Engineering Intern

About Us

Advanced Solar Products (ASP) is one of the leading Engineering/Procurement/Construction (EPC) firms for photovoltaic (PV) power systems on the East Coast. It designs and builds photovoltaic systems in all sectors from residential to large commercial and utility scale. ASP also conducts research and development programs in solar energy, including battery-based power systems for micro-grid and emergency back-up applications. ASP is an innovative and fast-growing company in a fast-growing industry. Its advocacy was instrumental in the formation of New Jersey's renewable energy program, and in making the state a leader in the nation in solar energy development. The company and its people are dedicated to building a sustainable future and maintain a supportive, collaborative atmosphere. ASP offers competitive salary, benefit and bonus programs commensurate with skills, experience and accomplishments.

Advanced Solar Products currently seeks an Engineering Intern for our solar power design department. The role is multidisciplinary – principally electrical but would also touch upon mechanical and civil engineering. ASP offers compensation and a flexible schedule.

Primary Responsibilities

- Design PV systems in accordance with all relevant federal, state, and local codes (designing systems from residential size up through large utility scale)
- Design and upkeep of data acquisition and performance monitoring systems
- Construction project management and field engineering
- Research and development in solar technology for new product designs
- Keeping current on new technological developments, project permitting, and regulatory approval and policy work with government agencies.

Minimum Qualifications

- Currently enrolled in a Bachelor's Degree program in engineering, science, or mathematics
- Understanding of electrical engineering
- Proficiency with AutoCAD and Microsoft Office Suite
- Strong multi-tasking, communication and interpersonal skills
- Willing to travel as needed and be comfortable in a fast-paced, ever changing work enviroment

Preferred Qualifications

- Experience with electrical design and drafting using AutoCAD
- Experience using ETAP software for power system modeling
- Knowledge of battery back-up systems