



ADUSEA

INC

ADVANCED UNMANNED SYSTEMS ENGINEERING AND AEROSPACE

Core Competencies

ADUSEA Inc. is a Florida Company specializing in Advanced Unmanned Systems, Engineering and Aerospace. We work with the customer individually to meet and exceed their expectations.

Our capabilities include, but are not limited to:

- Structure design, substantiation and compliance (part 23 and part 25)
 - Metallic, Composite and Additive Manufacturing.
- Mechanical and composite systems design, substantiation and compliance (part 23)
 - Airframes, Fuel Systems, landing Gear, Flight Control, Power Plants.
- Loads Engineering (part 23) - Development of Aircraft and Ground Loads, Full Aircraft Balanced Loads Analysis.
- General Aircraft Configuration - Major Component Layout, Structures and System Configurations, Weight and Balance.
- Developmental Project, from Design, Retrofits, Flight Testing and Training.
- Unmanned (aerial, marine, land and space) Systems - Design, Assembly and Testing.
- Custom Ground Control Solutions for Unmanned Systems.
- Flight Control Systems, Optical Payloads, Sense and Avoid Systems, Countermeasures, and Weapon System Integrations.
- Engineering Services, Manufacturing Services, Assembly and Test Services.
- Research and Development Services.

Differentiators

Our customers recognize the value of our our extraordinary engineering and manufacturing services because we have and provide:

- **Highly Experienced Employees**
 - Team is comprised of Engineers, Veterans and Professionals
- **Regulatory Compliance**
 - Persistent focus on regulatory compliance in regard to legal framework, aviation standards as well as HSQE.
- **Design and System Architecture**
 - Robust designs combined with a modular concept for airframes, avionics, mission-critical systems and payloads.
- **Systems and Components Performance**
 - Dependable and Unprecedented quality and performance balancing cost and budgets.
- **On-Time and On-Budget**
 - We very rarely deviate from proposed budgets and time-lines.

Past Performance

Most of the work we have done is covered either under NDA or it is classified. Below is a short list of some of our involvement with projects in the past and present:

- **PMA-226 - TRUAS**
 - Partnered with Pacific Aerospace Consultants to demonstrate a heavy lift UAS for the DoD at Yuma Proving Grounds.
- **JIFX GRP1 SR-SE-FW EOTACS**
 - Partnered with Pacific Aerospace Consultants to demonstrate a GRP-1 UAV designed by us for the DoD at Camp Roberts CA.
- **PROJECT - ODYSSEY**
 - Designed, manufactured, built, tested and demonstrated a fully 3D-Printed FW UAV.
- **PROJECT - SHOCKWAVE**
 - Designed, manufactured, built, tested and demonstrated a non-lethal sentry UAV.
- **PROJECT - BOOM**
 - Designed, manufactured, built, tested and demonstrated a low-cost FW-AT UAV.
- **PROJECT - STARFIRE**
 - Assisted several universities in the design, manufacture and assembly of Cube-SATS.
- **PROJECT - VANE**
 - Continued research into Aerospike engines and Hypersonic propulsion for UAV use.
- **PROJECT - EWAS (Early Warning and Avoidance System)**
 - Continued research and design for systems allowing the safe integration of UAS into NAS.

Capability Statement

Our Vision

After years of experience in this industry it is clear and apparent that there is no cookie-cutter option when it comes to Unmanned Systems, and that not one design or system can satisfy all customers alike. It is therefore we have differentiated ourselves to provide the customer a unique and tailored experience.

Every day, our team comes to work with one focus - our customer mission. Whether is assisting the DoD and the war-fighter, protecting citizens, or advancing the boundaries of science, these missions are as important to us, as they are to our customer.

Our vision is to bring unwavering commitment to help our customer succeed, and it is that sense of purpose and opportunity to make a noticeable difference in the world, which drive us every day to succeed.

To meet these needs, we are constantly transforming our operations throughout the design and production process, ensuring the greatest efficiency without sacrificing quality, to meet budgets and deliveries.

Corporate Information

ISO, ITAR and NIST Compliant

DUNS: 117728122 - CAGE Code: 9B4L9

NAICS:

- 336411 - Developing and making prototypes and new aircraft, conversions, and modifications.
- 541330 - Mechanical and Aeronautical engineering services.
- 541690 - Other scientific and technological consulting services.
- 541715 - Aerospace research and development.
- 335910 - Lithium battery manufacturing.
- 335991 - Carbon & Graphite product manufacturing.
- 336413 - Developing and making prototypes of aircraft parts and auxiliary systems.
- 336414 - Developing and making prototypes of missiles and space systems.
- 336415 - Developing and making of propulsion units and parts and prototypes.
- 336419 - Missiles and space vehicle parts and auxiliary equipment manufacturing.
- 333511 - Industrial mold manufacturing.
- 336992 - Self propelled weapons and products.
- 336999 - Aerospace products.
- 333514 - Special die and tool, jig and fixtures manufacturing for mold making.
- 927110 - Space research and technology.
- 928110 - National security and related activities.

Contact Information

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