Senior Mechanical Engineers

**Responsibilities:**

1) Lead a multi-disciplinary team in the development of innovative and cutting-edge Solar PV mounting systems and accessories for residential and commercial flat roof buildings;

2) Support the development of innovations in solar PV mounting systems & accessories for residential and commercial flat roof by leading and participating in the following: Brainstorming meetings, design review presentations, cost/benefit analysis, competitive market research, and detailed FEA and CFD analysis to drive product development iterations;

3) Ensure product compliance with applicable codes and standards, specifically the International Building Code, American Society of Civil Engineers code, Underwriters laboratory 2703 safety standard, and the National Electric Code;

4) Select appropriate electrical hardware for data acquisitions and develop in-house test protocols and accompanying test hardware which include custom Arduino and Raspberry PI software and hardware implementations while performing light electronics assembly including soldering and light machinery; and

5) Evaluate proprietary data acquisition and test hardware configurations for their applicability to current Solar PV mounting systems and accessories products being developed.

**Requirements and Qualifications:**

Education; experience; special requirements: employer requires a Master's degree in mechanical engineering or a closely related field and at least two (2) years of work experience in the solar PV mounting systems industry.

Also required

* Demonstrated knowledge of tool design features including roll forming, stamping, injection molding, and extrusion;
* Demonstrated knowledge of analysis software, including Ansys and CFD software;
* Demonstrated knowledge of product development process from planning to completion;
* Demonstrated knowledge of code compliance in regulatory agencies including UL2703, the national electric code (NEC), ASCE7 (civil engineering code), and the IBC (International

Building Code); and

* Demonstrated ability using Arduino hardware and custom software for testing and evaluation of product, including developing the test program, specification of test equipment, data acquisition, and processing of results.

All years of experience may be gained concurrently.

Job Location: North Andover, Massachusetts, United States

Qualified candidates should apply via USPS to:

PanelClaw, Inc.

ATTN: S. Graham

1600 Osgood Street, Suite 2023

North Andover, MA

01845