



PROFILE

William C. Tintle P.E.

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OVERVIEW

Engineering Consultant with expertise in machine design and forensic investigations. Licensed Professional Engineer holding patents.

PROFESSIONAL EXPERIENCE

M.E. Services, LLC Stewartsville, NJ

1997-Present

Founder/Principal

Engineering consulting firm specializing in machine design, engineering analysis, material handling equipment/system design, and engineering forensics. Engineering projects include materials handling equipment (overhead and gantry cranes, monorails, mobile cranes, and conveyors) for nuclear, transportation, defense, steel, waste management, and other commercial industries. Design milestones include a 50-ton capacity steel ingot transfer machine for LTV Steel Company, Inc.; an armored mobile crane retrofit for the Marine Corps; a retractable overhead catenary system at railroad drawbridges for AMTRAK; an automatic lid application machine for LEGO; a retractable display screen support for the New York Stock Exchange; a moving 120-ton wall for retaining shrapnel at NUSC, Newport; a residential elevator for Accredited Home Elevator; and specialized fuel handling bridges for nuclear power plants (Peach Bottom, Limerick, D.C., Cook, Wisconsin Public Service).

Forensic failure investigations to determine cause of loss, scope of damage, costs of repair to material handling equipment, mobile and bridge cranes, automated machinery, pumps, generators, gearboxes, sprinkler systems, piping systems, HVAC systems, and elevators.

Dwight Foote, Inc. Berlin, CT

1994-1997

Chief Engineer

Oversaw design and building of custom material handling equipment for nuclear, defense, and commercial industries. Managed engineering department and fabrication/machine shop. Offered technical support to sales, manufacturing, and field service. Conducted design and oversaw load testing of various lifting devices and spreader beams. Major projects included custom fuel handling bridges for a variety of nuclear power plants, and the development of box girder fabrication techniques.

Emhart Glass Machinery Windsor, CT

1991-1994

Project Engineer

Developed new machinery in an R&D environment from original concept to commercialization. Managed engineers and draftsmen as required from project inception through release to production. Milestone project was servo-actuated molten glass cutting machine for use in the automated glass bottle forming process. Increased capacity output from 130 to 250 bottles per minute. Project length was two years, development cost 1.6M, payback on investment in 8 months. Received three US patents for this design.

Pirelli Tire Corporation New Haven, CT

1989-1991

Project Engineer

Improved tire assembly process through the design of new machinery or the modification of existing equipment. Supervised draftsmen and technicians. Developed and designed a rubber sheet laminating machine that precisely overlaid up to five tire components in one operation, eliminating four steps and increasing manufacturing efficiency.

General Dynamics, Electric Boat Division Groton, CT

1984-1989

Machine Design Engineer

Engineering analysis and design of torpedo room machinery for the Seawolf class submarine-torpedo tube linkages, doors, interlocks, and torpedo handling equipment.

Designed land-based torpedo launch test facility consisting of large high-pressure tanks, flanges, piping, fasteners, and welds.

EDUCATION

B.S. Mechanical Engineering | New Jersey Institute of Technology | 1984

PROFESSIONAL ENGINEER LICENSES

Connecticut: #17062

Massachusetts: #38434

New York: #075609-1

Pennsylvania: #PE-060346-E

New Jersey: #24GE04328500