



Senior Mechanical Engineer (Boston)

Top Flight – the first commercial UAV manufacturer to utilize a hybrid propulsion engine for extended flight and enhanced payloads is seeking a Senior Mechanical Engineer to be part of its engineering team. We are looking for individuals that have core design and problem-solving expertise, and that can work individually and on team project assignments. The work environment is centered on agile development, where designs are quickly tested, problems resolved, ideas improved, products built and tested. Candidates should have a passion for building innovative product solutions.

Yes, this is a well-funded startup; the work is demanding, and also really fun grasping new skills while working with other bright and energetic engineers and team members.

Candidate responsibilities include:

- Lead the development of small, light weight, high performance hybrid power systems.
- Build, test, modify and qualify small IC engines and supporting systems for extended flight operations.
- Integrate generator systems and power electronics with IC engine systems.
- Design thermal management systems.
- Work with software and hardware teams to implement engine controls and flight system integration.
- Develop test and validation procedures for evaluation of power systems in manufacturing environments.
- Identify and qualify new technologies that enable extended flight times and payloads.

Must have requirements:

- BS in Mechanical Engineering, Aerospace Engineering or equivalent.
- 7+ years of experience in industrial practice and design.
- Working knowledge and experience in small internal combustion engines.
- Able to manage multiple parallel projects, highly organized with great attention to detail.
- Strong communication skills (both verbal and written); direct experience interacting with clients/strategic partners.
- Experience with unmanned systems (Fixed wing & VTOL platforms), flight controllers, power systems, sensors, navigation, communications, and RC based solutions all a plus.
- Knowledge of common manufacturing techniques including machining, castings and welding.

What's in it for you?

- Work side by side with a world-class technology and business leadership team that is defining new markets in the growing domain space of unmanned systems and where the solutions are recognized as industry leaders
- Tremendous growth opportunity; competitive compensation package including base salary, plus bonus, stock options and benefits.
- You must be authorized to work in the United States on a full-time basis for any employer.

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Please forward cover letter and resume to jobs@topflighttech.com for consideration.