



Upstart Power

JOB DESCRIPTION

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| Job Title: | MECHANICAL ENGINEER |
| Department: | Engineering |
| Reports To: | VP of Product Development |
| Status: | Salaried – Exempt |
| Hours/Work Days: | 40 hours per week (Monday through Friday) |
| Location: | Southborough, MA |
| Last update (date): | August 2021 |

COMPANY OVERVIEW

Upstart Power is a start-up company focused on state of the art power generation equipment utilizing fuel cell technology for back up and primary applications and specifically designed to work with solar. We are expanding our world class team of engineers to support the market launch of several new products. We are seeking highly motivated individuals that can work in a dynamic, high pace environment to meet the demands of our customers.

PRIMARY EMPLOYMENT OBJECTIVES

Reporting into the VP of Product Development, the Mechanical Design Engineer will work as part of a cross functional team to develop low-cost, high-reliability SOFC power systems. The Mechanical Design Engineer will take direction from a Technical Team leader, and support the design, test and validation efforts to product specifications.

ESSENTIAL DUTIES & RESPONSIBILITIES

- Manage all aspects of mechanical engineering projects related to their subsystem from concept through detailed design, prototyping and testing
- Develop and maintain product specifications based on input from marketing and other team members
- Create and manage to product development schedules
- Create and manage Solidworks CAD models, drawings and assemblies
- Build and test design prototypes to functional and reliability specifications
- Coordinate with purchasing and vendors to procure prototype parts
- Document all design outputs and test results
- Value engineer designs by reducing part counts, leveraging off the shelf components, and best manufacturing practices

KNOWLEDGE, SKILL & EXPERIENCE REQUIREMENTS

- Minimum BS degree in Mechanical Engineering, with 5+ years experience in new product development with progress in responsibilities
- Proven experience bringing products from concept through successful product launch is highly desired
- Experience using Solidworks for CAD modeling and detailing
- Experience designing products for cost effective, high volume production (gas appliance related is desirable)
- Working knowledge of engineering principles and practices including drafting standards and tolerance analysis methods
- Understanding of sheet metal, machining, diecasting, and welding techniques a strong plus
- Excellent communication, attention to detail, and organizational skills
- Ability to work both independently, and part of a fast moving team
- Teamwork, integrity, positive attitude, and professionalism

BEHAVIORAL COMPETENCY REQUIREMENTS

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| <i>Action oriented</i> | <i>Drive for results</i> | <i>Functional or Technical skills</i> |
| <i>Organizational agility</i> | <i>Time management</i> | <i>Problem solving</i> |

WORK ENVIRONMENT (include physical requirements)

- Office and workshop presence

Upstart Power provides equal employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, gender, sexual orientation, gender identity or expression, national origin, age, disability, genetic information, marital status, amnesty, or status as a covered veteran in accordance with applicable federal, state and local laws. Upstart Power complies with applicable state and local laws governing non-discrimination in employment in every location in which the company has facilities. This policy applies to all terms and conditions of employment, including, but not limited to, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation, and training.