

Revolutionizing Workforce Training

Portable PLC and Electrical Trainers for Industry

Introduction

Darrin Falk & Tim Tewalt

- Darrin Falk, a Mechatronics and Industrial Maintenance instructor at Chippewa Valley Technical College (CVTC), where I teach associate degree students, apprentices, high school students, and industry professionals.
- Tim Tewalt, a recent retired program director of the Mechatronics program at CVTC. My background is rich with experience in mechatronics training and education. Love all things ATE, Evaluate and PI for some great projects.
- Ground rules: None. Feel free to ask questions at any time.
- No limit on compliments :)



The Need for Skilled Training

Post COVID - landscape has changed

Darrin



- At CVTC, we've seen a strong commitment from industry employers who regularly send their technicians to us for electrical training, regardless of their years of experience. This training not only helps in upskilling but is also integral to our apprenticeship programs.
- Our Advisory Committee, which meets twice a year, plays a critical role in keeping our curriculum up-to-date. They ensure we continue to provide the necessary training for new technicians to effectively troubleshoot and maintain equipment on the plant floor

FlexLab eLearning Program

Open lab...well much more

Tim

- No Traditional Lectures: Emphasizes practical, hands-on learning.
- Unit-by-Unit eLearning Modules: Introduces activity goals before hands-on work.
- Lab Exercises with Assessments: Ensures comprehension and correct application through formative assessments and checkpoints.
- Next slide...



FlexLab eLearning Program

We measure outcomes, not seat time

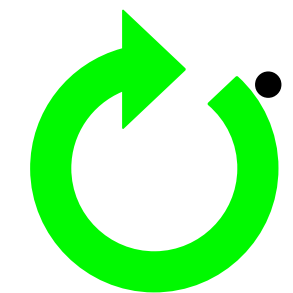
Darrin



Personalized Instruction: Instructors provide tailored guidance, ensuring success at each student's own pace.



Flexible Scheduling: Lab access during day and evening, with enrollment options from 1 credit to full load. Adapts to personal schedules, making education accessible to all.



Dynamic Curriculum: Lab content is continually updated by instructors, reflecting real-time improvements and practical experience.

“Student led learning”

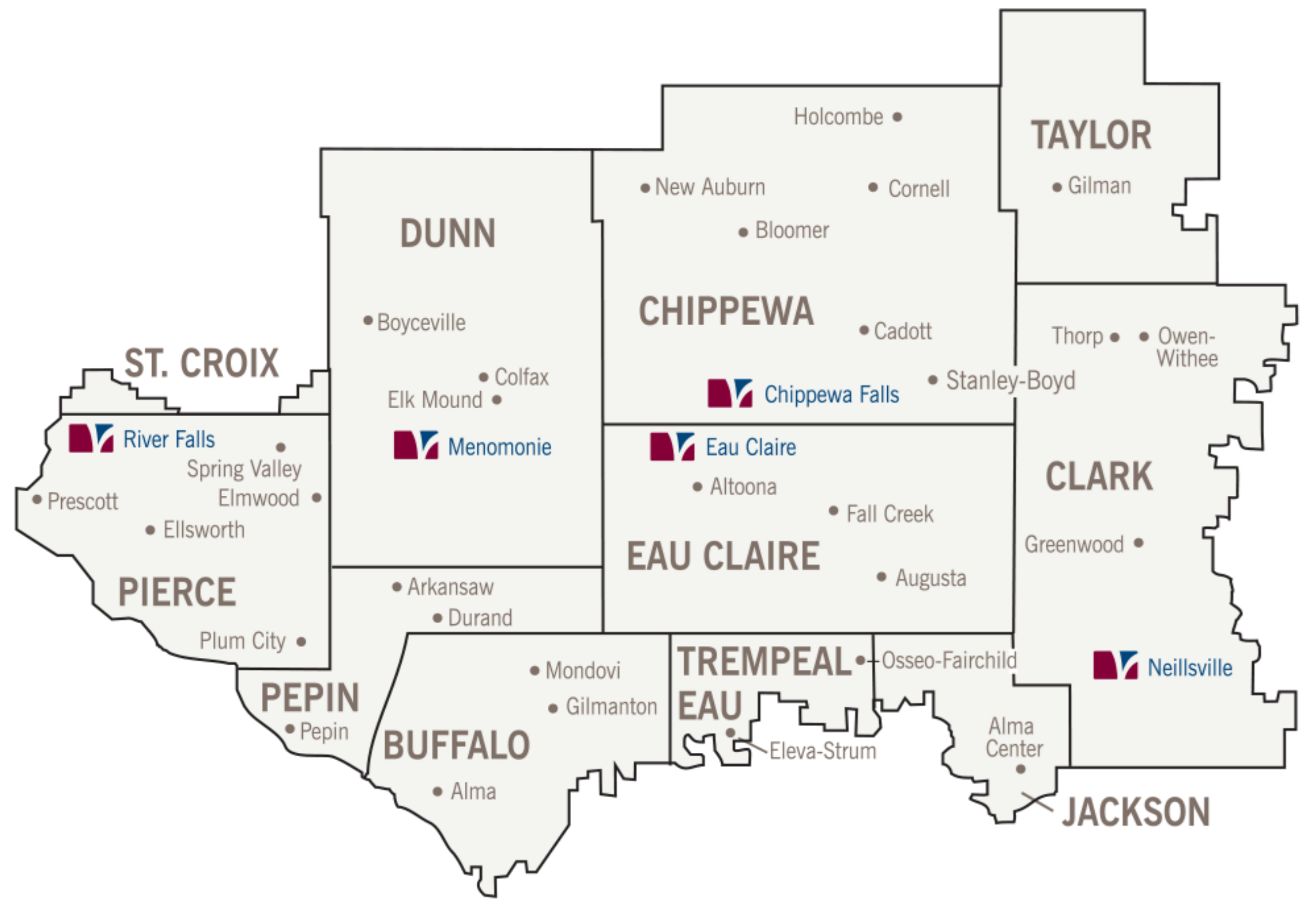
Their questions answered when they need it



Have Lab, Will Travel

Rural, busy, they just can't
come to our wonderful
campus!

