

Advanced Technology Center (ATC) Tour / Live Intellirupter Lab Demonstration

Saturday, November 13, 2010

S&C Electric Company

About the Reservation Request Process

The Advanced Technology Center tour and Live Intellirupter Lab Demonstration has a limit of 50 people. Reservations will be accepted until the deadline stated below, but only the first 50 individuals will be permitted to participate. For tours, the IEEE PES Chicago Chapter uses a simple policy that "your check is your reservation". Without your check, we cannot reserve a seat for you. However, to ease the chore of collecting participant data, we use the online form linked below under "Tour Reservations".

The tour will be at S&C Electric Company's campus (1800 W Devon Ave., Chicago, IL 60626). Upon entering on Devon Ave., security will direct attendees to the appropriate parking lot.

Safety glasses are required, please bring safety glasses if you have them (spares will be available).

Location	Time
S&C Electric Company Building 3 Cafeteria	9:00AM
Group 1 – ATC Tour, Group 2 – Intellirupter Presentation	9:30AM
Group 1 – Intellirupter Presentation, Group 2 – ATC Tour	10:15AM
Both Groups – Live Lab demonstration of Intellirupter	11:00AM
Lunch	11:45AM
Adjournment	12:30PM

Tour Reservations

Please submit your online reservation data by noon on Thursday Nov 11 2010. **The tour is limited to 50 people.** To secure your seat on the tour, you must submit your data via the [Online Tour Reservation Form](#) and **mail your check early enough to be received by Thursday Nov 11 2010.** The postal address will be displayed along with your reservation data, once you submit the tour reservation form.

The cost to go on the tour is \$15 members / \$20 non-members / \$10 students. Please make checks payable to "IEEE-PES Chicago Chapter". A light breakfast will be provided before the tour. Following the tour, lunch will also be provided. Please note any dietary restrictions in the "Comments" textbox on the tour registration form.

S&C Electric Company's new Advanced Technology Center ("ATC").

The recently completed facility will enable S&C to accelerate development and delivery of innovative electrical switching and protection products in the United States, including the highly sophisticated automatic service restoration, energy storage, and power quality equipment needed for the Smart Grid.

The testing laboratory at the heart of the ATC includes two 850-megawatt electrical short-circuit test generators that can test up to 100 kA and up to 230,000 volts. The laboratory will allow S&C to perform quality control and other testing at the Chicago industrial campus, instead of relying on costly, time-consuming visits to test labs in Europe.

The ATC is one of the most environmentally-friendly facilities of its kind in the world. The 43,000-squarefoot structure minimizes environmental impact through numerous energy-efficient and sustainable design features, including an 8,000-square-foot green roof, use of recycled content and locally-produced building materials, and other innovative measures.

The ATC holds LEED "Gold Certification" rating per the U.S. Green Building Council. It's one of the first industrial buildings in the Chicago metropolitan area to hold such a rating.

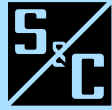
IntelliRupter PulseCloser

S&C's IntelliRupter PulseCloser is a breakthrough in overhead distribution system protection. It's a unique alternative to conventional automatic circuit reclosers. IntelliRupter was designed from the ground up to accommodate advanced distribution automation functions, including S&C's self-healing, scalable IntelliTEAM SG™ Automatic Restoration System — a universal Smart Grid solution offering unmatched interoperability. IntelliRupter offers significant benefits for radial line protection. And it provides better segmentation and coordination than conventional reclosers in non-communicating loop restoration applications.

After clearing a fault, a conventional recloser tests the line through uncontrolled closing — repeatedly applying damaging fault current to equipment from the source to the fault. But IntelliRupter utilizes S&C's revolutionary PulseClosing™ Technology — a unique means for verifying that the line is clear of faults before initiating a close operation. Pulseclosing greatly reduces stress on system components, as well as voltage sags experienced by customers upstream of the fault.

Continuing Education

IEEE technical meetings may be acceptable as continuing education where required for maintenance of professional engineering licensure. Refer to the individual state's requirements for details. A receipt for one Professional Development Hour (PDH) will be provided.



Directions to S&C Electric Company

6601 North Ridge Boulevard, Chicago, Illinois 60626-3997 (773) 338-1000

From O'Hare Airport:

Take Interstate 190 to the Kennedy Expressway, Interstate 90. Exit at Nagle Avenue and turn left; proceed north to Devon Avenue. Turn right onto Devon Avenue and travel east to Ridge Boulevard. Turn left onto Ridge Boulevard and go about one-quarter mile north to S&C's Ridge Boulevard entrance on your right.

From Midway Airport:

Exit Midway airport north onto Cicero Avenue to Interstate 55 east. Travel east on Interstate 55 to Lake Shore Drive, (Highway 41 North). Interstate 55 merges left onto north Lake Shore Drive. See "From Downtown," below, for additional directions.

From the North:

Take Interstate 94 to the Touhy Avenue East exit. Travel east on Touhy Avenue to Ridge Boulevard and turn right. Continue south to the Ridge Boulevard entrance to S&C, just about one-quarter mile south of the Pratt-Ridge intersection on your left.

From the West:

Via Interstate 90: Exit at Nagle Avenue and turn left; proceed north to Devon Avenue. Turn right onto Devon Avenue and travel east to Ridge Boulevard. Turn left onto Ridge Boulevard and go about one-quarter mile north to S&C's Ridge Boulevard entrance on your right.

Via Interstate 88: Proceed to Interstate 294, travel north to Interstate 90, and then go east to the Nagle Avenue exit. Turn left onto Nagle Avenue and proceed north to Devon Avenue. Turn right onto Devon Avenue and travel east to Ridge Boulevard. Turn left onto Ridge Boulevard and go about one-quarter mile north to S&C's Ridge Boulevard entrance on your right.

Via Interstate 55: Proceed to Interstate 294, travel north to Interstate 90, and then east to the Nagle Avenue exit. Turn left onto Nagle Avenue and proceed north to Devon Avenue. Turn right onto Devon Avenue and travel east to Ridge Boulevard. Turn left onto Ridge Boulevard and go about one-quarter mile north to S&C's Ridge Boulevard entrance on your right.

From the South or the East:

Via Interstate 57: Proceed to Interstate 94 North. Follow Interstate 94 to Interstate 55 East. Travel east on Interstate 55 to Lake Shore Drive, Highway 41. Turn left onto Lake Shore Drive. See "From Downtown," below, additional directions.

Via Interstate 94: Follow Interstate 94 North to Interstate 55 East. Travel east on Interstate 55 to Lake Shore Drive, Highway 41. Turn left onto Lake Shore Drive. See "From Downtown," below, for additional directions.

Via Interstate 90: Cross the Chicago Skyway and continue north on Interstate 90 to Interstate 55 East. Travel east on Interstate 55 to Lake Shore Drive, Highway 41. Turn left onto Lake Shore Drive. See "From Downtown" below, for additional directions.

From Downtown (The Loop):

All major highways lead to downtown Chicago, from which you can enjoy our scenic Lake Shore Drive en route to S&C. Travel north on Lake Shore Drive. Take one of the two right hand lanes onto Sheridan Road. Follow Sheridan Road to where it turns left onto Devon Avenue. Proceed about one mile west, passing under two viaducts along the way. Turn right onto Ridge Boulevard and go about one-quarter mile north to S&C's Ridge Boulevard entrance on your right.

