
Calvin W. Wohlert, P.E.
Energy Engineering and Project Development

*B.S. Mechanical
Engineering
Colorado State University
1993*

*Registered Professional
Engineer*

➤ *State of Colorado*

Calvin serves as a Project Developer and Energy Engineer. Calvin's Education and Career has remained focused on energy efficiency and other energy related issues. He is a seasoned energy engineer and project developer with a significant history of performing energy engineering studies in the commercial, federal, and industrial sectors. His project development experience consists project development and justification through cost savings produced in the areas of energy, water, wastewater, and operation and maintenance cost reductions. He has worked with a variety of project capital funding structures including leasing mechanisms, capital replacement accelerations, and customer sharing agreements. His experience includes client and contractor relations, the troubleshooting, retrofit, and redesign of HVAC, controls, and hydronic systems, energy audits, feasibility studies, utility rate opportunities analysis, computer simulations (DOE2.1E, Visual Doe, Trane Trace, CHVAC, etc.), field measurement, documentation, and cost estimating.

Relevant Experience

- ▶ **Suiza Foods Corp.** - Performed as Midwest Regional development lead managing project development activities in 12 production facilities. Personally developed and gained approval on approximately 35 projects resulting in over 10 million kWh and 355,000 therms of energy savings at an average payback of 2.4 years.
- ▶ **Simon Property Group** – Performed project development and energy engineering for over \$3.6 million dollars of project work at multiple sites. Projects included, major HVAC modifications, total central chilled water plant replacement, central plant optimizations, Energy Management Control Systems, VFD's, and lighting improvements.
- ▶ **Engineering Sales Support** – Performed preliminary energy analysis and sales support for a wide variety of commercial and industrial clients such as: BP Amoco, Schmalbech Lubeca, Consolidated Container, Dial, Meristar Properties, Keebler Foods, Presidents Baking, McLean-Fogg, and others. Worked with sales force to assess customer opportunity potential for energy service work. Supported sales and deal structuring in the assessment of portfolio wide project value assessments.

- ▶ **Regional Technical Best Practices Lead** – Performed as regional technical best practices lead for industrial/ammonia refrigeration technologies. Responsibilities consisted of serving as a regional resource for contractor information, and interfaces for corporate technical best practices and standard system modeling procedures.
- ▶ **Fort Riley** - Primary engineer responsible for energy analysis of a feasibility study for the installation of a base wide Energy Monitoring Controls System (EMCS) consisting of 216 buildings located in Fort Riley, KS.
- ▶ **Fort Richardson** - Project Manager for energy conservation study on two motor pools totaling 63,000 square feet in Fort Richardson, AK. Project anticipated an energy consumption reduction of 48% resulting in approximately \$84,000 in annual energy savings.
- ▶ **Defense Commissary Agency**- Assisted in the development of a Defense Commissary Agency Facility Energy Supervisors Handbook, designed to teach commissary energy supervisors how to identify, quantify, and implement energy conservation measures in commissaries worldwide.
- ▶ **DFAS Controls Design** – Lead Engineer for the design of a campus wide Utility Monitoring and Control System (UMCS) covering six buildings located at the Defense Financing and Accounting System.
- ▶ **Hospital Design & Troubleshooting** – Developed and implemented a graphical flow analysis tool in Microsoft Excel for the redesign of nineteen HVAC systems serving approximately 1,800 rooms in a 400,000 square foot hospital.
- ▶ **Church Of Latter Day Saints**- Performed field survey and engineering analysis for the retrofit of a 575,000 square foot under ground parking facility ventilation system. Retrofits will reduce energy consumption across 315 hp of fan and heating system by approximately 70% resulting in slightly under a 2-year simple payback.