

Energy Engineer

Location: Dallas, TX

Start Date: Immediate

Employment Type: Permanent/Full Time

Scope

As an Energy Engineer you will be responsible for the design and preparation of energy systems using company tools and operating standards to produce the most cost effective, energy efficient solutions for our customers.

Duties

As an Energy Engineer with Core Solutions you will be part of a team that is responsible for the development, design, or construction of energy conservation projects to ensure acceptability of budgets and time lines, conformance to federal and state laws, or adherence to approved specifications using knowledge of engineering.

- Prepare energy-related project reports or related documentation for customers' energy systems including heating, ventilating, and air conditioning (HVAC systems) or daylighting systems and verify energy bills and meter readings using Microsoft Excel and Microsoft Visual Basic for Applications.
- Manage the development, design, or construction of energy conservation projects to ensure acceptability of budgets and time lines, conformance to federal and state laws, or adherence to approved specifications using knowledge of engineering.
- Monitor energy systems, including heating, ventilating, and air conditioning (HVAC systems) or daylighting systems to determine energy use or potential energy savings by creating custom logic.
- Write energy management routines and functional test script for building automation systems using Microsoft Words.
- Collect data for energy conservation analyses, using jobsite observation, field inspections using handheld thermometer, notebook computers.
- Perform energy modeling, measurement, verification using knowledge of thermodynamics, heat transfer, aerodynamics, and fluid mechanics.
- Study blueprints, design specifications, or manufacturers' recommendations to ascertain the configuration of heating or cooling equipment components and to ensure the proper installation of components by researching with personnel computer.
- Direct the implementation of energy management projects using Microsoft Visio.
- Design integrated energy saving systems, such as cooling systems with natural ventilation systems, to improve energy efficiency and evaluate mechanical design for energy performance or environmental impact using Microsoft Visio and WebCTRL and i-Vu Systems.

Minimum Requirements

- Bachelor's degree in Energy Engineering, industrial engineering or mechanical engineering
- 1 year experience in HVAC systems and using Microsoft Visio, WebCTRL and i-Vu Systems.

Whom to Contact

Company: Core Solutions

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