

## Cogentrix Energy Power Management, LLC. Job Description

<b>Date:</b>	February 2023
<b>Department/Functional Area:</b>	Information Technology
<b>Position Title:</b>	Network Engineer

### ORGANIZATIONAL RELATIONSHIP:

#### Current Incumbent(s):

**Reports to (title):** Manager, Network Infrastructure

**Supervises (title):** None

**Location(s):** Charlotte, NC

### GENERAL FUNCTION:

Responsible for providing IT network services for the Cogentrix corporate office, power plants and remote offices, including engineering network solutions and architecture.

Provide support services for all network routers, switches, firewalls, hubs, VoIP phones, wireless controllers and access points. Interact with team members at plant sites, corporate headquarters as well as work within branches of the IT team to develop and execute delivery of solutions

Provide the company with critical skills required to engineer and maintain a secure and available IT Infrastructure in a fast-paced IT environment. Research and propose solutions to keep the network on the leading edge of technology and find areas to reduce inefficient usage of company resources.

### MAJOR DUTIES AND RESPONSIBILITIES:

1. Configure and support network systems, security systems and related software. (Cisco routers and switches, including Nexus 9K; Palo Alto, FortiGate, and Cisco firewalls, Panorama and FortiManager; Aruba, Ubiquiti, FortiAP, and Cisco wireless; RADIUS/TACACS+; Pulse Connect Secure; Mitel/Shoretel VoIP systems; 4G modems)
2. Maintain and configure network routing protocols for LAN and WAN systems (primarily EIGRP), including SD-WAN solutions.
3. Support site to site and remote access VPNs; GRE IPsec tunnels
4. Engineer and implement network solutions to meet the needs of the business in an efficient manner.
5. Update system firmware and software to ensure optimal security.

6. Troubleshoot and resolve network issues in a timely manner, when required.
7. Manage support issues related to all telecom services (T1, Ethernet, Fiber, PRI, 4G). Works directly with ISPs.
8. Ensure technical and support documentation are updated and accurate (Visio)
9. Manage and maintain underlying core infrastructure systems (802.1Q, HSRP, SNMP, Netflow, SolarWinds, phpIPAM).
10. Identify opportunities and recommend solutions to improve overall network architecture, performance, and availability.
11. Ensure confidentiality, integrity, and availability of all related systems and data.
12. Work with IT team and business to meet overall IT related business needs.
13. Ability to travel up to 10%
14. Ability to respond to work occasionally after hours for emergencies or scheduled maintenance.

#### **EDUCATION/EXPERIENCE REQUIRED:**

1. Bachelor's Degree in Computer Science or relevant work experience.
2. Strong knowledge of the OSI network model.
3. FortiGate firewall configuration and management experience required.
4. Experience with the Fortinet security platform a plus.
5. Experience with industrial controls systems a plus.
6. CCNA/CCNP with 5 or more years of real-world LAN/WAN network and security experience.
7. Extensive experience with Cisco IOS. Demonstrated knowledge of TCP/IP, routing and switching.
8. Experience with developing and maintaining access controls and firewall rules to maximize security.
9. Strong written, verbal communication skills as well as presentation skills.
10. Must be able to take initiative and ownership responsibility for projects.
11. Must display teamwork and collaboration between all departments and locations.
12. Have a commitment to the highest ethical standards in IT.