

Simulation for Supply Chain

Making the complex...simple

Program goal

CVTC's Industrial Mechanics program

- To prepare maintenance technicians to meet the needs of industry
 - Supply Chain
 - Manufacturing
 - Facilities

Technologies in Curriculum

Mechanical Driveline

Networks

Alignment

Pumps

Welding

Facilities

Hydraulics

Pneumatics

Piping

PC Applications

HMIs

RFID

PLC

IoT

Robotics

Process Control

Industrial Electrical

VFDs

3 Phase Motors

Troubleshooting

Mechatronics / IoT Aligned Curriculum

DRIVERS

Local Employers

PMMI

NIMS

SACA

MSSC

MHI / ProMat

PARTNERS

FANUC

Automation Direct

Rockwell Automation

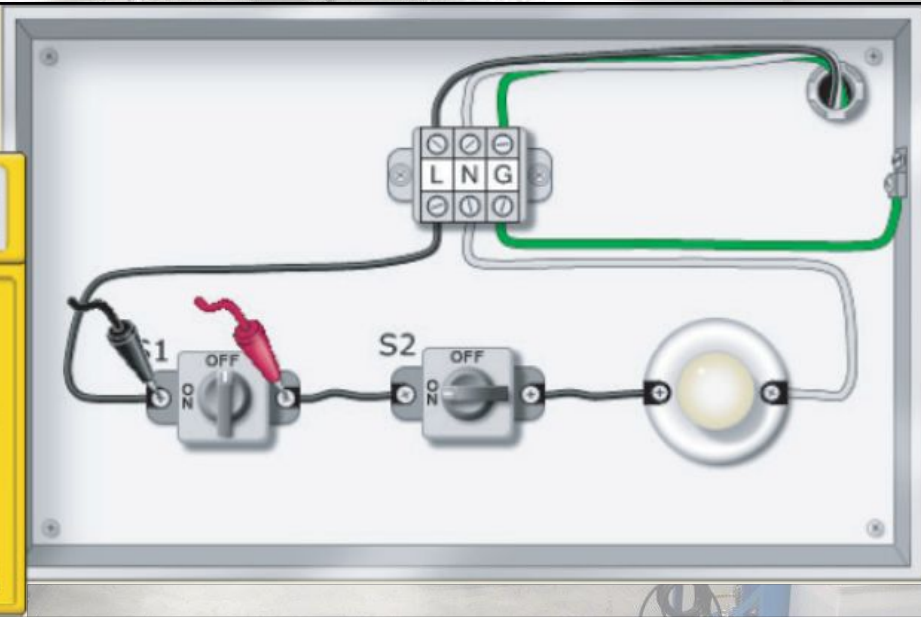
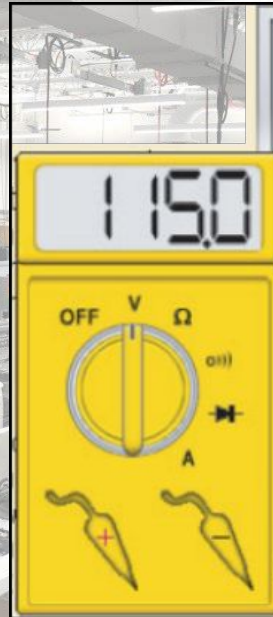
ABB

Durmatic

Amatrol

Use to be simple...

1. Plug it in
2. Flip the Switch
3. Bulb lights
4. Make a measurement and fix in no time!
5. Then things changed..



Today...things are zippy

**High speed
consumer fulfilment
sortation solutions.**

First goal - Modern lab



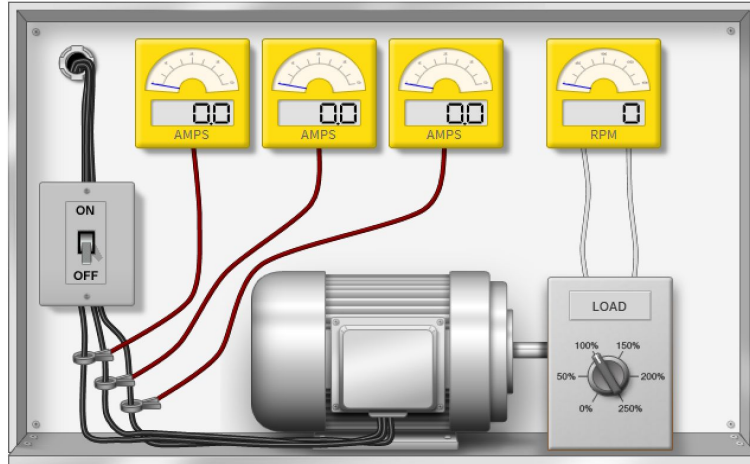
Simulation offers complexity and simplicity

