

**Position Title:** SCADA Engineer (Mid-level)

**Accountable to:** Principal Solutions Engineer / Sr. Director SCADA and Controls Engineering

**Location:** Bangalore, India

**Seniority:** Mid-level

### **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:**

We are looking for an entry-mid level SCADA Engineer – Energy Storage Systems (ESS) to join our team. This role covers a broad range of skill set in power grid controls/automation, data acquisition, and IT networking. As our perfect candidate for the role, you will be responsible for envisioning, designing, and engineering SCADA and Automation solutions for technology agnostic energy storage systems. As we rapidly grow and deliver several projects simultaneously globally, you will help document and build scalable processes, technical solutions, and products.

### **What you will do:**

- Support the engineering, commissioning, and implementation of SCADA & Automation of the energy storage systems. This includes but is not limited to:
- Work with customer to determine system requirements and verify our solution will meet and exceed our customer's requirements
- Oversee SCADA implementation requirements and implement by following industry best practices
- Collaborate with cross functional teams and support as subject matter expert
- Prepare and maintain SCADA solution technical documents such as all technical design philosophy, data lists, bill of material, diagrams, and layouts
- Analyzing data collected in the Energy Management System to quickly assess site performance
- Maintaining documentation for system level control, network, configurations and updates. This includes but is not limited to:
  - Control Narrative, Software Functional Description, Communication Flow
  - Network Concept Diagram, Rack Elevation Diagram,
  - IP List, Port Level Diagram, Customer Interface Specification
  - SCADA point lists – system and vendor
  - Support solution engineers to design and finalize the SCADA map for vendor specific devices

- Support the Real Time Automation Controller (RTAC) project build including device configuration, mapping, IEC-61131 structured-text/logical programming
- Enable commissioning director and project engineers on site with tools for successful completion of project
- Work with software and EMS team to build necessary asset management tools and features
- Support the DevSecOps team in procuring appropriate equipment,
- Ensuring the equipment and system comply with industry regulations and cybersecurity standards.

**What a qualified candidate should possess:**

- Bachelor's degree in electrical or computer engineering, MS is a plus.
- 3-8 years of experience in SCADA and PLC development or application engineering role
- Thorough knowledge of communication protocols such as Modbus RTU/TCP, DNP3.0, PROFINET and IEC 61850
- Working knowledge on SEL RTAC, SEL Relays & Meters and SCADA gateways
- Experience with point-to-point testing and communication protocol troubleshooting
- Experience with network switches, firewalls, patch panels, media converters (fiber/serial) and security requirements such as NERC CIP, IEC 62443 etc.
- Understanding ring network redundancy concepts such as MRP is a plus
- Technical knowledge of inverter-based generation systems, renewable energy, and energy storage industry a plus
- Willingness to travel - domestically and internationally