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Protect and Control Your Power System in Real Time: Introducing the SEL-3378 Synchrophasor Vector Processor

PULLMAN, WA — April 21, 2008 — Schweitzer Engineering Laboratories, Inc. (SEL) today announced the newest breakthrough in wide-area, real-time protection and control: the SEL-3378 Synchrophasor Vector Processor (SVP). The SVP combines phasor data concentration functions with flexible programming to provide a unique platform for advanced controls to improve electric power system reliability. The SVP processes synchrophasor data and sends commands to external devices in less than 6 milliseconds. The new SVP technology makes real-time control, using synchronous phasor measurement, a reality.

The SVP time-aligns incoming synchrophasor messages, processes them with an internal logic engine, and sends commands to external devices for high-speed control. Combine SEL predefined function blocks with standard IEC 61131-3 logic to build a synchrophasor-based monitoring, protection, automation, and control system. The SVP is the ideal tool for simple to sophisticated applications, such as:

- Direct state measurement
- Power calculations
- Phase angle measurement
- Substation monitoring and topology verification
- Modal analysis with frequency, magnitude, and damping ratio

Simplify automatic generator-shedding schemes, and detect and respond to power oscillations, power swings, and out-of-step conditions. Built for substation or other control locations, the SVP is easy to configure, with Ethernet and serial connections to any IEEE C37.118 phasor measurement unit. Its processing power with control and synchrophasor outputs are excellent for in-service or development applications. Apply the SVP directly for control or use with other SEL Synchrophasor products, such as SYNCHROWAVE[®] Server and Console Software for operator visualization.

Available now for only \$25,000, the SVP solves both wide-area and local control problems. For more information on features, benefits, and applications, contact your SEL representative or visit www.selinc.com/p87.

SEL serves the electric power industry worldwide through the design, manufacture, supply, and support of products and services for power system protection, monitoring, control, automation, and metering. SEL offers unmatched local technical support, a worldwide, ten-year product warranty, and a commitment to making electric power safer, more reliable, and more economical.

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Making Electric Power Safer, More Reliable, and More Economical[®]