Focused training

Theory

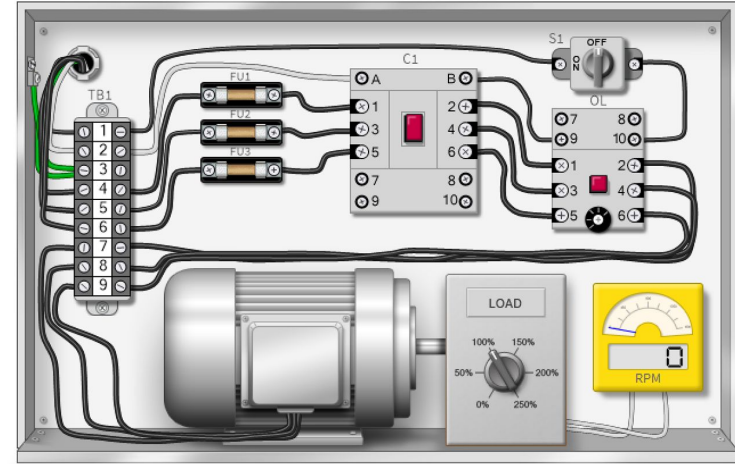
Practice

Motor Behavior Lab



- Help
- Exit Lab

Practice Exercise 1



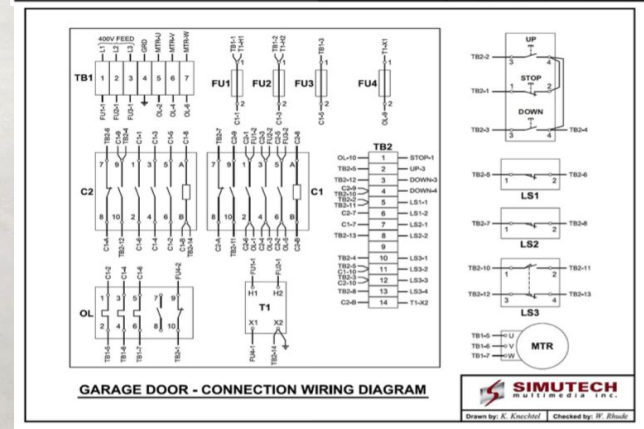
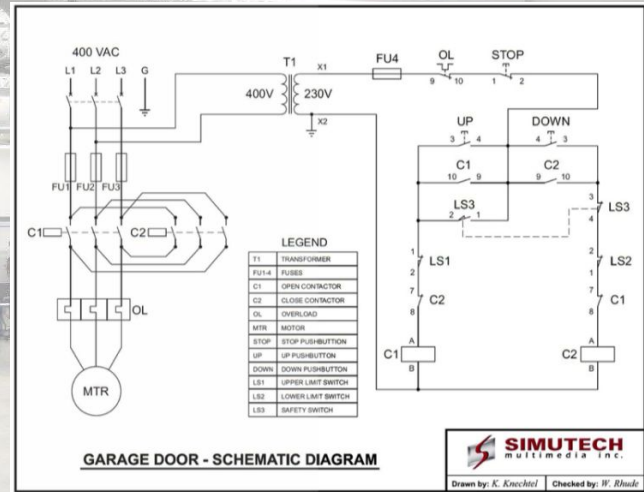
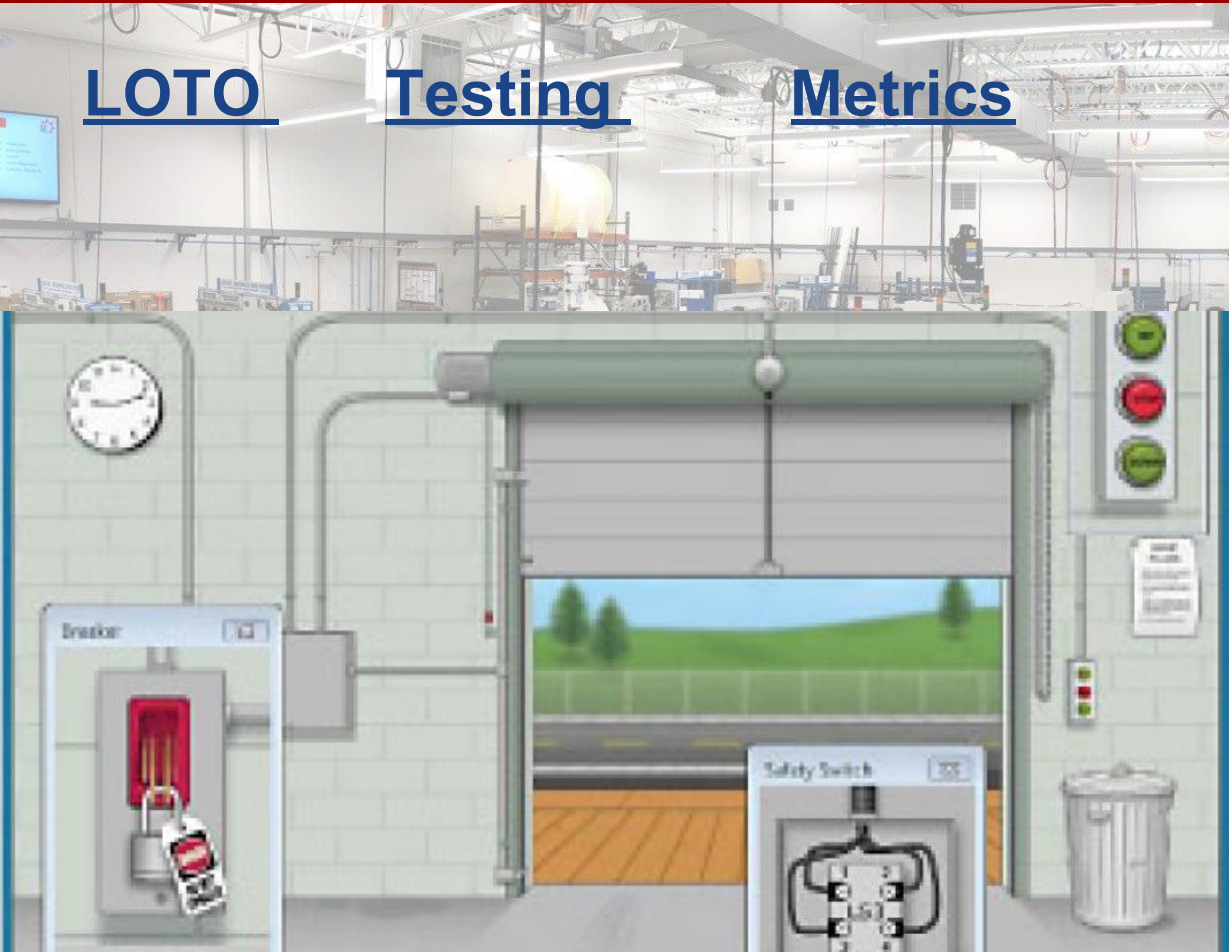
- Breaker Panel
- Meter
- Screwdriver
- Wrench
- Schematic Diagram
- Wiring Diagram
- Help
- Exit Fault

