



4105 Graham-Newton Road
Raleigh, NC 27606
919 851 9898
info@carolinaunmanned.com

COMPANY BACKGROUND

Carolina Unmanned Vehicles (CUV) is a small woman-owned company focused on autonomous and remotely operated sensor platforms, primarily **Tactical Aerostats** and **Unmanned Aerial Systems (UAS)**. We provide complete aerostat systems, research and developmental, technical support and analysis.

We have developed and delivered several versions of a small mobile tethered blimp, the **Lightweight Aerostat System (LAS)**. Missions include local area video / IR surveillance payloads for very long term surveillance of camps and other facilities. It is adaptable to communications relays and COMINT / SIGINT payloads.

LAS is mounted on a HMMWV trailer and can carry electronic payloads up to 75 lb. for various missions. It uses a patented aerostat that remains aloft even in high winds, allowing use of a smaller balloon than traditional aerostats. This in turn allows much smaller ground equipment, making LSA more mobile, use fewer crew and be more easily transported than traditional large aerostats. Customers' include the USAF, Lockheed Martin Corporation and Sandia National Laboratory, supporting the DOE nuclear security mission. CUV has delivered a new version of LAS, the **Small Tactical Multi-Payload Aerostat System (STMPAS)**, for the US Army to provide Intelligence, Surveillance, and Reconnaissance (ISR) capability for small tactical units and Forward operating Bases. Seven STMPAS are deployed to Afghanistan.

Previous work includes our **Shoulder Launched Unmanned Reconnaissance System (SLURS)** a manportable UAS carried in, and fired from a tubular launcher the size of an anti-tank rocket, so that it can be launched from inside vehicles and buildings.. It has superior reaction times to all competitors and is carried and operated by a single person.

We have provided project management support on fire detection and suppression systems for commercial aircraft. This included writing Engineering Change Requests, Safety of Flight certification, and test procedures for flight safety certification.

CUV personnel are experienced in military and civilian systems as diverse as cruise missiles, satellites and high mobility ground vehicles. Our people have particular expertise in UAS and missile ground launch equipment, having managed the design, development and testing of the Ground Launched Cruise Missile ground vehicles.

Our background includes extensive test planning, conduct and documentation. Our engineering, project management and research expertise provides our clients with top quality technical support and/or R and D of innovative and cost effective products. Due to low overhead this is done at very competitive rates.

LOCATION

Our Raleigh location is convenient to the high technology center in the **Research Triangle Park (RTP)**, and to top ranked research universities (University of North Carolina, North Carolina State University and Duke University.) Nearby are several customers of specialized military equipment, including the **Marines at Camp Lejuene, NC** and the **Army Special Operations Command at Fort Bragg**.

TEAMING OPPORTUNITIES

Carolina Unmanned Vehicles can function as prime contractor for small systems, a subcontractor for components / subsystems on larger projects, and as a technical support contractor. CUV actively seeks opportunities to team with larger companies on Research and Development and production contracts. Companies interested in teaming should contact Glenda Rogers, President and CEO, at glrogers@carolinaunmanned.com or phone 919-851-9898.