Your Single Source for Industrial Training

In today’s challenging business environment, the demand for innovative technology and hands-on training has never been more critical. Cooper Industries, a leading manufacturer of a variety of electrical products, and hand and power tools, is a proven leader in providing groundbreaking solutions for the global industrial marketplace.

The Cooper Technology Center, located in Houston, Texas, is a state-of-the-art industrial training facility dedicated to the ongoing training and education of end-users, distributors, and engineering and procurement professionals. This first-of-its-kind, 35,000-square-foot facility features an auditorium, conference room and multiple training rooms designed to help facilitate industry-specific education and provide hands-on demonstration of a vast array of the industrial products and solutions offered by the company.

Among the center’s most notable features is a full-scale mock refinery, which includes over 250 of Cooper’s industrial offerings, installed as they would appear in an operational setting. These include:

- Energy-saving lighting solutions featuring LED technology
- Industrial fuses and electrical distribution products
- Industrial fittings, plugs and receptacles
- Electrical connection and control products
- Electrical enclosures and cable trays
- Industrial hand and power tools

With hands-on classroom settings, curriculum representing Cooper’s vast expertise and global product offering, and a mock refinery to help deliver realistic scenarios and applications, this facility offers an unparalleled opportunity for its visitors to receive vital training and education.
The Cooper Technology Center features an array of contributions from the company’s eight diverse business units. Each division of Cooper brings an undeniable amount of quality and innovation to the industrial space. Combined with an impressive global reach and time-tested reliability, Cooper offers the expertise of a true industry leader.

**Cooper B-Line**
Cooper B-Line is a leading manufacturer of quality support systems and enclosures for the mechanical, electrical and telecommunications industries. Products include cable tray, pipe hangers, spring steel fasteners, telecommunication support systems, electrical enclosures, meter-mounting equipment and electronic cabinets.

**Cooper Bussmann**
Cooper Bussmann manufactures a wide variety of North American and European-styled fuses for the electrical, electronics and transportation industries, plus inductors and transformers for power quality in electronic applications. Cooper Bussmann also offers engineering, training and testing services focused on downtime reduction, workplace safety and code compliance.

**Cooper Crouse-Hinds**
Cooper Crouse-Hinds produces electrical products for light and heavy industrial applications. Products include fittings, enclosures, apparatus and industrial motor controls, signals and alarms, industrial lighting and plugs, receptacles, and intrinsically safe equipment for abusive, hazardous and corrosive environments.

**Cooper Lighting**
Cooper Lighting is a leading provider of lighting fixtures and related products to worldwide commercial, industrial, residential and utility markets. The company is the leading manufacturer of track and recessed lighting in North America and one of the largest fixture manufacturers of incandescent, fluorescent, H.I.D., exit and emergency, vandal resistant, sports, landscape and complex environment lighting.

**Cooper Power Systems**
Cooper Power Systems engineers and manufactures medium- and high-voltage electrical equipment, components and systems that deliver reliable electric power to homes, industries, businesses and institutions worldwide. It is also a leading provider of software, communications and integration solutions that enable customers to increase productivity, improve system reliability and reduce costs.

**Cooper Safety**
Cooper Safety manufactures emergency and mass notification solutions. The company offers a broad suite of products, including emergency lighting systems for industrial and commercial buildings, notification solutions for mass notification, industrial signaling and fire system components, fire systems for commercial buildings, and intruder alarm systems for residential and commercial property.

**Cooper Tools**
Cooper Tools manufactures many well-known brands of specialized industrial power tools, hand tools, chain, and electronic soldering products for automotive, aerospace, electronic, energy, hardware, industrial and volume retail markets. It offers a broad selection of products and solutions that provide valuable productivity and service to the global industrial marketplace.

**Cooper Wiring Devices**
Cooper Wiring Devices manufactures electrical wiring device products for industrial, commercial and residential applications. With the broadest range of industrial, commercial and consumer grade products in the industry, Cooper Wiring Devices can fulfill the needs of any manufacturer for durable, reliable components.
Curriculum

Practical Training in One Convenient Location

The Cooper Technology Center offers an extensive set of training courses and continuing education opportunities. With dedicated classrooms for each division of Cooper, attendees can select from a diverse set of classes covering a wide range of topics critical to industrial professionals.

Some of the courses visitors will benefit from include:

**Electrical Power Systems Maintenance and Safety**
- Cooper Bussmann

The NFPA 70E requires that over-current protective devices (OCPD) be properly maintained, either according to the manufacturer’s instructions or to industry consensus standards. This session discusses the effects of improper maintenance and how a maintenance program can save a company money.

