

Title: Performance Analytics Engineer

Accountable to: Senior Director, Technical Services

Location: Bangalore, India

Seniority: Mid-Senior

Introduction

Edify Engineering solution is a Bangalore based advanced engineering and consulting organization that specializes in Strategic consulting services, Turnkey solutions, Manufacturing and Supply chain management services with a team of 20+ members from various technical & non-technical disciplines. Backed by a combined experience of over 120+ years, we deliver unique & disruptive solutions catering to customer needs and are driven by enthusiasm and endurance to achieve this goal.

Our client, Energy Vault is the creator of renewable energy storage products that are transforming the world's approach to utility-scale energy storage for grid resiliency. Our client's comprehensive offerings include our proprietary gravity, battery, hybrid/green hydrogen energy storage solutions and our technology-agnostic software suite that orchestrates and integrates multiple energy asset types (storage & generation) while optimizing dispatch, costs, revenues, and overall asset performance.

About the role

Energy Vault is looking for a talented Engineer to monitor and evaluate the performance of Energy Vault's energy storage projects to maximize safety, reliability, and productivity. You will be interacting and working with a talented design, software, and operation teams in optimizing and deploying BESS projects and advanced software automation to the power grid. You will have the opportunity to work with emerging power generation technologies in real-world deployments.

What you will do

- Proactively monitor performance and operations for battery energy storage systems using proprietary software management systems.
- Evaluate performance trends of operating equipment to determine operating effectiveness and identify performance deficiencies.
- Compile and maintain reliability statistics of products and components.
- Predict future performance shortfalls and component failures. Predictions will be used by the maintenance team to preempt field failures. Escalate endemic issues to the appropriate management teams (Product Management, Software and Hardware Engineering).
- Create Root-Cause-Analysis for Energy Vault products as well as review vendor RCA's for accuracy and completeness.
- Assist Remote Operating Center engineers as needed and help troubleshoot system performance problems.
- Create periodic (monthly and annual) system performance reports for customers showing key performance metrics (availability, energy capacity, power capacity, efficiency, service history, equipment repairs, etc.).
- Review, administrate and resolve open service tickets as quickly as possible.
- Interface with account service managers and internal teams to investigate and resolve open service tickets.

- Communicate and work with multiple teams while responding to customer escalation to ensure safe operations in a compliant environment.
- Understand and comply with applicable local regulatory requirements and procedures.

Qualification Requirements:

- A solid technical understanding of renewable electrical power generation equipment, protection hardware, software and control systems.
- BS in Electrical/Power Engineering, or equivalent.
- SCADA and power system controls knowledge.
- Knowledge and experience with utility scale battery systems, inverters, EMS software, MV/HV equipment.
- Experience with remote monitoring and control software systems.
- Experience with automation and scripting in Python is preferred.
- Excellent oral and written English language communication skills.
- Knowledge and experience in Microsoft products.
- Capable of working independently in a fast-paced environment.
- Experience performing multiple tasks simultaneously.
- Must be able to work long hours, on weekends, and holidays as needed.
- Required to pass a background check.