



[LIVE.TPCTRaining.COM](https://live.tpctraining.com)

In-person and Virtual Instructor-led Maintenance Training



TPC Training's instructor-led curriculum provides complete coverage of essential industrial maintenance skills across a full range of electrical, HVAC, and mechanical topics. Our "see, touch, do" instructional approach allows us to impart practical skills that employees can quickly apply in the workplace.

Ready to attend a training seminar?
Register at live.tpctraining.com or call 877-978-7246



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What we do

TPC Training offers a wide variety of instructor-led industrial and safety classes across many different formats, including virtual instructor-led, in-person seminars, and private group training for your company. You choose the option that works best for you and your employees.

How we help

Customers trust TPC because our seminars are proven to help employees embrace critical skills that can impact your organization, including:

- **Increased productivity:** Our skills training helps you and your employees avoid costly downtime caused by mistakes.
- **Personal development:** TPC equips employees with the skills and knowledge to advance in their careers.
- **Improved workforce recruiting and retention:** Our courses are used as training programs inside organizations to bridge the skills gap and to provide career advancement by building on preexisting skills.

Most Popular Live Instructor-led Courses

Electrical Training

Basic Electricity for the Non-electrician

Provides foundational knowledge for all maintenance workers about how electricity works in commercial and industrial settings. This course provides hands-on electrical component simulations that will help maintenance technicians and other non-electrical personnel learn how to safely fix electrical problems in their workplace.

live.tpctraining.com/BE

Electrical Training

PLCs for Non-programmers

Provides hands-on training in reading and interpreting PLC ladder logic, troubleshooting PLC systems, and fixing common PLC problems. Using hands-on demonstrations in this introductory PLC course, we convert the seemingly complex world of automation and Programmable Logic Controllers (PLCs) into practical lessons the average non-programmer can understand.

live.tpctraining.com/PC

Most Popular Live Instructor-led Courses *(Continued)*

Electrical Training

Electrical Troubleshooting & Preventative Maintenance

This two-day course uses electrical training simulations. The course was created to bring students up to speed in their electrical troubleshooting skills as efficiently as possible, and it was designed to cover the most common electrical troubleshooting tasks a maintenance technician faces in their job every day. For the novice or experienced electrician, this training course provides a no-nonsense, practical, and real-world systematic approach to electrical troubleshooting.

live.tpctraining.com/ET

HVAC

Air Conditioning & Refrigeration

The goal of this two-day Air Conditioning and Refrigeration course is to provide a broad introduction to air conditioning and refrigeration systems, including everyday operation & important refrigerant safety practices. The course is a great overview for maintenance technicians, multi-craft tradespeople, building managers, HVAC technicians, or anyone seeking to improve their AC&R operation and maintenance skills.

live.tpctraining.com/AC

Electrical Training

Arc Flash Electrical Safety

This course uses hands-on electrical simulations and is designed to meet OSHA training obligations while instructing workers on how to be safe around electrical equipment. The course is structured to help companies fulfill requirements set forth in OSHA 29 CFR Part 1910, Subpart S Electrical and NFPA 70E® Standard for Electrical Safety in the Workplace, which requires this type of instructor-led training for anyone working with electrically energized equipment.

live.tpctraining.com/ES

HVAC

Boiler Operations Training & Maintenance

Covers basic boiler maintenance and safety as well as troubleshooting boiler systems. It's well suited for both the novice technician and the experienced engineer in need of a refresher. The goal of this course is to ensure the student gains a comprehensive understanding of commercial, industrial, and utility boiler systems. Boiler inspections, operating controls testing, and general troubleshooting tips will all be discussed.

live.tpctraining.com/BO

Electrical Training

2020 National Electric Code®

This 2-day course covers everything students need to know to navigate, use, and understand the NEC, highlighting the most recent changes. Students will learn how to apply the latest iteration of the NEC to their specific work situations. Topics include workplace safety, electrical generation and distribution, photovoltaic stations, and more.

live.tpctraining.com/NCF

Electrical Controls Training

Variable Frequency Drives

Learn about VFDs and their applications in industrial and commercial settings, now with simulations included. Takeaways from this hands-on course include understanding how to improve VFD control and efficiency, troubleshooting and repairs, increasing equipment uptime, and ultimately how to reduce the cost to operate a VFD. Resulting cost savings and safety are the net results of sending your employees to this course.

live.tpctraining.com/VFD

Maintenance Training

Pump Repair & Maintenance

Get up to speed on field pump repair, maintenance, and service in this 2-day training. Suitable for novices and experienced technicians alike with its coverage of fundamentals, this course walks through different pump designs, types, and parts plus common causes of pump failure plus everything needed for proper maintenance. Walk away from the training understanding repair techniques and predictive and preventive maintenance.

