



Mark Swanson

Electrical Safety Consultant

Mark Swanson has over 25 years' experience with industrial electrical systems, primarily at Alcoa. He was a Power Engineering Specialist at the Pittsburgh location, responsible for project leadership and engineering design for major growth and sustaining capital projects.

At their Wenatchee, WA location, Mark was Senior Staff Electrical Engineer and oversaw the operation, maintenance, and capital improvements of the plant power system and rectifier station. Prior to that, Mark was the staff electrical engineer with Alumar in Brazil.

Career Highlights

e-Hazard **2017-Present**

Electrical Safety Consultant

Alcoa **1991-2016**

Power Engineering Specialist **2005**
Pittsburgh, PA

- Responsible for project leadership and engineering design on Alcoa's major growth and sustaining capital projects such as Ma'aden Automotive Rolling Mill Project (Saudi Arabia), Aluminum Smelter Modernization Projects (Massena, NY and Baie Comeau, Quebec), Alcoa Lake Charles (Lake Charles, LA), and Jamalco, Jamaica.

Senior Staff Electrical Engineer **1991**
Wenatchee, WA

- Responsible for the operation, maintenance and capital improvements of the plant power system and rectifier station.
- Corporate auditor and trainer for Alcoa's high voltage safety Std. 32.60.
- Corporate resource assisting Alcoa smelter facilities on rectifier issues.

Alumar (consortium of Alcoa and Shell) **1986-1991**

Staff Electrical Engineer
Sao Luis, Brazil

- Accountable for the plant's electrical energy consumption and authorization of monthly \$8M power bills, designed and executed capital projects for rectifier and plant power system, and provided technical support for substation operators.

Snapshot

Focus

Bilingual: English/Portuguese

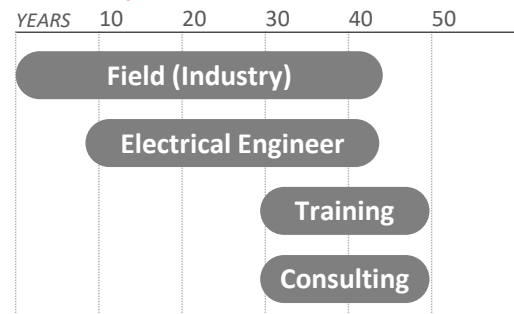
TRAINING

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

SERVICES

- Audits

Career Experience Timeline



Education

Michigan Technological University, Houghton, MI

B.S., Electrical Engineering

Professional Memberships

Institute of Electrical and Electronics Engineers (IEEE), Member