**Jim Gross**

Training Specialist

Certificates/Licenses

* Registered Professional Engineer (KY #7591)

Education/Training

**Bachelor of Science, Electrical Engineering 1964**  
University of Kentucky

Instructional Experience

**American Trainco 2004 - present**Instructor for basic electricity, electrical troubleshooting, electrical safety, and motor control seminars.

**Ashland Technical College 2001 - 2004**  
Adjunct instructor in four-year electrical apprenticeship program for independent electrical contractors.

Technical Experience

**Senior Electrical Engineer (ETA Engineering Consultants) 1999 - 2000**General engineering design for various customers including control modifications, equipment relocation, panel layouts, and PLC interface; performed Y2K compliance studies.

**National Accounts Engineer (American Electric Power) 1996 - 1998**Responsible for large power accounts; power quality enhancements, billing, project management, sub-station maintenance; worked closely with plant engineers to improve power distribution and protection.

**Site Electrical Installation Supervisor (Kenco Engineering) 1995 - 1996**Supervised electrical installation of motors, instruments, controls, conduits, and wiring for a new air separation plant to supply additional oxygen to AK Steel Company.

**Technical Consultant (Gallatin Steel Company) 1994 - 1995**Consulted for a greenfield installation; developed and implemented engineering specifications for a quality installation; trained and assisted engineers and production employees to prepare for startup.

**Staff Electrical Project Engineer (Ravenswood Aluminum Company) 1993  
Senior Electrical Engineer (Belcan-McGraw Engineering Division) 1993**

**Supervising Engineer (Armco Steel Company) 1964—1992**Responsible for process control and electronic repair including PLCs and distributed control. Provided electrical expertise for AC and DC machinery and power distribution; accomplished major improvements to the automatic gauge control systems at the hot strip mill and tandem cold mill.