



Electrical Integration Engineer (m/f)

Pie Aeronefs is looking for a motivated Electrical Engineer to join our team and help us create the next generation of aircraft. We are a small, dynamic team focused on the rapid development and construction of aircraft prototypes.

Role and Responsibilities

Your primary role is the procurement and integration of power-electronic systems of the aircraft, and collaboration with the subcontractors and vendors which provide the individual systems.

Your responsibilities are as follows :

- Collaborate with aircraft designers and structural designers in order to understand specifics of the electric aviation context
- Analyze the needs, taking into consideration both industry standard design criteria and the specialized needs of electric aircraft
- Propose innovative designs that integrate off-the-shelf products and custom designs according to the need (including some or all of: power electronics, embedded systems, sensors, CAN bus, DO-254 and ED-80 design assurance)
- Collaborate with subcontractors to define system requirements and identify potential conflicts with other systems
- Design systems and components where outsourcing is infeasible or not cost-effective
- Create circuit diagrams and PCB layouts, collaborate with contract manufacturers to produce your designs
- Put in place a testing program
- Write reports detailing design intent and key assumptions
- Supervise the physical installation and integration of high-power systems
- Perform other tasks as required

Qualifications

- BS in Electrical Engineering or better
- 5 years of experience in a power electronics design role
- Significant experience with electronics CAD software
- An ability to find creative solutions to difficult problems

Contract Conditions

Start : Immediate

Contract : Full time indefinite

Location : La Sarraz, Switzerland

Languages : Engineering operations are conducted in english, but an understanding of french is beneficial to discuss with the production group.

Please send your CV and a motivation letter to info@pieaeronefs.ch