



Jonathan McDonald

Electrical Safety Consultant

Jonathan is an electrical engineer with over 30 years of experience. He has designed electrical installations and verified and updated power distribution models. He has also developed numerous applications for automation and control systems, programming or rewriting software applications, on several types of hardware in the industry. He holds professional engineering licenses in Indiana and Kentucky.

Career Highlights

e-Hazard **2022-Present**
Electrical Safety Consultant

Project Associates Inc. **1996- Present**
Engineer

- Verified and updated existing power distribution model in EasyPower software for coordination and arc flash Studies.
- Provided field support at power plant for a plant-wide arc flash hazard analysis study.
- Designed a control system for a dry-bottom ash conversion project at a local 3,500MW power plant.

American Process Design **1991-1996**
Battery Separator Manufacture

- New Hexane Oil Extraction Line Installation
- Power Distribution, Motor control center, Lighting design, Fire alarm design, PLC I/O Wiring design, On-site construction support and startup assistance, NEC Class 1, Div. 1 & 2 Electrical design

Thermoplastics Manufacture

- Renovation and expansion of Plastics manufacture
- Power distribution, Motor control centers, Lighting, On-site construction support, NEC Class 1, Div. 1 & 2 Electrical design

WSC Associates
Design Engineer

- Design Engineer for various projects, including school, commercial, prison, medical, and church buildings
- Security access, Power distribution, Interior and exterior lighting, Facility power distribution, Fire pump electrical design, Call systems, Lab equipment, Standby generators, and 48VDC distribution

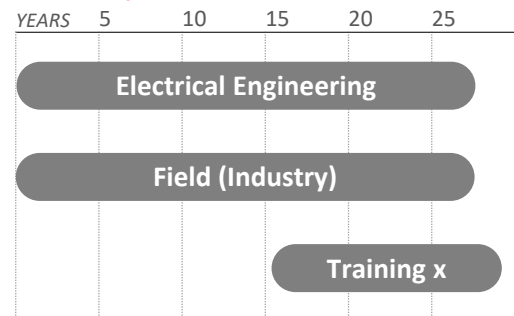
Snapshot

Focus

TRAINING

- Low Voltage
- High Voltage

Career Experience Timeline



Education & Certifications

University of Evansville, Evansville, IN

M.S., Computer Engineering and Computer Science

B.S. Electrical Engineering

Licenses & Professional Memberships

Professional Engineer,
 Registered in Indiana and Kentucky