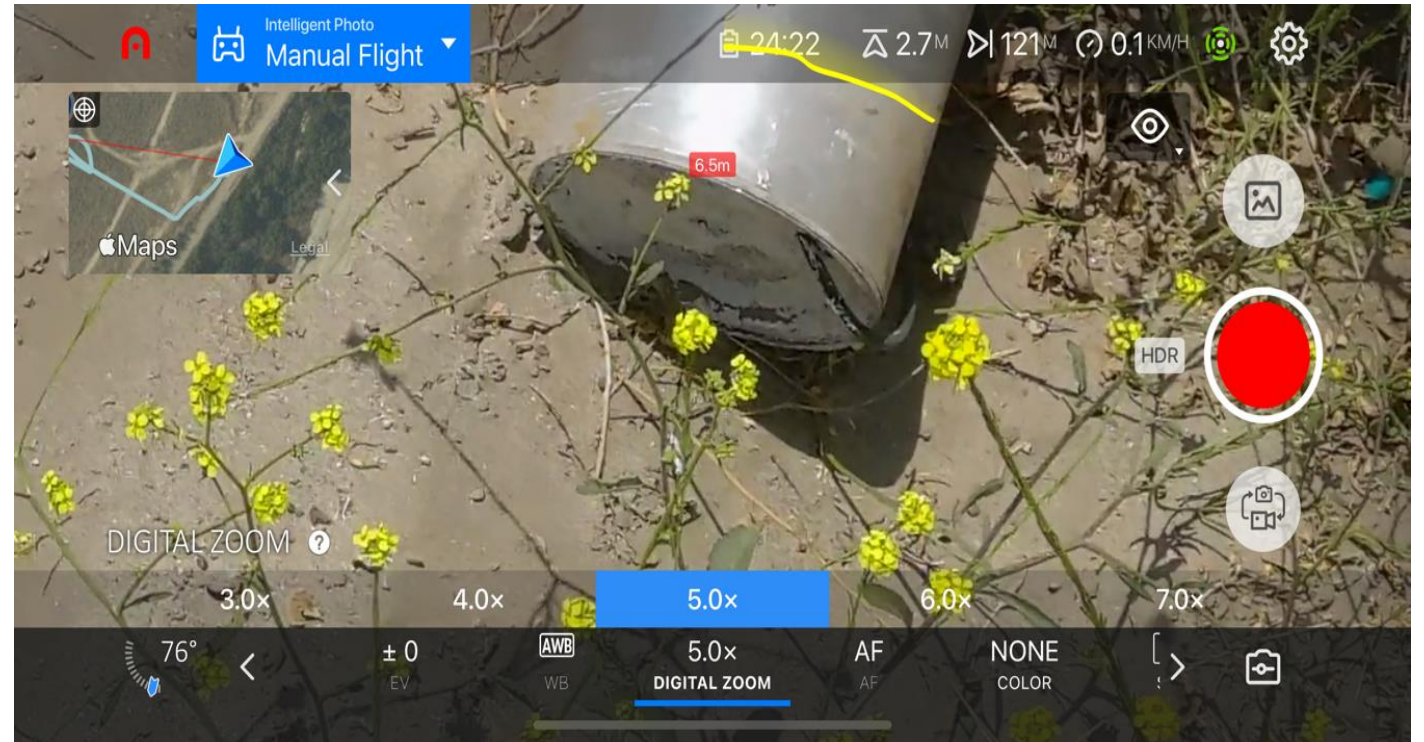


Current Drone Use

- Scouting/Ground Unit Coordination
- Building Clearance

Future Drone Use

- Search and Rescue
- Crime Scene Mapping/Photography
- General Patrol Assistance



Future Drone Use

- Produce videos that are as dynamic and engaging as possible for our viewers
- Requests from Departments for drone services such as surveying construction projects, documenting rooftop repairs, and capturing live events



The County will look to establish an agreement with the UAS Center at the San Bernardino International Airport to provide the following services:

- Analysis and development of Standard Operating Procedures and policies for the County
- Training for employees to become licensed as a FAA Part 107 drone pilot

- Provide guidance and feedback on the proposed County Drone program
- Establish a Countywide Drone Program
 - Develop an agreement with UAS Center for policy development and training services
 - Create a County Drone Operations Group program with participating departments and send out communication to all County staff about these available resources
 - Review current equipment owned by County Drone Operations Group departments and determine if upgrades would be beneficial to their operations
- Direct the Drone Task Force to research and evaluate how drone technology can provide efficiencies to County Departments

Questions?