

Power Control and Communication Engineer (1 Position available)

VflowTech is a tech start-up based in Singapore, focused on developing next-generation redox flow batteries for large-scale energy storage application. We are expanding our team and looking for a dynamic power electronics engineer to join our team.

The selected candidate will undertake the following key responsibilities:

- Design and develop power control system (includes inverter, DC/DC converters, switches, relay, sensors, power supply, etc.), charge controller, battery management system (BMS) and energy management system (EMS) for flow battery
- Design and develop IoT system for the battery for remote monitoring of performance and remote control
- Long term performance testing of flow battery system at the lab and installation site
- Provide site service to locations where the battery will be installed
- Searching for different vendors, purchasing of necessary components, closely working with contractors, if required
- Supervise masters and bachelor thesis students and interns
- Any other tasks that may be deemed necessary during the development and commercialisation path

Candidates with the following qualification and experience would be ideal for this position:

- PhD/Masters degree in power electronics, electrical or communication engineering with at least 2 years of relevant experience or bachelor degree with 4-5 years of relevant experience
- Understanding of control systems and embedded systems
- Experience with python/C/C++ knowledge
- A strong understanding of power systems (both on and off grid), inverters and other power electronics devices
- Previous background on battery management system (BMS) development of batteries, supercapacitors, etc.
- Basic understanding of vanadium redox flow battery is a plus
- Excellent communication and problem-solving skills
- Should be self-starters and be able to work with minimal direction

Benefits:

- Competitive salary, good working environment and flexible working hours
- Employee stock options.

Qualified or interested candidates, please email your resume to:

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