Application - Problem Solving

LOTO

Testing

Metrics



Supply Chain Tools



Applications -

Getting Started

FAQs

Blog

Online Guide

Contact Us

Log In

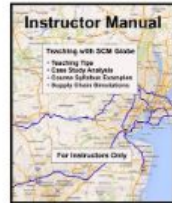
Complete Package for Supply Chain Learning

Combine lectures and readings with realistic interactive simulations



- SCM Globe Simulations
- Academic price - email: info@scmglobe.com
- Personal support for instructors

Watch student engagement and knowledge retention grow!!!



Course syllabus examples and teaching tips



Case studies and step by step study guides



Use any textbook or reading list...

www.scmglobe.com

Engage Modern Learners

Modern learners are the most technologically sophisticated in all of history. They have access to the greatest collection of human knowledge ever assembled, and they possess the ability to communicate with nearly anyone in the world instantaneously. We're all inundated with a never-ending flood of information crafted to snare our interest — mobile apps using game mechanics to encourage ceaseless engagement, custom tailored marketing coming at us from every angle, and a 24-hour news cycle from a hundred directions at once — all vying for our precious attention.

Our teaching tools need to be fast-paced, engaging **and affordable**. We need to deliver information the way learners are accustomed to receiving it. To engage today's students, we need a new approach.

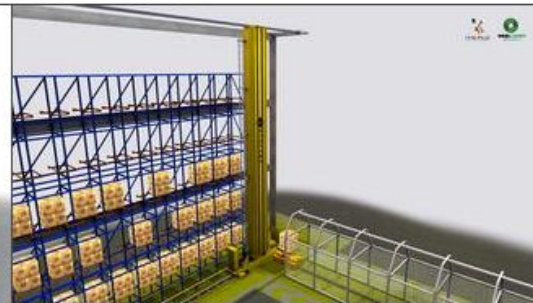
Factory I/O

FACTORY I/O

Factory I/O is an essential tool for PLC training and education. It provides high-quality simulations of industrial plants that you can control in real time, bringing the industry to your classroom. You can easily move it around, it does not require maintenance, and there is no risk of injury to students or staff.

Factory I/O offers five systems: Sorting, Batching, Palletizer, Pick & Place, and Warehouse Automation. It will allow you to practice real world control tasks in real-time, using your PLC.

Click [here](#) to learn more and to download a free trial.



Bring it to them



High Schools 2+2, Summer Academies, Fairs



Thank you!



- **Tim Tewalt**
- **Program Director - Industrial Mechanics**
 - 2322 Alpine Road
 - Eau Claire, WI. 54703
 - (715) 874-4630 office
 - (715) 456-3976 cell/text
 - ttewalt@cvtc.edu
 - <http://cvtc.edu/IM>