**Masters Club**
- Cooper Crouse-Hinds

Offering a balance of classroom lecture, demonstrations and hands-on workshops, this program includes an overview of global hazardous location classifications and training on the entire line of Cooper Crouse-Hinds electrical products, to help distributor partners offer customers the right solution for the right application.

**Industrial Lighting Solutions**
- Cooper Lighting/Cooper Crouse-Hinds

This two-day course focuses on lighting design techniques for industrial, commercial, manufacturing and warehouse environments. Participants will gain an understanding of lighting legislation as it relates to each application.

**Field Engineer Training**
- Cooper Safety

This training course is designed to provide the basic skills necessary to conduct site surveys, ensure proper radio frequency network connectivity and determine intelligibility requirements that meet the customer’s needs.
Transformer and Capacitor Application Training
- Cooper Power Systems

This course will provide an overview of power capacitors with an emphasis on capacitor bank design, power factor improvement, harmonic mitigation, application issues, protection, and specification development in typical commercial and industrial facilities. The class will also cover transformer design and construction, ratings, voltage designations, connections, features, accessories, dielectric fluids and NEC compliance.

Basic Electrical Product Solutions
- Cooper Industries

This is the first cross-division electrical training course offered by Cooper Industries. The course will provide an introduction to the breadth of Cooper’s electrical products as they apply to industrial environments. Divisions represented in the training will be B-Line, Bussmann, Crouse-Hinds, Lighting, Safety and Wiring Devices.

Technical Design Considerations
- Cooper B-Line

This half-day seminar explores how to effectively engineer support systems including cable tray, strut systems, etc.

IEC/NEC
- Cooper Crouse-Hinds

This one-day course offers a comparison between the National Electrical Code® and international electrical practices. It covers IEC and NEC requirements, definitions and terminology, equipment construction, and even includes a “live” explosionproof demonstration.

For more details on the courses offered this quarter, see the Calendar on page six or visit www.coopertechnologycenter.com.
Why the Cooper Technology Center?

Cooper Technology Center

Unique Training Environment, Unparalleled Product Selection

The Cooper Technology Center offers an unparalleled representation of products and solutions, both in classroom settings, and in its one-of-a-kind mock refinery. While training with Cooper, visitors will experience the latest and most relevant technologies through hands-on exercises with products from all eight Cooper Divisions.

Within the “refinery,” visitors can engage with products displayed in five key industrial environments, including:

- Class 1, Division 1 – LED and high-performance lighting, explosionproof fittings and enclosures, cable tray, strut and explosionproof visual signals from Cooper Crouse-Hinds, Cooper B-Line and Cooper Safety
- Class 1, Division 2 – Motor starters, control stations and panelboards, plugs and receptacles, an internal power center, cable tray and call points from Cooper Crouse-Hinds, Cooper Power Systems, Cooper B-Line and Cooper Safety
- Corrosive Environment – WAVES® mass notification system, fiberglass cable tray, glass-reinforced polyester (GRP) motor controls and enclosures from Cooper Safety, Cooper B-Line, Cooper Wiring Devices and Cooper Crouse-Hinds
- Non-Hazardous Location – Tool room, equipment room and control room outfitted with Wonderware®, Cybectec, Cannon, Invision™ and WAVES® IBS software from Cooper Crouse-Hinds, Cooper Power Systems, Cooper Bussmann, Cooper Safety, as well as fuses and tools from Cooper Bussmann and Cooper Tools
- Substation – Transformers, capacitors, reclosures, arresters, regulators, switchgear and Envirotemp® FR3™ transformer fluid from Cooper Power Systems

Without a doubt, visitors of the Cooper Technology Center will have access to one of the widest selections of industrial products under one roof. Among the industry-leading brands visitors will see are:

**COOPER B-Line**
- Redi-Rail
- F.A.S.T.
- Emperor Cable Cleats
- Cent-R-Rail
- Dura-Clean

**COOPER Crouse-Hinds**
- Arktite
- Champ
- Chico SpeedSeal
- FlexStation
- Myers

**COOPER Bussmann**
- Buss
- Edison
- Fusetron
- Limitron
- Low-Peak

**COOPER Lighting**
- Metalux
- Sure-Lites
- Halo
- Lumark

**COOPER Power Systems**
- Kyle
- RTE
- Kearney
- Cannon
- Envirotemp FR3
- McGraw Edison

**COOPER Safety**
- WAVES
- RSAN
- Roam Secure
- Wheelock
- MEDC

**COOPER Tools**
- Crescent
- Campbell
- Lufkin
- Cleco
- Gardner-Denver

**COOPER Wiring Devices**
- Arrow Hart
- Aspire RF
- Hart-Lock
- Mediasync