

Ted Schnipper

FACILITIES ENGINEER

Malvern, PA - Email me on Indeed: [indeed.com/r/Ted-Schnipper/9216013eb4bfe787](https://www.indeed.com/r/Ted-Schnipper/9216013eb4bfe787)

Professional Engineer and Certified Energy Manager with proven success leading efforts to meet facility operational and manufacturing needs within pharmaceutical, aerospace, semiconductor and other industries, along with non-profit (colleges and hospitals) and government organizations. Supervised engineers and contractors to meet company and client objectives. Key Strengths: ● Facility Assessment and Analysis ● Energy Reduction - greater than \$1.5MM ● Team Development ● HVAC, Mechanical and Electrical Systems ● Project Management ● Root-Cause-Analysis ● Operational and Maintenance Reliability ● Safety ● Published Engineering Guidelines ● Building Management Systems ● Utility and capital budgets ● Commissioning

WORK EXPERIENCE

PRINCIPAL ENGINEER

Pfizer, Inc - Collegeville, PA - 2001 to 2010

Provided facility engineering leadership and subject matter expertise within various R&D and manufacturing operations worldwide.

- Managed, developed and edited greater than 18 global engineering guidelines/standards for more than 40 sites. Guidelines addressed asset life cycle management to achieve best Total Cost of Ownership (TCO).
- Collaborated with various laboratories on projects, investigations, and maintenance
- Attained in excess of \$1.5 MM energy and operations savings from initiating and managing an HVAC Air Filtration Program.
- Evaluated and provided recommendations for HVAC, mechanical and electrical equipment/systems to achieve robust operations and reduced energy and maintenance costs (chillers, cooling towers, boilers, air filtration, compressed air, Energy Management Systems, high purity water, lighting, etc.).
- Developed protocols and coordinated product testing and verification (factory and site acceptances and commissioning) to minimize delays and meet commissioning and qualification requirements.
- Was a Subject Matter Expert and assessed and optimized and implemented sustainability practices for various facility systems (\$5MM+).
- Reviewed and provided recommendations to the regulatory guidances for FDA, EMEA, WHO.
- Chairperson for a Pharmaceutical Engineering Roundtable to provide standardized practices.
- Evaluated and provided guidance for cold stores to reduce product loss.

FACILITIES MECHANICAL ENGINEER

IBM - Microelectronics Division - Fishkill, NY - 1999 to 2001

Principal lead for facility and project engineering for key operations including R&D, clean rooms, data center, laboratory, and semiconductor manufacturing buildings. This included HVAC, compressed & UHP gases, DI & RO waters, treated and waste waters and fire protection.

- Managed various manufacturing and facility projects (\$4MM+)
- Identified and developed opportunities for energy reduction and equipment up-time
- Project responsibility for planning, procurement, budgeting, design, environmental impact
- Provided root-cause failure analysis, trouble-shooting and safety reporting

ENGINEERING MANAGER

ERI SERVICES, Inc - Bridgeport, CT - 1997 to 1999

Managed facility engineering and energy reduction projects from assessment through development, installation and commissioning for various customers including educational, healthcare, federal, retail and industrial facilities for this energy conservation company.

- Directed the effort to resolve operational deficiencies, and system capacity, increase reliability and establish sustainability plans.
- Managed engineers and contractors to meet customer deliverables.
- Reduced operating and maintenance expenses 15 - 25 %
- Developed projects in excess of \$5 MM.
- Recommended predictive and preventive maintenance practices and conducted training.
- Managed and monitored Energy Management Systems to optimize operations.

ENERGY ENGINEER

PFIZER, Inc - Groton, CT - 1995 to 1997

Initiated and implemented building & utility energy projects at this two million square foot, pharmaceutical research and development campus facility. The site is a very large and extensive laboratory and animal facility. Directly responsible for the audit, design, specification, RFPs, implementation, operational integrity and trouble-shooting of mechanical (HVAC, clean rooms, chillers, boilers, pumps, pneumatics) and electrical (lighting, motors, VFDs, BMS) systems. Developed operating and construction budgets.

- Managed \$10MM utility/energy budget and projects in excess of \$1MM
- Performed safety, projects and maintenance activities within laboratories
- Reduced site energy usage by \$400,000
- Leader for the Division's Energy Management Team that produced energy newsletters and implementation of new technologies that reduced energy and maintenance costs.
- Provided training to maintenance personnel.

OTHER RELEVANT EXPERIENCE

PROJECT MANAGER: PROVEN ALTERNATIVES, Inc. - Bala Cynwd, PA

Directed and performed site assessments to identify energy conservation and facility projects within healthcare, educational, governmental, commercial and industrial facilities. Activities including analysis, design, presentation, construction, procurement and commissioning and measurement and verification of savings.

- Energy projects included such notable technologies in HVAC, lighting, electrical, building management systems and solar (\$3MM)
- Supervision of engineering staff, recruitment and safety training
- Conducted customer training of technologies
- Negotiated contracts with customers and contractors

PLANT ENGINEER: GE - Aerospace Division - King of Prussia, PA

Managed facility engineering activities and projects from conception through construction associated with utilities (mechanical & electrical), manufacturing, energy conservation, pollution control, safety, security and fire protection and grounds keeping within this multi-building aerospace company. Tasks included planning, design, specification, procurement, quality control, change management, predictive and preventive maintenance (CMMS), construction coordination and trouble-shooting.

- Managed hazardous waste material records and storm water discharges reporting to EPA.
- Initiated sustainability programs for facilities, utilities and waste
- Developed and managed utility budget of \$5MM+
- Reduced operating expenses by 15% and improved energy awareness
- Optimized the operation of the Building and Energy Management System
- Supervised engineering and maintenance personnel and conducted safety training

Facilities Engineer

GE - Aerospace Division - King of Prussia, PA

Managed facility engineering activities and projects from conception through construction associated with utilities (mechanical & electrical), manufacturing, energy conservation, pollution control, safety, security and fire protection and grounds keeping within this multi-building aerospace company. Tasks included planning, design, specification, procurement, quality control, change management, predictive and preventive maintenance (CMMS), construction coordination and trouble-shooting.

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EDUCATION

BSME in Mechanical Engineering

Temple U - Philadelphia, PA

Master's Certificate in Project Management

George Washington U - Washington, DC

ADDITIONAL INFORMATION

LICENSES

- Professional Engineer - PA, NJ, & FL
- Certified Energy Manager (CEM) – AEE
- Certified Energy Auditor (CEA) - AEE
- Certified Lighting Efficiency Professional - AEE