

## Core information

<b>Role title:</b>	Engineering/ Research intern	<b>Eligibility:</b>	College Students
<b>Working hours:</b>	Full-Time	<b>Period</b>	Flexible
<b>Reports to:</b>	Director/Engineering Lead	<b>Location:</b>	Somerville, MA 02143

## Position and Our Company

Our team is looking to hire an ambitious engineer to work in our team on the design, automation, and installation of a small renewable power plant.

ALP Technologies is an engineering renewable energy start-up that was awarded several research and development grants and government contracts for our innovative technologies. Our company is designing and prototyping a state-of-the-art hybrid li-ion battery storage system.

### Key responsibilities:

- Mechanical hands-on work on machine and electrical system
- Components and materials procurement and installation
- Recommending modifications following prototype test results
- Analysis of mechanical systems, including analysis for structural and thermal gasification processes
- Planning and implementing reliability and improvement projects in designated plant area and participate in equipment overhauls, troubleshooting and turnarounds as required
- Making decisions concerning plant operations and maintenance procedures, equipment operability, cost control and the selecting, designing, and/or specification of material and equipment. Includes some project development and implementation.
- Promotes safety and loss prevention in all aspects of reliability maintenance and projects.
- Participation in the development and implementation of company policies and procedures for safety rules and regulations, including day-to-day safe job planning
- Learning of basic operation and maintenance aspects of gasification equipment, working as backup to other engineers as needed

## Skill Requirements

	Requirements	Essential/ Desirable
<b>Qualifications</b>	Minimum Bachelor's degree in any field of Engineering (or currently studying)	<b>E</b>
<b>Knowledge:</b>	1. Hands-on mechanical engineering experience	<b>E</b>
	2. Practical problem-solving skills	<b>E</b>
	3. Knowledge of electronic equipment and computer hardware and software	<b>D</b>
	4. Self-motivated and highly organised	<b>E</b>
	5. Proficient in 3D CAD modelling	<b>E</b>
	6. High degree of initiative	<b>D</b>
<b>Values</b>	1. <b>Hard-working</b> - Start-up work ethic is a must!	
	2. <b>Take personal responsibility</b> - self-initiative mind-set and a desire to learn	

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3. **Communicative and team mentality** - both traits are important and complimentary in a team project environment
  4. **Organizational skill/Proactivity** - Prioritisation skill with the ability to act in advance, plan-ahead and carry out duties proactively
  5. **Attention to detail** - Must have mentality to check, re-check work and with a mind-set towards risks identification and mitigation
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For application, please send your cover letter and CV to [hr@alp-technologies.com](mailto:hr@alp-technologies.com).