Did you Know…

A. C. Engineering can now implement the Schweitzer Real Time Automation Controller (RTAC) into substations for SCADA, network security, and to control and communicate between other SEL IED's.

Applications:

- **SCADA and Engineering Access** – Have our team use the advanced capabilities of SEL's amazing RTAC to arrange communication protocols using DNP3, Modbus, SEL protocol, or Mirrored Bits communications. The RTAC can integrate both serial and ethernet connected intelligent electronic devices (IEDs). We can also set tags to communicate with SCADA systems to view and log events station wide.

- **Substation Human-Machine Interface** – We provide cost-effective local and remote monitoring, control, and annunciation for substations by using the SEL provided software to build a model specific to the substation or multiple substations. The SEL-5035 software is a web-based HMI that can be monitored anywhere with internet access.

- **Secure Communications** – Security is a necessity when the whole substation can be accessed remotely. Employ the RTAC, SEL-3620 ethernet gateway, and other accessories to provide extreme security to your substation's network. The system can detect intrusion, notification of any events, and logging to provide a secure network. Secure Shell (SSH) access provides encryption when logging onto the RTAC remotely.

- **Distribution Automation** – The RTAC has a built in IEC 61131 logic engine to create automatic distribution controls. This will minimize the outage size by isolating the faults and restoring power to areas unaffected by the fault. Using an RTAC allows distribution equipment to communicate and work together to control power factor and reduce voltage. In turn this will reduce the cost of operating a distribution system.

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