

POWER SOLUTIONS FOR TRANSPORTATION





For over 25 years, Schweitzer Engineering Laboratories has delivered solutions that make electrical power systems safer, more reliable, and more economical. Transportation companies worldwide take advantage of advanced power management solutions from SEL and are supported by SEL engineers who know their industry and business.

Headquartered in Pullman, Washington, USA, and with three world-class manufacturing centers, SEL has sales offices in more than 15 countries and technical service centers in over 30. We have provided power solutions for critical operations in over 125 countries and for some of the most recognizable companies in the world, including:

- Lockheed Martin
- Nanjing Metro Company Ltd.
- FedEx Mid-Atlantic Hub
- Shenzhen International Airport
- China State Shipbuilding Corp.
- GO Transit
- Zhengzhou Railway Bureau
- Macrobus



## APPLICATIONS

SEL provides innovative, technologically advanced power management solutions for:

- Light- and high-speed rail
- Pier-side power
- Transportation terminals
- Security surveillance systems
- Radar and communications systems
- Highway infrastructure
- Shipboard power systems
- Aerospace manufacturing



## PERSONALIZED SERVICE

**SEL** provides personalized service and ongoing technical support that is consistently ranked by our customers as the best in the industry. SEL engineers have the field experience and engineering expertise to provide application-specific solutions for a variety of electric power systems.

**SEL Engineering Services Division** takes a holistic approach to power system design and construction. From engineering studies and design, to installation and testing, SEL provides cost-effective engineering, procurement, and construction (EPC) services to customers around the world.

**SEL University** provides power systems training to engineers and technicians. Courses include product application, testing, and integration and automation. Our qualified instructors address current issues in managing power systems by focusing on practical applications and real-world problem solving.



## EXCELLENCE

SEL has built its reputation in the electric utility industry and was recently chosen as #1 among protective relay manufacturers across all categories in an independent study by Newton-Evans Research Company.

With more than 15,000 customers served, SEL has sold over 1.5 million products to industries ranging from transportation, mission critical facilities, commercial buildings, healthcare, education, water and wastewater, alternative energy, metals and mining, biotechnology, and oil and gas.

SEL takes our commitment to quality seriously, as demanded by our customers' very critical applications, and is certified to the International Standards Organization (ISO) 9001:2008 Quality Management Systems Standard.

The SEL ten-year, worldwide product warranty is proof of our confidence in the quality products we manufacture, following the strictest industry standards.

## SOLUTIONS

SEL protection, control, and metering solutions meet the specific needs of the transportation industry. These solutions provide highly reliable, flexible options capable of meeting all your requirements for:

- Power Management
- Power Protection
- Automation and Integration
- Precise Timing
- Metering/Submetering
- Generator and Motor Protection
- Power Quality Monitoring and Control
- Substation Control Enclosures
- Cybersecurity
- Data Communications
- Custom Panels



## RELIABILITY

SEL designs and manufactures products for the world's most challenging environments, exceeding all industry standards for temperature, shock, and electric stress. SEL products operate in a temperature range of  $-40^{\circ}$  to  $+85^{\circ}\text{C}$  ( $-40^{\circ}$  to  $+185^{\circ}\text{F}$ ). SEL products withstand electrostatic shock up to 15 kV and are vibration/shock resistant up to 15 g.

With our worldwide, ten-year, no-questions-asked warranty, SEL's quality and service are legendary among our customers.



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