Job Description – **Systems/Thermal Engineer – Product Development**

At GRC, we make the datacenter more efficient and enable significant increase of power density per rack. GRC is hiring a Systems/Thermal Engineer to help develop and support our liquid immersion cooling systems for data center and Edge IT systems. As a Systems/Thermal Engineer at Green Revolution Cooling (GRC) you will be responsible for architectures and thermal designs of new products and evolution of existing products.

The ideal candidate would have a solid background in product development with strong written and oral communication skills. Candidate must have proven systems thermal design experience related to fluid flow components (pumps, fans, etc.…) and heat transfer components (brazed plate heat exchanger, finned heat sinks, cooling coils, etc.…). Additionally, must have experience with design for manufacture (DFM) and design for service (DFS). Candidate should also have experience and be able to lead team on Failure Mode Effect Analysis (FMEA).

Key Responsibilities:

- Participation throughout design and development processes with contributions throughout multiple phases of product lifecycle: requirements, design, development, prototype, pilot production, and verification/validation
- Creation of detailed system architecture and thermal design technical data packages including P&I Diagrams, Heat Exchanger Selection, Fluid Moving Systems
- Coordinate with other organizations at GRC to support timely execution of project deliverables
- Selects key components as needed to meet system performance objectives
- Performs value engineering to provide cost effective results while maintaining customer satisfaction
- Assist controls team to develop firmware requirements and their selection of appropriate instrumentation and controls to assure adherence to product requirements documentation
- 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 offer features, quality, and cost

Job Requirements:

- Bachelor's Degree in Mechanical Engineering, Master’s degree preferred
- Minimum of 10 years of related experience
- Familiar with SolidWorks (3D Modeling) and Visio (P&I Diagrams)
- Skilled mentor with ability to lead other engineers
- Strong understanding of electro/mechanical systems
- Experience in fluid moving systems, pumps, fans, and flow controls selection experience
- Experience in developing and overseeing product test plans for thorough verification and validation against all requirements
- Experience with heat transfer calculations and component selection
- Effective written and oral communication skills; the ability to interact professionally with diverse groups
- Eager to learn and adapt quickly, comfortable with some ambiguity
- 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
- Knowledge of relevant standards such as ANSI/ASHRAE 90.1 and ANSI/ASHRAE 90.4.