That's 8,000 square miles!



We serve 11 counties
Connected by rural roads
and highways

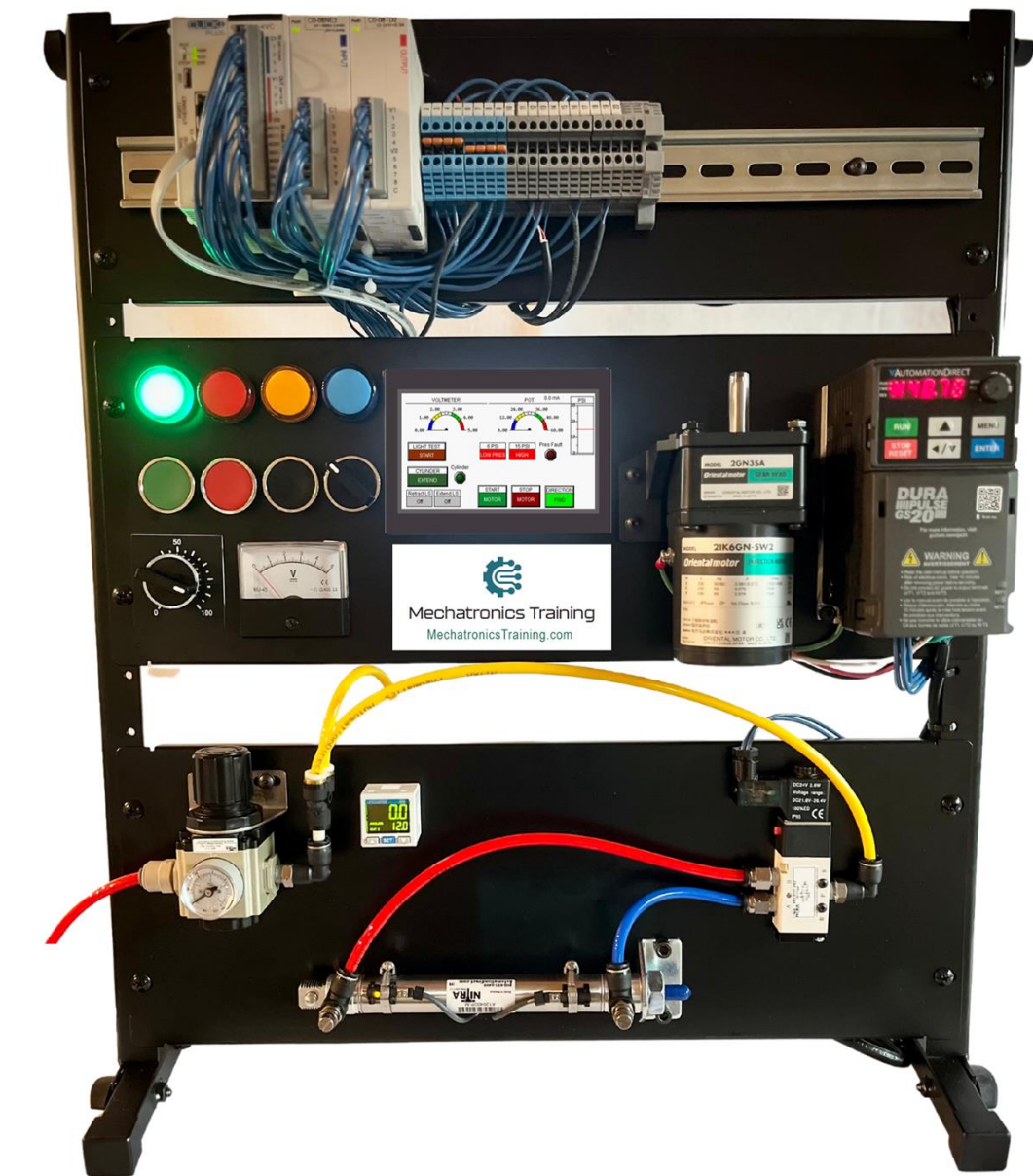
Introduction to Custom PLC and Electrical Trainers

Industry changed...

Darrin

Problem: As industries evolve and on campus training becomes less feasible, there is a critical need for flexible, accessible training solutions that can be delivered directly to the workforce.

- Custom Portable Trainers Developed:
 - PLC Trainer: Focuses on reading ladder logic and troubleshooting.
 - Industrial Electricity Wiring Trainer: Enhances skills in schematic reading and fault identification.
- Mobility Advantage: Our portable trainers can be moved to any of our 12 campuses, further enhancing their accessibility and utility across different locations.



Success Stories

Live from HI-TECH :)

- Darrin...share some success stories
- Tim... share some success stories

Q&A Learning Exchange

Yea but, we do this, what about,

Here are some questions to start off our discussion....

- How do you meet the needs of those employers/students who are distant for lab skills?
- How do you think portable trainers could complement your existing training methods?
- What types of skills or topics do you think would be best suited for training with portable trainers?
- How could portable trainers make training more accessible for students and employees who are unable to attend on-site sessions?
- So, let's chat! 😊

Connect with Us!



- Darrin Falk | Chippewa Valley Technical College
 - dfalk@cvtc.edu
 - 715-233-5349

- Tim Tewalt | Mechatronics Training
 - tim@MechatronicsTraining.com
 - 715-456-3976 cell

