

Building & Utility Automation & Energy Management Engineer (HVAC)

Descrição da função

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.

Identificação da vaga
REF95833J

Área funcional
Engineering

Local
San Luis Potosí

Nível de liderança
Leading Self

Modalidade de trabalho
Onsite Job

Contato
Sergio Gonzalez

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

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

Requisitos

- 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.

O que oferecemos

At Continental we are committed to building an inclusive and discrimination-free ecosystem in Mexico, these principles are rooted in our corporate philosophy and culture. Therefore, it is totally forbidden to request a pregnancy or HIV test as part of our selection processes. At Continental we are committed to building an inclusive and discrimination-free ecosystem in Mexico, these principles are rooted in our corporate philosophy and culture. Therefore, it is totally forbidden to request a pregnancy or HIV test as part of our selection processes.

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Quem somos

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent, and affordable solutions for vehicles, machines, traffic and transportation. In 2023, Continental generated sales of €41.4 billion and currently employs around 200,000 people in 56 countries and markets.

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.