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***Michael J. Stears, P.E. C.E.M.***  
***Project Development and Management***

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*B.S. Electrical  
Engineering  
Michigan Technological  
University - 1978*

*Registered Professional  
Engineer*

- *State of Kansas*
- *State of Indiana*

Mike has a broad background in business and project development and performs both Project Development and Project Management. He has worked in many different types of industrial, commercial, and institutional facilities. Mike is experienced in project development and project management of engineering and construction projects. His experience includes energy audits, power quality audits, rate analysis, troubleshooting, planning, conceptual design, quality control, scheduling, cost control, procurement, and construction. He has worked on chilled water systems, boiler systems, control systems, air handling systems, lighting systems, process systems, and electrical systems. Mike has also been involved in business startup, development of marketing and sales programs, project financing, and customer education and training.

**Relevant Experience**

- ▶ **Unilever** – Performed project development and project management for multiple facilities to identify and implement energy cost reduction opportunities. Opportunities included, HVAC, compressed air, boiler optimization, heat recovery, and lighting.
- ▶ **Owens Corning** – Performed project development and project management for multiple facilities to identify and implement low cost operational and energy cost reduction opportunities as well as capital based cost reduction opportunities. Opportunities included steam systems, compressed air systems, curing oven optimization, melter optimization, lighting, and others.
- ▶ **AT&T** – Part of Solution Dynamics team that performed Phase I facility energy audits to identify, quantify, and qualify potential opportunities for reducing facility energy related cost. Effort included 14 buildings at 8 sites located in 8 states with over 2.5 million square feet of space and over \$6.5 million in annual energy spend and was completed in 8 weeks.
- ▶ **Sandia National Labs** – Responsible for building energy simulation for new Center for Integrated Nanotechnology that was performed for HDR Architecture and Engineering to verify the design of the facility for LEEDS certification.

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- ▶ **Ocean Spray** – Performed as National Development Lead to lead effort across multiple sites for the development of multiple projects including compressed air, boiler economizers, lighting, VFD installations, chilled water system upgrades, control systems, and heat recovery.
- ▶ **Quebecor World Color** - Performed project development and project management for projects at multiple sites including centralization of distributed process chillers into a central chilled water plant, installation of air compressor controls, replacement of steam boiler, installation of IR heating, and lighting improvements.
- ▶ **Tyco Healthcare** - Performed project development and project management for modifications to 1500 ton process and HVAC chilled water system including new chillers, VFD's on pumps, and piping configuration modifications
- ▶ **Flamingo Casino** – Performed energy analysis for Flamingo Casino and made energy savings recommendations.
- ▶ **U S Steel** – Performed project development and project management large power quality study for Gary Works site. Project included engineering analysis of power system and effects of large load variations on electrical system.
- ▶ **Amoco Chemical** – Performed engineering and project management of power quality study for power system.
- ▶ **Minnesota Mining and Manufacturing** - Performed engineering analysis and project management for harmonic study performed on power system.
- ▶ **Northern Indiana Public Service Co.** - Performed engineering and project management for multiple electric substation projects. Projects ranged from 12.5 KV distribution substations to 345 KV transmission substations.
- ▶ **Northern Indiana Public Service Co.** – Performed numerous power quality audits of customer facilities. Audits included investigation and resolution of power quality problems. Customers included commercial properties, manufacturing and assembly plants, light industrial plants, and heavy industrial plants.