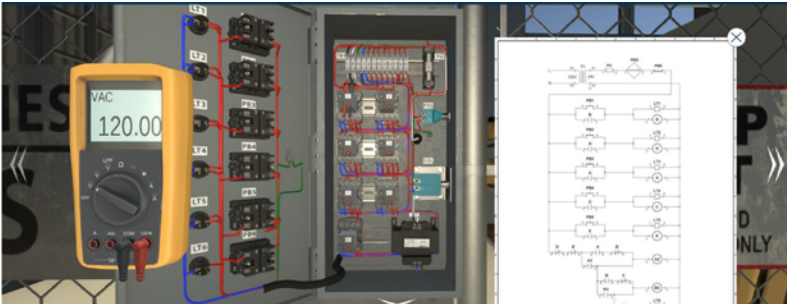
live.tpctraining.com/PMP

Electrical Controls Training

PLC Programming & Applications

This hands-on course is a continuation of TPC's "PLCs for Non-Programmers." Gain a greater depth of PLC knowledge; the course covers basic PLC programming, giving attendees the confidence to edit or create PLC solutions from scratch that directly apply to their work environments. A portion of the course is devoted to the unique programming needs of each student. Includes simulations.

live.tpctraining.com/PCP



Virtual Instructor-led Training (VILT)

live.tpctraining.com/virtual

Virtual Instructor-led Training (VILT) provides live audio and video classroom courses taught over the internet with 100% instructor-student interaction and eliminates the need for travel. Your workers can complete hands-on virtual training from their own homes or workplace with an internet connection, microphone, and webcam.



TPC Training now integrates skills modules and simulations as part of all electrical virtual instructor-led courses and in-person instructor-led courses. This training is used to provide a safe, hands-on method for all class participants to troubleshoot complicated electrical circuits and other systems.

Reduce Downtime with TPC Training Options

Downtime can cost businesses thousands or even millions of dollars per hour.

Understanding your factory downtime costs is as important as understanding your return on investments for training. Downtime will happen, but it doesn't have to drag on for long periods of time. With a well-trained and confident staff, you can get your machinery and equipment up and running quickly and efficiently. TPC Training offers many different types of instructor-led training for your workforce.

As with our classroom courses, all 1-day virtual instructor-led courses are \$595, 2-day virtual instructor-led courses are \$1,195, and 4-day workshops are \$2,390. They include:

- Live, interactive instruction from a TPC Training instructor
- The use of hands-on skills modules and simulations to help enhance all learning
- All classroom materials, including a workbook and reference guide in PDF and paper formats
- Full technical support to ensure your online experience is as rewarding as being in the classroom



The instructor was very engaging with all students and kept the attention of all students throughout, something that most online classes lack.

— Blake S. HVAC Electrical Controls & Air Distribution student



2022 Virtual Instructor-led Course Schedule
live.tpctraining.com/virtual

Questions? Call **877-978-7246** or email virtual@tpctraining.com.

TPC Training backs all our virtual instructor-led courses are with our No-risk Registration and Money-back Guarantee: live.tpctraining.com/guarantee

Correlation Between Downtime Costs & Training

For example, a company that runs 24 hours a day, six days a week, may lose \$16,120 weekly with just 20 hours of work interruptions per week.

20 HRS
DOWNTIME **X** **8.06 UNITS/HOUR**
AVERAGE PRODUCTION RATE **=** **161.2 UNITS**
UNABLE TO PRODUCE

161.2 UNITS
UNABLE TO PRODUCE **X** **\$100/UNIT**
GROSS PROFIT **=** **\$16,120**
DOWNTIME COST

In-person Seminars

live.tpctraining.com/seminar-locations

TPC Training offers our most popular public maintenance training seminars in an in-person format. These courses provide knowledge and skills training on electrical, HVAC, plant management, and mechanical topics. Whether you need an introduction to essential HVAC maintenance or an overview of the changes to arc flash safety protocols, TPC Training has the seminar you need for \$1,195 per 2-day session.

Our curriculum is built on the expertise of our instructors, allowing us to condense volumes of research, content, and experience into our typical two-day format while ensuring that every critical topic gets proper attention.

Most seminars are only two days long, so you don't have to commit vital workforce assets to extended coursework.



BENEFIT: Our instructors deliver content with hands-on exercises, demonstrations, role-playing, visuals, and case study discussions. Students also receive reference materials in simple laminated charts, instructor notes, or seminar manuals to help them continue to use what they learn from TPC Training.

Block Purchase Program

For teams needing a variety of courses in multiple locations over the course of a year, our Block Purchase Program is for you! Get between 5-15% off of list price depending on the number of days of training purchased. Blocks start at 20 days and can be used for any of our VILT or in-person public seminars.

Contact us to get started at: live.tpctraining.com/block-purchase



2022 In-Person Public Seminar Schedule
live.tpctraining.com/seminar-locations

Private Group Training

live.tpctraining.com/on-site

Let our instructors train employees at your company.

TPC's Private Group Training option accommodates companies that require specific training on equipment or processes unique to their production facility. Organizations can choose from over 50 classes that TPC Training's Instructor-led training division offers.

