

David Gulick, P.E.

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PROJECT MANAGER

PROBLEM SOLVING | COMMUNICATION | LEADING PROJECTS

In my 36 years of professional engineer experience, I have repeatedly driven capital construction projects from their inception through to completion ranging from \$15 million to \$130 million. These projects included new construction as well as renovation work. My knowledge and experience in the means and methods of construction and leading cross functional teams, brings me to the forefront where I will deliver your next quality project on schedule and within budget.

- Devised and initiated an alternate HVAC concept to recover 4 months out of a 16-month construction schedule for The Science & Engineering Center and The Commons (SECC) project which also increased the usable area inside the building by 1,800 sf.
- Creatively used State funding to reduce cost in construction by reallocating capital from furniture toward modular walls in renovation work. Estimated savings \$1 million.

Reliable | Energetic | Dependability | Conscientious | Independent | Goal-Oriented | Organized
Professional Mechanical Engineer | Project Management | Facilities Design and Construction
Analytical Thinking | Budget Management | Team Worker | Customer Service | Real Estate Manager

EMPLOYMENT EXPERIENCE:

- GULICK RESTORATION LLC, Norwood, PA; Principal Owner 11/19-Present
Initiated my own business in residential restoration to change the character of neighborhoods by improving on the outdated condition and inefficiency of properties. Resulting in six residential improvements to date. Currently working remotely.
- GULICK ENGINEERING LLC, Norwood, PA; Mechanical Engineer 8/15-9/21
Cultivated and drove contracts through to completion in Real Estate structural analysis and Forensic Engineering. The most recent project involved historical preservation at Lincoln University.
- WEST CHESTER UNIVERSITY, West Chester, PA; Project Manager 3/95-7/20
Expert in management of State and Governmental capital projects in Facilities Design and Construction. Initiating with the design/sketch phase continuing through construction and finishing with the commissioning phase. Largest capital project completed was \$130 million for a 176,000 sf facility.
- Saved the underfunded Schmucker Science Center Renovation by value-engineering and collaborating with the end users to find a product that everyone could work with. Cost reduction valued over \$1 million.
 - Spearheaded effective communication between end users, contractors, engineers/architects, and stakeholders to maintain construction project schedules with minimal cost changes. Negotiated contractor and professional claims to reduce or negate the impact on delivery time and expense.

WORTHINGTON STEEL MALVERN, Malvern, PA; Project Engineer 2/89-7/94

Utilized C.A.D. to design and trouble shoot installations of capital and plant equipment projects thereby reducing the installation time with a lower cost.

- Pursued solving production problems collaborating with the workforce. From this developed CAD production drawings, procured material, and managed the manufacturing and final installation of the new equipment.
- Capital projects incorporating and engineered with CAD were:
 - o spearheaded engineering and construction for installation of twelve EBNER hydrogen annealing furnaces, structural and utilities which increased production rate.
 - o designed and installation of a 3 Khz high frequency induction heater to increase electric usage resulting in a lower utility rate for the whole company.
 - o designed and implementation of caustic soda sparger system for zinc plating line which reduced buildup on edges and made for a safer, more productive working environment.

DOMUS ENTERPRISES, Germantown, PA; Mechanical Estimator 8/87-1/89

Estimated bid prices for plumbing, piping and HVAC projects. Awarded projects were tracked concerning cost expenditures and hours spent in order to maintain or exceed original profit margin.

PHILADELPHIA GEAR CORP., King Of Prussia, PA; Application Engineer 8/85-6/87

Promoted to design gearboxes suited for our customer's particular applications while also performing the function of a Project Engineer resulting in a seamless deliverable.

LICENSES:

Registered Professional Engineer in Pennsylvania

EDUCATION:

Bachelor of Science in Mechanical Engineering
Pennsylvania State University, University Park, PA

Bachelor of Arts in Natural Science in Physics
Lock Haven University, Lock Haven, PA

OTHER SKILLS / ACHIEVEMENTS:

- Proficient with the following computer software: Microsoft Office Suite including Excel, Word, MS Project, Power Point, SAP (ERP), PDF Studio, SharePoint, eBuilder, Anvil CAD, Vitruvius, AutoCAD Reader, Dropbox
- Skilled in reading and digesting construction drawings
- Certified Asbestos Abatement Project Designer
- Mechanical Professional Engineering Continuing Education Units –93 Credit Hours
- Currently studying German language level A1.2
- French language level A1

EXTRACURRICULAR ACTIVITIES:

- Custom wood working
- Repair of residential HVAC, electrical and plumbing systems
- Licensed mechanic for bicycles