

COMPANY DESCRIPTION:

AirDyne is a small, privately owned, highly focused aircraft special mission systems engineering, manufacturing and aerospace research firm.

POSITION TITLE: Electrical Engineer

LOCATION: Brooksville, Florida, USA

SUMMARY OF POSITION/ POSITION DUTIES:

AirDyne Aerospace has an immediate opening for an Electrical Engineer to provide sustainment support, liaison, design, and integration to both its developed core product line and new products.

As the Electrical Engineer you will be required to support sustainment of developed AirDyne products, and integrate systems into these designs to meet customer and airworthiness requirements. This position includes shop floor liaison support, drafting, creation, and execution of bench test plans, creation of reports, installation support, training, and on-site flight test support.

This position requires a "Team-Player" with excellent communication skills to interchange ideas and knowledge effectively with all Team members at AirDyne as well as customers.

This position will require travel to support company or customer requirements which may include installation, training and testing.

REQUIRED:

- Minimum of a Bachelor's Degree in Electrical Engineering, or relevant field, with credentials.
- 10 Years electrical experience in aerospace.
- 7 years' of electrical design experience with CAD Software.
- Experience in creating Aerospace Wiring Interconnect, Wiring Schematics, Wiring Harness Drawings using Drafting Standards, and approved CAD Software.
- Experience with Aerospace Wiring and Installation requirements (e.g. SAE AS50881).
- Design experience with MIL-DTL-38999, MIL-DTL-5015 and MIL-DTL-23308 connectors and associated strain reliefs (to include Environmental and EMI/EMC).
- Familiar with ASME Y14.44, ASME Y14-24, ASME Y14.5 and ASME Y14.100.
- Liaison/shop floor support experience.

DESIRED:

- Design/integration experience with RS-232, RS-422, Ethernet, MIL-STD-1553, and discrete wiring.
- Experience with RF systems and Antenna Installation, design, and analysis.
- Familiar with MIL-STD-810, MIL-STD-461, MIL-STD-464 and DO-160 testing and

design requirements.

- Familiar with MIL-STD-704 Series AC/DC Power Requirements for Utilization Equipment.
- Familiar with Electrical Load Analysis per MIL-E-7016, ASTM F2490-05 and/or AC 21-38.
- Experience design and integration experience with Radar, EO/IR, Datalinks, and C4ISR on airborne platforms.
- Motion Control Design experience.
- Production support and shop floor liaison experience.
- Experience with Link-16 systems integration.
- Experience with VHF/UHF/L-Band Communications integration and/or design requirements.
- Practical electrical fabrication experience.
- Development of ground test plans and flight test plans for avionics equipment evaluation must also know aircraft EMI/EMC/RFI testing procedures and knowledge of associated MIL Standards and reporting methodologies.
- Knowledgeable in performing system safety analysis, creating fault trees, trouble shooting guides and write and contribute to Failure and Hazard Analysis (FHA/FMECA) reports. Complete hazard assessments and system safety assessments.

TYPE OF WORK: Lockheed Martin C-130/L-100, Alenia C-27J, or similar.

SALARY AND BENEFITS: Based upon qualifications.

JOB TYPE: Full-time

ELIGIBILITY OF APPLICANTS: U.S. citizen or Permanent Resident.

TRAVEL: Yes

RELOCATION: Yes

INTERVIEW TYPE: Telephone or Company Site

All applicants must include a cover letter and salary requirements to be considered.

Cover letter must provide the following:

1. Introduction
2. Reason that individual would be the best fit for the position
3. Questions about the position.
4. Salary Requirements

Airdyne Aerospace participates in E-Verify employment authorization.

Airdyne Aerospace is compliant with 52.222-35, Equal Opportunity for Veterans; and 52.222-36, Equal Opportunity for Workers with Disabilities.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, pregnancy, sexual orientation, gender identity, national origin, disability, age, genetic information, or veteran status.