**Jim Joros**

Training Specialist

Qualifications

* SLC 500 and Controllogix Instructor
* Over 30 years of experience in electrical motor control systems, ranging from transistorized stepper motors up to 11.2 KV synchronous motore – including 13.2 KVswitchgear/transformer

Education/Training

**Associate of Applied Science, Electronic Digital Computer Technology**

**Motor and Armature Rewind Division**

**(Single Phase, Three Phase, & DC Motors/Armatures)**  
United States Navy

Instructional Experience

**TPC Trainco 2011 - present**Instructor for programmable logic controllers and variable frequency drives classes

**PLC Instructor/Course Development 2010**  
Allen Bradley SLC 500 Family and PLC 5 – MicroLogix – Control Logix

Technical Experience

**Electrical Control Technician (Coors Brewery)** **1978 - 2005**  
**Paper Packaging/Graphics Division – 4 years  
Rocky Mountain Bottle Co – 23 years**Repaired, replaced, maintained, and troubleshot manufacturing equipment and electrical control systems including: servo motors and controls for high-speed bottle manufacturing equipment, VFD systems, conveying and palletizing systems, high-voltage switch gear and vacuum breakers. Developed training programs to aid and train electricians. Started up new systems including: furnace re-builds and Owens-Illinois Glass Bottle Manufacturing equipment.

**Motor Room Control/Maintenance Technician (Lykes Youngstown Steel)**