



Joe Rachford

Electrical Safety Consultant

Joe is an electrical engineer who has worked in the steel industry for over 40 years. His experience includes project management, maintenance engineering, high voltage power distribution systems, and electrical safety.

At Gallatin Steel, Joe was responsible for technical training and served as the process manager for high voltage systems as well as facilities maintenance. He implemented a plantwide electrical safety program based on NFPA 70E and led the high voltage program.

Career Highlights

e-Hazard **2016-Present**
Electrical Safety Consultant

Nucor Steel Gallatin **2014-2016**
Electrical Engineer

- Responsible for substation high voltage maintenance systems, maintenance skill craft program, and apprenticeship programs

Gallatin Steel **2001-2014**
Process Manager Technical Training **2010**

- Developed new skills-based maintenance craft system
- Conducted multiple training classes to bring all worker's skillsets to a base level.
- Expanded into an apprenticeship program with KY FAME in 2015

Process Manager - High Voltage Systems & Facilities Maintenance **2001**

- Responsible for all high voltage maintenance (345 kV–480 v) and facilities maintenance for the plant.
- Developed a reliability-based CMMS maintenance program for the entire power distribution system in the plant.
- Performed criticality analysis of assets.

Inland Steel Company **1970-1998**
Lead Electrical Engineer, Reliability Engineer, Senior Staff Engineer, General Electric Foreman

- Designed, tested, and installed an electromagnetic edge dam for a twin roll strip-casting machine (new technology worth \$300 million).
- Utilized a CMMS system developed by Fluor Daniels based on the inspection method of maintenance

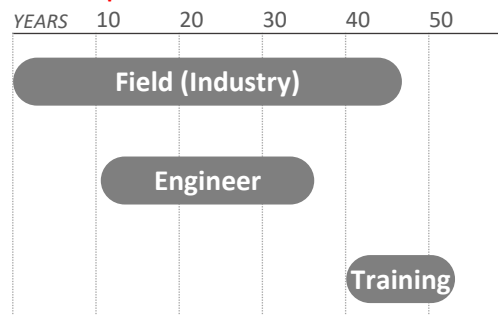
Snapshot

Focus

TRAINING

- Low Voltage
- High Voltage
- Lockout/ Tagout (LOTO)
- Customized

Career Experience Timeline



Education

Purdue University Calumet, Hammond, IN

M.S., Business Management

University of Cincinnati, Cincinnati, OH

B.S., Electrical Engineering

Licenses & Professional Memberships

American Iron and Steel Technology (AIST), Life Member

International Electrical Testing Association (NETA), Life Member

Institute of Electrical and Electronics Engineers (IEEE), Life Member