VACANCY – SCADA NETWORK ENGINEER

Applications are invited from interested and suitably qualified individuals for the position of **SCADA Network Engineer FortisTCI,** Providenciales.

Description

- The purpose of this position is to design, program, configure, secure, troubleshoot and maintain the Supervisory Control and Data Acquisition (SCADA) networks, software and control system for the FortisTCI power Plant Network.
- Responsible for performing general system administration; utilizing technical resources on projects; installing and configuring servers, Ethernet switches and firewalls; conducting routine preventive maintenance on all hardware; troubleshooting problems;

Main Duties

- Design, implement, and maintain SCADA network architectures, including LAN, WAN, and wireless networks, to support the effective monitoring and control of industrial processes.
- Configure and optimize SCADA systems, ensuring seamless integration with industrial control devices, sensors, and field equipment.
- Responsible for liaising with IT Corporate Security to establish and maintain data and network security for OT Network
- Develop, implement and maintain policies, procedures, and associated protocol for SCADA network administration, usage, and reliability and disaster recovery.
- Monitors SCADA network performance and troubleshoots problem areas as needed.
- Collaborate with cross-functional teams, including IT network Administrators, Engineering, Contractors, Operators and cybersecurity specialists, to ensure the seamless integration and optimal operation of SCADA networks.
- Review and provide input on engineer project designs. Oversee contractor implementation of SCADA equipment and programming.
- Responsible for maintaining SCADA network monitoring software with all device addresses and receive/respond to alerts accordingly.
- Responsible for assisting IT Network administrators with performing system data backups, system patches, and server software upgrades as required.
- Tracks, maintains and updates inventory of hardware and software installations, desktop computers and peripheral equipment to ensure that minimum amount of spares is maintained.
- Provide training and knowledge sharing sessions to internal teams on SCADA network best practices, protocols, and cybersecurity measures.
- Ensure compliance to the company's Environmental, Health and Safety policies and procedures when on the plant site and during the execution of work duties.
- Operate company vehicles (including forklifts) as required in a manner consistent with company policy and TCI traffic regulations.
- Be available to respond to emergencies at all times outside of regular working hours, as may be required by plant contingency.
- Perform other job related duties as assigned by the Director of Energy Production.

Academic/Technical/Management Qualifications

- A Minimum of a Bachelor's degree in Computer Science, Electrical Engineering, or a related field.
- Minimum of five years of experience in designing, implementing, and supporting SCADA networks in an industrial environment, preferably a Power Plant environment
- Strong understanding of TCP/IP, Ethernet, LAN/WAN protocols, routing, switching, VLANs, and VPN technologies. Experience with SCADA protocols such as Modbus, DNP3, and OPC is preferred.
- Solid knowledge of industrial control system (ICS) security principles, including network segmentation, intrusion detection/prevention, authentication, encryption, and vulnerability management.
- Proficient in diagnosing and resolving network issues using network analysis tools and methodologies.
- Experience with network equipment, such as routers, switches, firewalls, and wireless access points. Familiarity with SCADA software (Wonderware), HMI systems, and programming languages (Allen Bradley) is advantageous.

<u>Abilities/Skills/Experience</u>
- Excellent team player and team building skills
- Excellent written and oral communication skills in English
- Must be a self-starter with a high drive for results
- Strong attention to detail
- Must have good time management skills and be able to handle multiple tasks at same time.
- Strong analytical and problem solving skills.
- Ability to plan, schedule and coordinate project teams.

Salary commensurate with experience and qualifications