Energy Engineer

ROBERT SMITH

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Objective

Accomplished at developing new business and managing engagements, including recruiting and developing teams to consistently complete projects on time and within budget.

Skills

Engineering, Technical Skills.

Work Experience

Energy Engineer

ABC Corporation - January 1999 – November 2003

- Supported waste reduction and improvements in productivity in the US industrial sector.
- Built Envelope Modeling using DOE-2 Data collections of the buildings climate, construction, operation, utility rate schedule, and heating.
- Developed many energy conservation measures (ECM) for reducing buildings and process energy consumption using Dataloggers.
- Developed automated commercial building energy analytics using the SAS JMP platform and its associated scripting language.
- Provided statistical modeling and/or analysis support for utility clients as well as weather-normalized billing analysis in support of residential energy efficiency.
- Provided independent, third-party review of performance contracting initiatives for NC- based institutions.
- Performed analysis of field-monitored HVAC ventilation systems electrical consumption Supported high-occupancy vehicle performance.

Energy Engineer

ABC Corporation - 1995 – 1999

- Oversight for installation of two renewable projects; 1kW Photovoltaic system, and a Solar Thermal Water Heating pilot project as well as the first 1MW ground mount solar farm in Florida.
- Review energy audits and identify cost effective energy measures.
- Publish monthly, quarterly, and yearly utility data.
- Track Energy Use Index (EUI) to ensure compliance with federal goals.
- Perform design reviews, energy forecasting, monitor and collect utility data, implement energy / utilities projects for federal facilities.
- Initiate and justify energy conservation measures through feasibility and life cycle cost analysis.
- Reviewed ESPC for CCAFS..

Education

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Ph.D. in Industrial & Manufacturing Engineering - 1999(West Virginia University - Morgantown, WV)

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