



Rick Galphin

Electrical Safety Consultant

With over 40 years' experience in the manufacturing industry, Rick has worked on power systems and automation installations, designed PLC programs, and successfully completed projects within budget constraints. His engineering and management skills allowed him to optimize mechanical systems for greater output and reduce time on trouble calls.

Some of his QIC designs have won awards at local competitions, allowing him to present to larger audiences. In 2012, he began training low voltage and high voltage electrical safety classes to maintenance technicians as well as a management team using e-Hazard materials.

Career Highlights

e-Hazard **2021-Present**

Electrical Safety Instructor, Consultant

MW/MB, LLC. **2011-2021**

Electrical Engineer

- Responsible for the facility's power grid, including 13kV, 5kV, 480V, 240V and 120V service
- Developed innovative PLC program to report real time furnace pull and adjust the furnace to help maintain constant pull

Philips Lighting **1998-2011**

Electrical Engineer

- Responsible for 12kV, 5kV, and 480V switchgear, air compressors, steam boilers, propane backup systems, fire suppression systems, fork trucks, front end loaders, etc.
- Rewired the electrical backup systems to cross-connect systems in an emergency and keep critical systems functioning.

Frigidaire - Consumer Appliances **1987-1994**

Electrical Engineer

- Wrote design specifications for microwave oven electronic controls
- Performed software and hardware verification to release controls into production
- Led a corporate standardization team for terminations and schematics
- Represented Frigidaire in two lawsuits as a technical expert

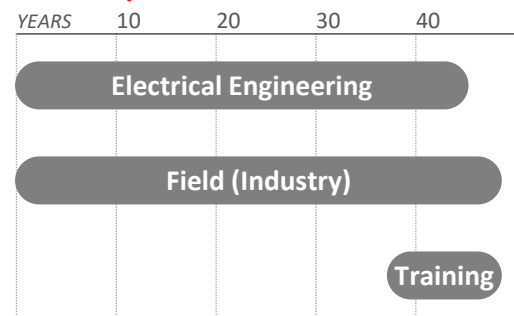
Snapshot

Focus

TRAINING

- Low Voltage
- High Voltage
- Electric Vehicle (EV)
- Lockout/Tagout (LOTO)
- Customized

Career Experience Timeline



Education & Certifications

**Southern Technical Institute,
Marietta, GA**

B.S., Electrical Engineering Technology

Fanuc Robotics Maintenance Training

Allen Bradley PLCs Training

RBM, TPM, SPC, Juran Quality Analysis

Council for Six Sigma Certification (CSSC)

Green Belt