

Building & Utility Automation & Energy Management Engineer (HVAC)

工作职责

The Building & Utility Automation & Energy Management Engineer is responsible for the design, implementation, optimization, and maintenance of automation, controls, and energy management systems across industrial facilities in Mexico and the America region. This role ensures that building systems and utilities operate efficiently, safely, and reliably by applying advanced automation technologies, data analytics, metering strategies, and energy optimization techniques.

Key Responsibilities

- Design and optimize automation and control systems for HVAC, chilled water, compressed air, boilers, pumping stations, lighting, water systems, and BMS/SCADA platforms.
- Support programming and troubleshooting of PLCs, HMIs, SCADA, BMS, and DDC systems.
- Develop specifications and standards for automation hardware, networks, and control architecture.
- Ensure OT cybersecurity compliance and collaborate with IT/OT teams.
- Integrate new equipment into existing automation platforms using BACnet, Modbus, Ethernet/IP, OPC-UA.
- Lead energy optimization projects for electricity, steam, water, compressed air, HVAC, and utilities.
- Perform energy audits, efficiency analysis, load profiling, and create energy dashboards.
- Identify and implement actions to reduce energy use and operating costs.
- Manage automation and energy projects from concept through commissioning.
- Prepare technical specifications, functional descriptions, and control narratives.
- Lead FAT/SAT, commissioning, validation, and system handover.
- Maintain automation standards, documentation, and asset information.
- Implement preventive and predictive maintenance for automation and energy systems.



职位号码

REF95833J

工作职能

工程

所在地

San Luis Potosí

领导力级别

个人贡献者

工作场所灵活度

现场办公

招聘专员

Sergio Gonzalez

法律实体名称

ContiTech Mexicana, S. de R.L. de C.V.

- Ensure compliance with NOM, NFPA, IEEE, ASHRAE, ISA, and international standards.

职位要求

- Bachelor's degree in Electrical Engineering, Mechatronics, Automation, Mechanical, or related field.
- At least 3 years of automation, controls, BMS, or utility systems experience.
- Experience with PLCs, BMS/SCADA, industrial communication protocols.
- Experience with energy analysis, metering, and efficiency improvements.
- Ability to interpret electrical diagrams, P&IDs, and control logic.
- Experience leading CAPEX automation or energy projects.
- Knowledge of OT cybersecurity.
- Intermediate/advanced English proficiency.

我们可以提供

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Guided by the vision of being the customer's first choice for material-driven solutions, the ContiTech group sector focuses on development competence and material expertise for products and systems made of rubber, plastics, metal, and fabrics. These can also be equipped with electronic components in order to optimize them functionally for individual services. ContiTech's industrial growth areas are primarily in the areas of energy, agriculture, construction, and surfaces. In addition, ContiTech serves the automotive and transportation industries as well as

rail transport.