

Credentials

**Professional Engineer**

New Jersey

License #GE-27460

New York

License #063525-1

Pennsylvania

License #PE-039737-R

Education

**Bachelor of Science in Mechanical Engineering** cum laude

Newark College of Engineering, 1971

**Continuing education** through programs offered by:

National Fire Protection Association

Professional Associations

National Fire Protection Association

American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)

Building Officials and Code Administrators International (BOCA)

Areas of Concentration

Mechanical engineering

Electrical engineering

Process engineering

Facilities design

Thermodynamics

Process piping

Power generation equipment

Environmental auditing

Fire causation

Fire protection

Plumbing

Lighting

Air conditioning engineering

Refrigeration engineering

Ventilation systems

Uninterruptible power supplies

Specific Experience & Interest

Pollution controls

Large-scale chillers

Employee facilities

Office renovations

HVAC controls

Laboratories

Temperature and humidity controls

Bio-hazard laboratories

Boilers

Furnaces

Steam systems

Gas-fired equipment

Electrical equipment

Piping failures

Alarm systems

Research facilities

Professional Experience

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**Institute for Products, Engineering & Construction** **1999 - Present**

Consulting engineering services for mechanical, electrical and process projects. Analysis of defects in mechanical and electrical systems, components and products. Investigation of accidents and defects involving industrial and process applications.

**Consulting Engineer** **1987 - Present**

Principal of full service engineering firm providing mechanical, electrical and process engineering service for renovation and new construction of industrial facilities. Direct responsibility of design for new and existing facilities. Develop design drawings for issuance of permits to meet current Building Code Requirements.

**Maitra Associates** **1985 - 1987**

Chief Engineer for Mechanical / Electrical engineering design firm. Primary responsibility for all mechanical and electrical engineering in the development of construction drawings for process and facilities.

**Research Cottrell, Inc** **1980 - 1985**

Mechanical Engineering Supervisor. Oversaw the design and specification development for air pollution control of power generation boiler system.

**Ortho Diagnostics, Inc.** **1974 - 1980**

Technical Services Supervisor and Maintenance Supervisor. As maintenance supervisor, oversaw department of 34 skilled laborers performing maintenance and repairs in medical product manufacturing facility. As Technical Services Supervisor, oversaw department of 10 mechanical, electrical and process engineers. Responsibility for all renovation and new construction in medical product manufacturing facility.

**General Electric, Co.** **1971 - 1974**

Field Service Engineer. Provide service and technical direction for overhaul and repair of power generation and cogeneration equipment.