Job Description – **Lead Mechanical Engineer – Product Development**

Come join us at the nexus of data center technology, artificial intelligence and blockchain computing. As a Mechanical Engineer at Green Revolution Cooling (GRC), you will be responsible for system architecture, design and documentation of key mechanical systems within GRC's products. At GRC, we make the datacenter more efficient, no need for expensive air handlers and allow significant increase of power density per rack, and substantial reduction of PUE (Power Utilization Efficiency).

The ideal candidate would have a solid background in product development and mechanical engineering, strong written and oral communication skills. Candidate must have strong SolidWorks skills and significant experience with sheet metal and weldment design. Additionally, must have experience with CAD structural analysis tools.

With GRC, you are operating in a dynamic technology start-up which is changing the paradigm currently limiting data centers.

Key Responsibilities:

- Knowledge of design and development processes with practical experience in multiple phases of the HW lifecycle: requirements, design, development, integration, and validation/verification
- Creation of detailed, accurate technical data packages including part and system CAD models, part drawings, assembly drawings and bills of material
- Coordinates with other organizations at GRC to solid development projects for timely delivery to the customer installation
- Selects, orders, and tracks the delivery of materials for assigned projects. Coordinates factory-mounting processes to meet factory and project schedule.
- Participates in release meeting with operations/OEM team. Performs value engineering to provide cost effective results while maintaining customer satisfaction.
- Assist EE team to develop high voltage systems.
- Assist EE team to develop PCB design including stack-up analysis
- Adheres to safety standards. High degree of regard to customer, employee and subcontractor safety
- Determine root cause and fault analysis

- Ensure subsequent design changes are documented and transmitted as required to internal and external resources. Suggest/make changes to optimize and improve ROI.

Job Requirements:

- Bachelor's Degree in Mechanical Engineering and a minimum of 10 years of related experience. Master's degree preferred.
- Skilled to mentor and lead other mechanical engineers
- Strong understanding of electro/mechanical systems
- Motor and Pump selection experience
- Experience with heat transfer calculations
- Extensive experience with sheet metal design and weldments
- Effective written and oral communication skills; the ability to interact professionally with diverse groups
- Team-oriented collaborative working style
- Ability to manage multiple projects and deadlines with attention to detail and follow up with minimal supervision
- Highly organized; self-starter
- Able to adapt to changing project priorities in a fast-paced startup environment
- Proficient with SolidWorks part modeling and engineering design tools.
- Eager to learn and adapt quickly, comfortable with some ambiguity and a great sense of humor