

# Resume: William G. (Bill) Bartlett, P. E.

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## Professional Registration:

State of South Carolina (Registration Number 16,175)

State of North Carolina (Registration Number 30,272)

State of Georgia (Registration Number 32,102)

## Education:

Bachelor of Science, Mechanical Engineering

University of Tennessee, Knoxville

Graduation- June, 1988

## **W. G. BARTLETT ENGINEERING SERVICES, LLC**

**Sept., 2001 – Present**

### **Mechanical Engineer/Limited Liability Company**

Principal of consulting practice which provides mechanical engineering services to industrial facilities, equipment manufacturers, industrial, commercial and residential design firms, commercial and industrial building contractors, and individuals that need licensed, professional engineering services for design and project management. General project resume includes the following:

Industrial Building and Manufacturing Systems Design Projects- Mechanical and multi-discipline engineering design and project services for various man-made fiber line processes and polymers/plastics manufacturing, general manufacturing, automotive and energy equipment. Participated in design, installation and commissioning of all phases of the building and equipment. Design services included HVAC, process mechanical, plumbing, and machine design.

Institutional and Municipal Projects- Completed the building design services (primarily HVAC, plumbing) on school projects, medical facility projects, public housing, municipal buildings and service centers, recreation buildings, recycling center buildings, and numerous church projects.

Utility/Public Works Projects- Completed the building design services (primarily HVAC, plumbing) on water treatment plants and waste water facilities.

Commercial Projects- Completed the building design services (primarily HVAC, plumbing) on most all conceivable types of commercial building projects to include restaurants/food service, retail/mercantile, offices, warehouse/storage, animal clinics, car washes, assembly/meeting buildings.

Residential Projects- Completed the mechanical design services for multi-family apartment, townhouse, resort community projects, and single family dwellings.

## **BP-AMOCO POLYMERS INC., GREENVILLE, SC**

**1989–August, 2001**

### **Senior Engineer**

**1999-2001**

A staff position with the responsibilities of maintaining/ developing/ advancing the carbon fiber and Torlon business technologies and providing leadership in core mechanical engineering disciplines (machine design, process mechanical, HVAC, structural, civil, plumbing, fire protection) as a resource to all areas of the business (manufacturing, research and development, and business administration).

### **Project Design Engineer and CAD Department Manager**

**1992-1999**

Tasked with spending 90% of time working on assigned design projects and 10% of time managing the engineering drawing system and personnel for the carbon fiber and engineering polymer businesses. The project work included a range from major capital to minor plant modifications. Project responsibilities included both the individual detailed design and engineering contractor oversight. Typical assignment responsibilities involved preparing or assisting in the preparation of a scope of work,

creating/revising process documentation (P&ID's/PFD's), preparing authorization estimates, detailed analytical design, preparing design drawings on AutoCAD, preparing equipment purchasing specifications and construction/fabrication scopes, construction field consultation/management, commissioning and start-up assistance. The responsibilities as CAD manager included the oversight of the drafting/designer personnel, maintenance of the electronic CAD network (hardware, software, electronic file data), and management of the disciplined engineering document standards as well as the CAD configuration standards.

**Corporate Project Engineer**

**1989-1992**

Worked as team staff engineer on major capital projects (\$0.5M+) for the carbon fiber and advanced composites business. Responsibilities included detailed design, design oversight of engineering contractors in the mechanical-related disciplines (machine design, HVAC, civil, structural), general project coordination activities (project estimation, scheduling, cost tracking, etc.), field construction coordination and oversight, system commissioning and operational start-up.

**E. I. DUPONT CO., SAVANNAH RIVER PLANT- AIKEN, SC**

**1988-1989**

**Project Maintenance Engineer**

Provided mechanical maintenance and small project engineering services for a site steam-producing power plant and a refrigeration plant. Implemented and managed a computational vibration predictive maintenance program for all rotating-element equipment (pumps, turbines, fans, motors, etc.) which included diagnostic data evaluation (trending) and corrective measure implementation.