Instructors deliver hands-on education in either a virtual format or by bringing an instructor right to your facility. On-site courses provide customized targeted training directly connected to daily tasks while your workforce learns in their facility, saving time and money while increasing productivity.

HVAC Training

live.tpctraining.com/hvac

Plant Management

live.tpctraining.com/plant

Electrical Training

live.tpctraining.com/electrical

Mechanical and Industrial Training

live.tpctraining.com/mechanical



BENEFIT: Flexible and scalable for multiple shifts and large groups, on-site private group training combines the knowledge retention gains of live teaching with the ability for workers to learn in their environment.

Receive a no-obligation quote for private group training by calling **877-978-7246** or emailing at onsite@tpctraining.com.

TPC Simulations

tpctraining.com/simulations

Learn to diagnose and repair electrical problems in a safe environment with TPC Simulations. Most of our instructor-led training courses include simulations so that your teams can experience hands-on practice with no risk to their safety or your facility.

TPC Simulations allow our expert trainers to walk through troubleshooting scenarios and give trainees the most realistic experience possible while learning to fix common errors, faults, and malfunctions.

Available in both in-person and virtual instructor-led training courses as well as for online courses without a live instructor, this technology is crucial in providing real-world experience to novice and seasoned workers alike, resulting in their ability to quickly identify and resolve problems they may face in real work settings.

Simulation learning systems provide a modern, adaptable approach to electrical troubleshooting training and can be applied to a wide range of industries, including food and beverage, automotive, oil and gas, plastics, and industrial packaging — all within an industry-leading learning management system.



FOOD AND BEVERAGE



AUTOMOTIVE



OIL & GAS



PLASTICS



INDUSTRIAL PACKAGING



BENEFIT: TPC's electrical troubleshooting simulations offer an immersive environment to prepare your maintenance workers to diagnose and resolve issues quickly on the factory floor. After Simulations-based training, workers will have a firm grasp of troubleshooting, leading to a reduction in downtime and an increase in workplace safety.

Learn more at: tpctraining.com/simulations. Get answers to your simulations questions: **847-808-4000** or email us at: sales@tpctraining.com.

TPC's Qualified Electrical Worker Program

tpctraining.com/QEW

This program is the best way to get your workers prepared to work safely with proper skills in situations involving electrical hazards. OSHA regulations require that those working on electrical equipment and circuits energized to at least 50 volts must be qualified electrical workers (QEW).

Through TPC's QEW program of courses, workers gain the skills and knowledge to complete work on construction and operation associated with electrical troubleshooting and maintenance, while learning to avoid hazards.

The curriculum can be completed over a two-year period with multiple learning modalities utilized and a choice of several specialization paths. Along the way, workers will complete a total of 30 TPC digital skills-based courses, 4 learning labs, 5 troubleshooting simulations, and mobile on-the-job assessments to become a QEW. Take the stress out of meeting this requirement for electrical workers via this programmatic approach to becoming a QEW.

Industrial Safety

- 32 Total Hours
- 4 Digital Courses
- 1 Simulation Learning Lab
- Optional OSHA 10 General Industry Training

Basic Electricity & Controls

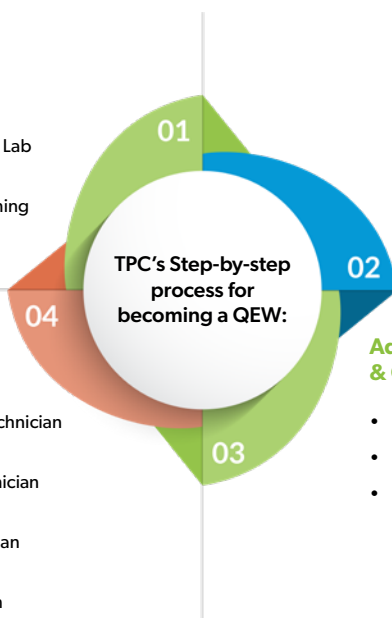
- 60 Total Hours
- 5 Digital Courses
- 1 Simulation Learning Lab
- 1 Troubleshooting Simulation

Specialization Paths

- Power Generation Technician (20 Hours)
- Motor Controls Technician (60 Hours)
- PLC Controls Technician (90 Hours)
- Multi-Craft Technician (70 Hours)

Advanced Electricity & Controls

- 40 Total Hours
- 3 Digital Courses
- Troubleshooting Simulations for all Levels



More details available at tpctraining.com/QEW. Questions? Email us at sales@tpctraining.com.



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TPC customers all have one asset in common: Their people.

Partnering together, we help organizations realize the full potential of their workforce. It's not just about empowering and fostering a thriving loyal workforce. When employees grow and succeed, organizations do too.

We back all our courses with our No-risk Registration & Money-back Guarantee:

For all questions and more help:

- Visit live.tpctraining.com
- Call **877-978-7246**
- Email customerservice@tpctraining.com

