



Overview

"AzAstro Technologies" is the aerial data intelligence startup from Azerbaijan developing a reliable autonomous unmanned aerial system primarily engaged in surveillance applications across a variety of industries. We are backed up with residency and pre-seed investment from the acceleration program of [Sabah Lab](#), a Presidential Grant, and an international mentor engaged in drone technology on a global level.

To speed up our product development, we are looking for an ambitious and talented **Aeronautical Engineer** who will perform and supervise engineering work concerned with the design, development, manufacture, maintenance, and modification of drones for flight. Provide technical input into full project life-cycle, including requirements definition, developer oversight, and testing and evaluation.

Essential Duties

- Designing and developing new drones, components, or systems to ensure secure and stable flights
- Using computer-aided design (CAD) to modify and create designs to improve safety or energy efficiency
- Carrying out technical and financial feasibility studies and running modeling & simulations activities to verify the constructability and viability of projects
- Evaluating drone prototypes for ensuring top-notch performance
- Researching new materials and technologies to improve the design of drones and components to determine their potential for commercial use in aviation
- Overseeing flight and ground testing of prototypes and analyzing test data. Perform IMU accuracy analysis using GPS and telemetry data to estimate guidance and control contribution to miss other than reentry.
- Developing design specifications and construction plans for drones such as multi-rotor, fixed wings, and VTOLs Analyzing accidents or incidents involving drones to determine their causes in order to create new safety protocols or procedures
- Planning and managing the manufacture of drones and components
- Preparing engineering reports outlining design specifications and conclusions reached during research or testing activities i.e Publish vehicle performance reports.

Skills

- Good mathematical and technical skills including physics
- Knowledge of computer science, materials science, and design
- Ability to think methodically; to design, plan and manage projects
- Ability to maintain an overview of entire projects while paying attention to detailed technical issues that might arise
- Excellent verbal and written communication skills
- Negotiating, supervisory, and leadership skills combined with the ability to delegate

Qualifications

- Degree (preferably Master) in Aeronautical, Aerospace, Mechanical or Materials Science and Engineering with minimum 3 years of experience
- Advanced knowledge of aeronautical machines, including airplanes, rockets, spacecraft, helicopters, and UAVs
- Intermediate to the expert-level background using CAD software, such as Solidworks, AutoCAD, or ProEngineer
- Experience using computational software, such as MATLAB and Simulink

Benefits

- Professional growth and development programs to help advance your career
- An inclusive work environment built on teamwork, flexibility, and respect
- Competitive salary based on applicants' proficiency level

Contacts

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Please send you resumes and call for additional information.

Come and join our team and let's build together FUTURE IS IN THE SKIES.

<https://www.azastrotech.com/>