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

At GRC, we make the datacenter more efficient and enable significant increase of power density per rack. GRC is hiring a Mechanical Engineer to help develop and support our liquid immersion cooling systems for data center and Edge IT systems. As a Mechanical Engineer at Green Revolution Cooling (GRC) you will be responsible for design, documentation, and guidance for more junior MEs.

The ideal candidate would have a solid background in product development focused on mechanical engineering, strong written and oral communication skills. Candidate must have strong SolidWorks 3D CAD skills and significant experience with sheet metal and weldment design. Additionally, must have experience with CAD structural analysis tools and manufacturing process and equipment. Should 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, integration, and verification/validation
- 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 support development projects for timely delivery to the customer installation
- Selects, orders, and tracks the delivery of materials for assigned projects
- Participates in release meeting with Operations and OEM team
- Performs value engineering to provide cost effective results while maintaining customer satisfaction
- Assist EE team to develop high voltage systems, selecting major electromechanical devices such as pumps, fans, etc…
- 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 7 years of related experience
- 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
- Eager to learn and adapt quickly, comfortable with some ambiguity and a greatsense of humor
- 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