

**Kyle G. King, PE**  
**K & R Consulting, LLC**  
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**K & R Consulting, LLC**  
President

7/04 - Present  
Lenox, MA

- President of K & R Consulting, LLC – a power engineering services and consulting company focused on delivering comprehensive solutions for Electric Utility power line outage mitigation and improved power system reliability
- Author of EPRI's Handbook for Power Line Lightning Protection
- Consulting and training activities include power system lightning and surge protection, grounding (including mitigation of step and touch potentials), electric and magnetic fields, corona, noise, and high voltage power system phenomena

**EPRI solutions**  
Director – Power Delivery Center

3/02 – 7/04  
Lenox, MA

- Director of Operations of 35 acre high voltage research, development and engineering center with a dozen engineering and technical staff
- Responsible for entire center operation including 1500 kV 3-phase AC and  $\pm$  1500 kV DC Transmission Sources, 5.6 Million Volt Impulse Generator, Transmission and Distribution Substations, and Full Scale Insulator and Surge Arrester Contamination and Accelerated Aging Facilities
- Lead Consultant and Chief Instructor on all power system lightning, grounding, and surge protection activities.
- Authored numerous EPRI handbooks, guidebooks, and project reports in the areas of Lightning Protection, Surge Arresters, Grounding, and Magnetic Field Management

**Electric Power Research Institute**  
Research Engineer / Program Manager

10/98 – 2/02  
Lenox, MA

- Program Manager for transmission line lightning, grounding, and surge arresters
- Lead Consultant and Chief Instructor on all power system lightning and grounding activities.
- Taught dozens of power system engineering courses in Lightning Protection, Grounding, Arrester Application, and Electric and Magnetic Field Management.
- Authored numerous EPRI handbooks, guidebooks, and project reports in the areas of Lightning Protection, Surge Arresters, Grounding, and Magnetic Field Management

**Enertech Consultants**

10/94 – 10/98

Research Engineer

Lee, MA

- Co-authored EPRI's Magnetic Field Management Handbooks
- Lead consultant for magnetic field characterization, modeling, and shielding using finite element modeling electromagnetic calculation tools.
- Co-developed prototype data logging instrument with integrated position and timing references using the Global Positioning System (GPS) satellites.

**General Electric**

7/92 -10/94

High Voltage Transmission Research Center

Lenox, MA

Research Engineer

- Instructor for Magnetic Field Management and Shielding sections of EPRI's High Voltage Transmission Line Design Seminar
- Designed and tested scale passive cancellation loops for magnetic field management of transmission and distribution lines and conducted magnetic field mitigation studies for 115 kV - 500 kV transmission corridors

**General Electric**

8/88 – 7/92

US Navy Nuclear - Machinery Apparatus Operation

Schenectady, NY

Project Engineer

- Responsible for the design, development, and production of Instrumentation and Control equipment for US Navy Nuclear Power Plants
- Managed prototype developments of Universal Instrumentation Circuit Card Module Test Set and ultrasonic water level measurement equipment

**EDUCATION & REGISTRATION**

MS Electrical Engineering, Union College - Schenectady, NY

BS Electrical Engineering, Union College - Schenectady, NY

New York State Licensed Professional Engineer

**HONORS & AWARDS**

Young Engineer of the Year - GE Industrial and Power Systems

Tau Beta Pi - National Engineering Honor Society

Eta Kappa Nu - Electrical Engineering Honor Society