

The Siemens logo is displayed in a teal, sans-serif font.

Ingenuity for life

A photograph of an industrial control panel in a factory setting. The panel is open, revealing internal components. A blue, glowing world map is overlaid on the right side of the panel, with various certification logos (UL, IEC, CE, ENEC, CCC, and a warning symbol) floating around it.

Control Panel Online Symposium

December 12th, 2019
9:00 am - 5:30 pm EST

SE Automation
A Standard Electric Supply Co.



Siemens, EPLAN, UL and CSA are teaming up to host a first of its kind Control Panel Online Symposium! Hear the latest news, trends and best practices in industrial control panel standards, design, engineering and manufacturing directly from industry experts.

The Control Panel Online Symposium brings industry experts directly to you! The event is free and completely online, eliminating travel costs and time. Throughout the day, take part in seminars on control panel related topics, visit the virtual trade show, and chat directly with the experts to get your questions answered. Below you will find a detailed agenda and seminar abstracts.

To register, please visit www.siemens.com/controlpanel-symposium

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Agenda:

08:30 am

Control Panel Online Symposium Opens

09:00 am

Welcome & Kick-off

09:15 am

Seminar Sessions - Choose from the following seminars:

- Electrical and Automation Design - better together
- EMC in control cabinets - guideline, standards and practical tips
- SCCR according to North American Standards for Control Panels
- Industrial Control Panels acc. IEC standards and European Directives (CE Mark)

10:15 am

Break & Virtual Trade Show

10:30 am

Seminar Sessions - Choose from the following seminars:

- Efficient Engineering with Siemens
- Communication in the Control Cabinet
- Efficient control panel design - Save time and space
- Introduction to new Canadian Standards for Industrial Machinery and Control Panels

11:30 am

Break & Virtual Trade Show

11:45 am

Seminar Sessions - Choose from the following seminars:

- Realize Your Semi-Automated Workflow Today
- Electrical and Automation Design - better together
- What's new in standards for the North American market - Control panels and electrical equipment
- SCCR according to North American Standards for Control Panels

12:45 pm

Lunch Break & Virtual Trade Show

2:00 pm

Seminar Sessions - Choose from the following seminars:

- Introduction to new Canadian Standards for Industrial Machinery and Control Panels
- EMC in control cabinets - guideline, standards and practical tips
- Industrial Control Panels acc. IEC standards and European Directives (CE Mark)
- Efficient control panel design - Save time and space

3:00 pm

Break & Virtual Trade Show

3:15 pm

Seminar Sessions - Choose from the following seminars:

- Communication in the Control Cabinet
- What's new in standards for the North American market - Control panels and electrical equipment
- Realize Your Semi-Automated Workflow Today
- Efficient Engineering with Siemens

4:15 pm

Virtual Trade Show & Open Chat

5:30 pm

End of the event



Seminar Abstracts:

Efficient control panel design - Save time and space

The challenges regarding time and cost pressure in electrical engineering and control panel construction are enormously high. In this seminar, we will overview the UL & CSA standards requirements for power circuit design and give you tips and tricks for more efficient control cabinet construction.

Speaker: Siemens

EMC in control cabinets - guideline, standards and practical tips

What effect does the current EMC Directive 2014/30/EU have on the control cabinet? Which standards are relevant and must be considered? And how can electromagnetic phenomena be considered during the engineering phase? In this seminar, we will provide practical tips as well as information on the current guideline and the relevant standards and their application.

Speaker: Siemens

SCCR according to North American Standards for Control Panels

Marking of an industrial control panel's short-circuit current rating (SCCR) is required in the U.S. and Canada. How do you determine the SCCR of your industrial control panel? In this seminar, we will review the technical details of short-circuits and how to properly determine your panel's SCCR.

Speaker: Siemens

Electrical and Automation Design - better together

The classic design process of production systems is characterized by sequential steps, that are often duplicated and that require a large amount of collaboration between disciplines. This way of working is reaching its limits in a market where the automation of systems is ever increasing, while time-to-market is ever decreasing. Siemens proposes a new way of working that combines the tasks of electrical and automation design in a single tool, allowing controls engineers to design production systems faster, while also increasing quality. Combining this with mechanical design integration, we create a design environment that spans the entire design process from start to finish, enabling collaboration across your entire organization. Join us to see how you can increase engineering efficiency and be more competitive in your business.

Speaker: Siemens

Efficient Engineering with Siemens

Simply meeting the standard and application requirements for a control panel is not enough anymore. Today, Engineers and Designers face immense pressure to be more efficient in their engineering process. In this seminar, we will share best practices for improving engineering efficiency and show free, easy-to-use tools that can help you size branch circuits, select protective devices, quickly gather documentation and data, and much more.

Speaker: Siemens



Communication in the Control Cabinet

Adding communication to the control panel has many added benefits for both panel builders and end-users. For the end user, communication allows for system level diagnostics that can help avoid costly downtimes. For panel builders, adding communication in the control panel can mean a significant reduction in wiring and assembly time. In this seminar, we will explore technologies such as IO-Link and Industrial Ethernet (PROFINET) enabled pilot devices that add communication in the control panel while reducing overall wiring and assembly time.

Speaker: Siemens

Industrial Control Panels acc. to IEC standards and European Directives (CE Mark)

Most of the global markets require and apply international IEC standards. In Europe, the relevant European Directives (CE mark) need to be fulfilled for market access. In this seminar, you will get the latest requirements and basics concerning IEC standards and the most relevant European Directives (CE mark) for electrical equipment of machines as well as for industrial control panels.

Speaker: Siemens

Introduction to new Canadian Standards for Industrial Machinery and Control Panels

Do you export industrial control panels or machinery to Canada? Did you know that Canada recently introduced new standards for industrial control panels? In this seminar, we will overview the new standards in Canada, discuss major difference between UL and CSA standards for control panels, and provide practical examples of CSA certification process for control panels according to Canadian Electrical Code.

Speaker: CSA

Realize Your Semi-Automated Workflow Today

Smart Manufacturing is a hot topic amongst today's panel builders and the customers they support. A semi-automated workflow may seem like an impossible goal, but with the right partners and technology, it can be achieved sooner than you think. In this seminar, we will show you how digitalizing the process of design and manufacturing will result in a higher quality output, as well as a reduction of lead-time and costs.

Speaker: EPLAN

What's new in standards for the North American market - Control panels and electrical equipment

This seminar will be an overview of changes to U.S. standards for electrical equipment of machines and control panels. The focus of this presentation will be the challenge of "New standards and codes" for product certification. A summary of the changes to the Third Edition of the UL508A Standard for Industrial Control Panels and the 2020 National Electrical Code will be provided. The effect of these changes on product design and certification will be covered. The presentation will also include an explanation of significant differences between U.S. and Canadian standards.

Speaker: UL