

Panels and Integrated Systems



Upgrade your system, increase reliability,
and lower operational costs

- Pre-engineered or custom panel designs by local SEL engineers provide the best fit for your application.
- Testing and validation prior to shipping confirm interoperability, reducing interface challenges in the field.
- A simplified control architecture and precision fabrication enable exact and efficient installation.
- Replacing aging control and protection panels improves reliability and helps reduce operating costs.



The SEL Difference

Retrofitting and installing new relays is increasingly important because of reliability issues with legacy relay systems; the need to reduce operating costs; and the requirement to verify proper protective relay operations.

At SEL, we design, manufacture, test, and deliver protection, automation, control, and metering panels as well as control cabinets and retrofit doors. Our unique capabilities make us well-suited to provide expert panel solutions. With vertical integration and experienced engineers, we keep costs low while still meeting your unique requirements.

SEL offers a ten-year warranty on SEL-manufactured devices and workmanship for panels, control cabinets, and retrofit solutions. Our complete panel solution capabilities and designs include:

- Consulting and engineering design.
- Panel manufacturing and testing.
- Protection, automation, and control equipment programming.
- Field service and onsite support.
- Standard and custom cabinet designs.
- Indoor and outdoor design.
- Submersible cabinets for underground distribution and automation.
- Customer training.
- Detailed drawing packages.

Global Expertise at a Local Level

Our power system expertise comes from years of hands-on experience. Local SEL engineers have the essential skills, knowledge, and resources to solve the tough problems others can't.

Customized Solutions

Our designs are flexible, and so are we. SEL engineers can install an "all blue" SEL solution, or on request, we can incorporate third-party engineering and design.

Streamlined Testing and Commissioning

We thoroughly test and validate panel connections, operations, and coordination in our factory prior to delivery. This process decreases time spent on commissioning and troubleshooting, helping bring systems online faster.



Our Thorough Approach—The Advantage of Experience

Each order is managed by an experienced project manager through design, manufacturing, factory acceptance testing, and delivery. We can also manage installation and commissioning activities. This means you will have one point of contact throughout the entire project, making communication quick and easy.

Our designers work with the engineers and manufacturing team to develop complete documentation packages. We can also incorporate or manufacture solutions in accordance with third-party design documentation. Our flexible approach means we provide the right solution, whether it is a retrofit upgrade or new equipment installation.

For retrofits of existing panels, we will replace obsolete protective devices with new, digital electronic devices. SEL engineers provide the necessary documentation, settings, and other services to smoothly integrate solutions with new and legacy systems so as not to interrupt operations.

We engineer and test our panels under one roof to confirm interoperability before sending them to the field. Our thorough approach eliminates any interface problems between separate devices. When an SEL panel arrives onsite, it is already verified as fully functional.

SEL standard designs have features and functions that satisfy a broad range of applications. Power systems typically expand over time, which is why our engineers leave room for additional devices and connections. We put connections in easy reach for technicians, and we label every wire at both ends to make connections obvious and to speed up troubleshooting. Our safety best practices include color-coding the wiring to indicate voltage and placing high- and low-voltage wires in separate conduits.

A single SEL panel can replace many individual, separately installed devices and enclosures. Consolidating and upgrading devices to the best available technology eliminates excessive interdevice wiring, making the installation faster and easier. This approach simplifies the control architecture and improves reliability.

At SEL, we pride ourselves on being a total solution provider for our customers. We work with you to define the designs and services that are best suited for your applications. Some projects may start with a marker and a blank whiteboard. We assist with each stage of your panel project, from planning to installation. Utilizing our extensive engineering and manufacturing capabilities, we will produce panel projects to your specific requirements.





Making Electric Power Safer, More Reliable, and More Economical
+1.509.332.1890 | info@selinc.com | selinc.com

© 2026 by Schweitzer Engineering Laboratories, Inc.
PF00106 • 20260806

