



ABOUT

K2 Unmanned Systems is a premier Unmanned Aerial Systems (UAS) firm located in Huntington Beach, CA. We are focused on bridging technology gaps while striving to improve the world around us. We aim to bring unmatched reliability, service, safety and continuous improvement for our customers through our exceptional design, training courses and experienced UAV operators. K2 Unmanned is establishing a deep network of teaming partners in the Science, Academia and Commercial industry sectors, as well as Public Safety and Utilities. K2 Unmanned is a subsidiary of AES Corp, a key contractor to the Department of Defense.

CAPABILITIES

We offer custom design sUAS solutions along with comprehensive Training courses and FAA Certified Flight Operations for various missions.

Custom Design: Our aerospace engineering team custom designs and builds sUAS specific to your mission's needs with various sensor packages/payloads such as:

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- MULTI-ROTOR
 - WATERPROOF
 - THERMAL IMAGING (FLIR)
 - 3D MAPPING
 - FIXED WING
 - ZOOM HD ED CAMERA
 - PAYLOAD DELIVERY

OUR MISSION IS TO HELP YOU ACCOMPLISH YOUR MISSION!

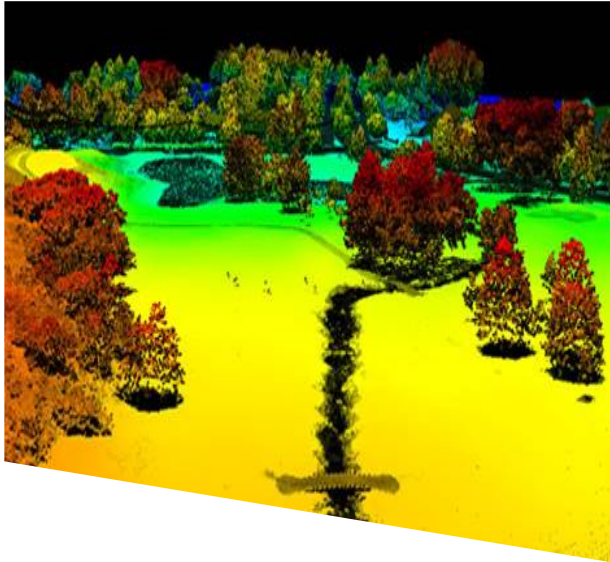
FAA Certified Training: K2 Unmanned Systems is home to a sUAS Training Academy providing your team with the necessary training to obtain FAA Part 107 Remote Pilot Certification. K2 offers on-site classroom, simulator room and in-field training programs as well as online, self-paced training programs. Our training programs are tailored to your team's unique mission and operational environment. Our goal is to make you a fully functional FAA Certified Remote Pilot with deep knowledge and proficient hands-on remote piloting skills so you can fly efficiently and safely within FAA rules and regulations.

Flight Operations: We send FAA Certified Remote Pilots to fly missions for your company. We provide you with a professionally-trained pilot and spotter, flight planning logistics, and carry full liability insurance for all commercial drone services as required by The US Federal Aviation Administration (FAA). We've flown missions from harsh deserts to the high Sierras to deep water ocean settings. We have traveled around the world with our gear and have all required passports and travel documentations.

SERVICES

FIRST RESPONDERS AND SEARCH & RESCUE (SAR) OPERATIONS

We have custom designed drones to specifically assist in First Responder and SAR operations. K2 units are outfitted with Zoom HD video cameras as well as the latest FLIR thermal imaging sensors which allows SAR teams to find subjects by reading heat signatures. The ability to see heat signatures is very useful, especially for non-responsive subjects or



subjects that are under the cover of trees or brush. FLIR thermal imaging also allow Fire Departments to gain situational awareness, temperature readings and preempt a potential structural collapse all from the safety the UAV in the sky. In addition to utilizing real-time video and thermal imaging, our UAV units also include a mechanical “Claw” to deliver emergency supplies, tow lines, life vests, etc., to stranded victims. K2 Unmanned also offers waterproof units used to launch and land from the water with the ability to search underwater up to depths of 20 ft. K2 also designs portable units that can be backpacked into the

wilderness.

At a fraction of the cost of conventional aircraft or helicopters, drones have become the most cost-effective solution for First Responder and SAR efforts. The larger, manned aircraft only need to be used for missions such as long-distance recon, subject evacuation, etc.

INFRASTRUCTURE INSPECTIONS

Using small, portable, highly maneuverable and field repairable platforms with our Unmanned systems enables us to safely assist you inspect and monitor your energy, transportation, communication and structural infrastructures. Inspections can be done quickly and on demand with live, precise, high resolution imagery transmitted immediately for on and offsite assessment and decision making. Critical and preventative monitoring of infrastructure stress can be carried out on a regular basis at great cost savings and protection to human life.



WILDLIFE CONSERVATION

Our UAS solutions offer a safer way for wildlife/marine biologists and scientists to observe their subjects; in a less costly, more efficient, and more precise way than traditional approaches. Our systems offer a low environmental and financial impact with no compromise to results.



OUR FEATURE PRODUCT

GUARDIAN 2017

Flight endurance, versatility, reliability and safety, along with a dual camera gimbal, make the Guardian the ideal system for your missions.

Highlights:

- Complete American made UAS solution, including Training, Maintenance and Customer Support
- Vertical Take-Off and Landing (VTOL)
- Battery Powered: Extended Flight Endurance up to 50 minutes, Hex-rotor multi-purpose unmanned aerial vehicle
- Light-Weight, Man-Portable and Robust
- Dual gimbal can be equipped with multiple payloads: DSLR Camera, Zoom & Infrared Optics
- Optional release mechanism to deliver emergency supplies, flotation device, tow line, etc.
- FPV and autonomous mission capability
- Safe Return to Home Feature: Automatically returns to launch point upon detection of low battery voltage or loss of GPS radio link
- Radio repeater can be mounted for improved communication between ground teams and CP





UNMANNED
SYSTEMS

THE “GUARDIAN” EXTENDED FLIGHT ENDURANCE, MULTI-PURPOSE UAV

DISCRIMINATORS

A COMPLETE “AMERICAN MADE” UAS SOLUTION

ONE-STOP SHOP FOR UAV DESIGN, TRAINING, MAINTENANCE AND CUSTOMER SUPPORT

CUSTOMIZED SOLUTIONS FOR ANY TYPE OF MISSION

EXPERTS IN DATA ACQUISITION TO CONVERT DATA INTO ACTIONABLE INTELLIGENCE

BENEFITS OF USING OUR UAS



Making modern technology accessible