

GEORGE M (MIKE) ZIEGLER, PE, CEM

3450 Nordic Way Drive

Maumee, OH 43537

Email: gmikeziegler@gmail.com

Phone: 419.819.0896

CAREER SUMMARY

Results-driven Engineer with background as Project and **Energy Manager**. Recognized for understanding and exceeding customer expectations. Communication skills keep stakeholders informed and engaged. Consistent highly rated performer.

Licensed Professional Engineer – Extensive industrial facilities and equipment capital delivery experience. Broad Project Engineer/**Project Manager**:

- Developed and implemented economic solutions to wide range of industrial plant needs and technical issues.
- Quickly responded and implemented mitigation plans to events threatening operations.

Certified Energy Manager – Expertise in developing energy management programs, using engineering skills to find opportunities and people skills to get results:

- Achieved \$3 million per year savings in Low-Cost No-Cost Project.
- Reduced energy usage by 12% by instituting Energy Management System.
- Implemented cutting edge Energy Management System.

PROFESSIONAL EXPERIENCE

OWENS CORNING, Toledo, OH

1982-2009

\$5 billion global manufacture of building materials and composite reinforcement materials.

Special Projects Engineer, Sustainability, Toledo, OH

2007-2009

Technical expert supporting business units demand reduction activities, and investigation of **renewable energy**.

- Conceived and developed **Energy Management System** implemented in business unit with \$100 million of energy costs and as company prototype.
 - Provided regression-based scorecard, normalized for weather and production statistics; energy breakdown by line and process area to increase potential savings.
- Arranged and participated in audit teams identifying **\$5 million per year of savings**. Simple payback 1.3 year.
- Saved \$400,000 per year by instituting audits of natural gas piping with new technology that allows visualization of leaks. Simple payback 4 months.
- Investigated wind and solar power for Owens Corning facilities, technical resource for solar installation in NJ.

Energy Leader, Sourcing Energy Group, Granville & Toledo, OH

2002-2007

Low-Cost No-Cost, LCNC, efficiency programs in Insulation Systems Business; Roofing and Asphalt Division Energy Efficiency Leader.

- Achieved **12% efficiency gain** as a result of instituting energy management program. Organized and led steering team and plant team leaders. Instituted energy management practices, developed metrics and drove performance.
- Led implementation of LCNC savings of **\$1 million per year**. Served as liaison with consultants as plant representative for company's largest plant.
- Expedited completion of LCNC opportunities at 5 additional plants assuring full project savings of over **\$2 million per year**.

Engineer to Special Projects Engineer - Capital Delivery, Granville and Toledo, OH

1982-2002 Performed design engineering, design management, project management with increasing responsibility in division and corporate capital delivery groups.

- Received Corporate Finance Outstanding **Achievement Award** as part of Engineering Safety Committee. Implemented new Design Safety Review process and improved construction contract safety documents.
- Enabled prompt restart of plants after disasters: earthquake, roof collapse and fire by quick structural assessments and implementation of repairs.
- Achieved on time start up of safe reliable manufacturing plant by **managing multidiscipline design team** on \$8 million project taking from pilot operation to full scale production.
- Contributed to exceeding startup curve on roofing plant expansion. Led engineering for facilities, raw material unload, storage and transfer. **Controlled \$6 million of \$30 million** installed project cost.
- **Averted threatened shut down** of plant rail spur by promptly scoping economic repairs while obtaining railroad agreement on implementation plan.
- Reconstructed 3 million gallon tank and failed foundation, mitigated risk to adjacent tanks, while assuring insurance company claim payment and minimizing downtime.
- Exceeded customer expectations completing \$2 million project without disruption on schedule and below budget. Improvements included drainage improvements, flood protection, roadway paving and outside palletized product storage area construction.
- Maintained safe flow of Asphalt by ship to plant. Worked with Corporate Real Estate and Asphalt Sourcing to secure new long-term docking and unloading rights on neighboring property. Project completed on time, under budget, without disruption of supply.
- Successfully completed first dense-phase, granule-conveying project in Roofing Division, originally. Took from pilot test to operation, on time and budget.

EDUCATION and CREDENTIALS

MSCE, Structures/Soils, University of Toledo, Toledo, Ohio

BSCE, Structures, University of Toledo, Toledo, Ohio

Professional Engineer, State of Ohio

Certified Energy Manager, Association of Energy Engineers

PROFESSIONAL DEVELOPMENT

Six Sigma, 120 hours green belt training by *Six Sigma Qualtec*

DOE, Industrial Software Suite Training