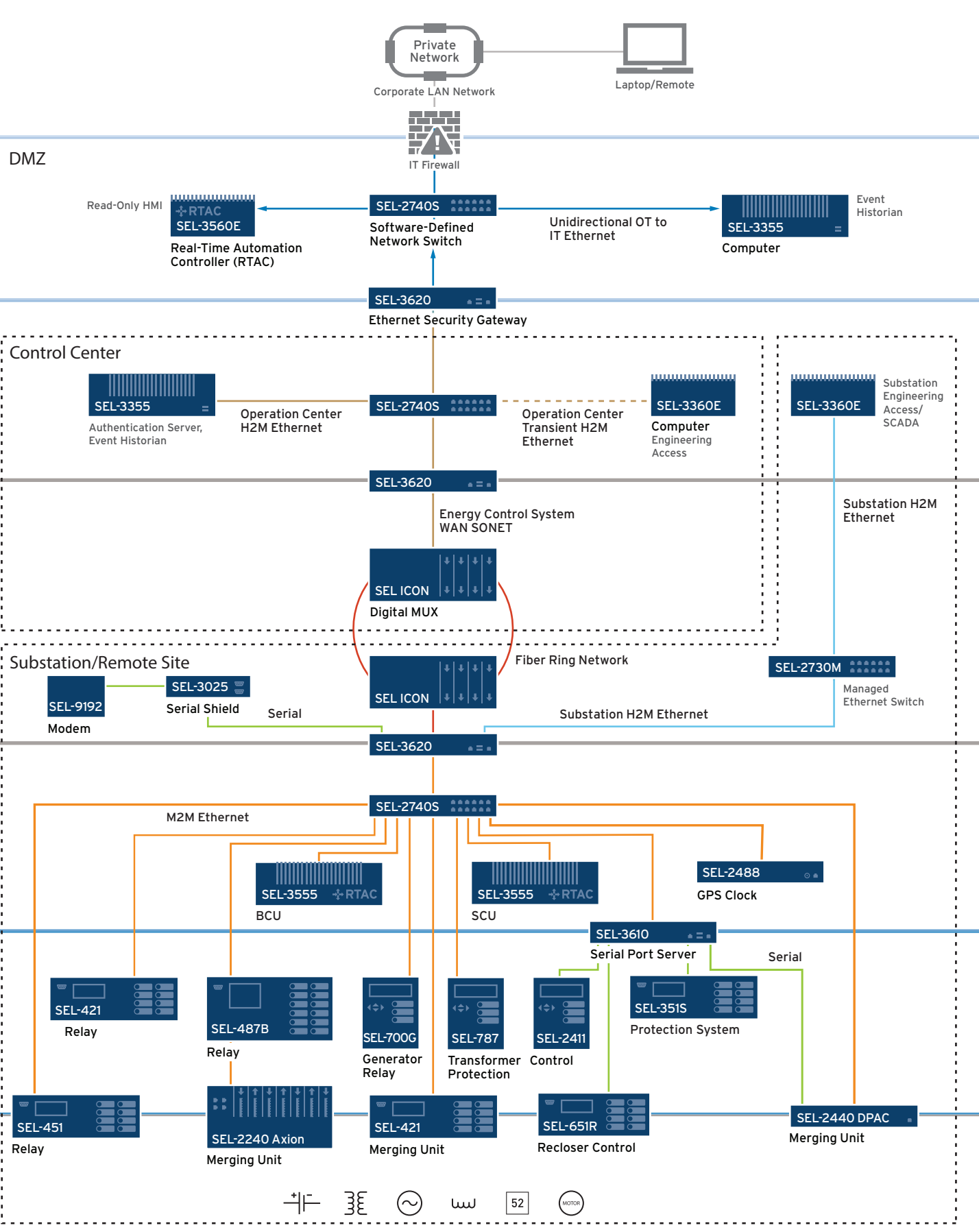


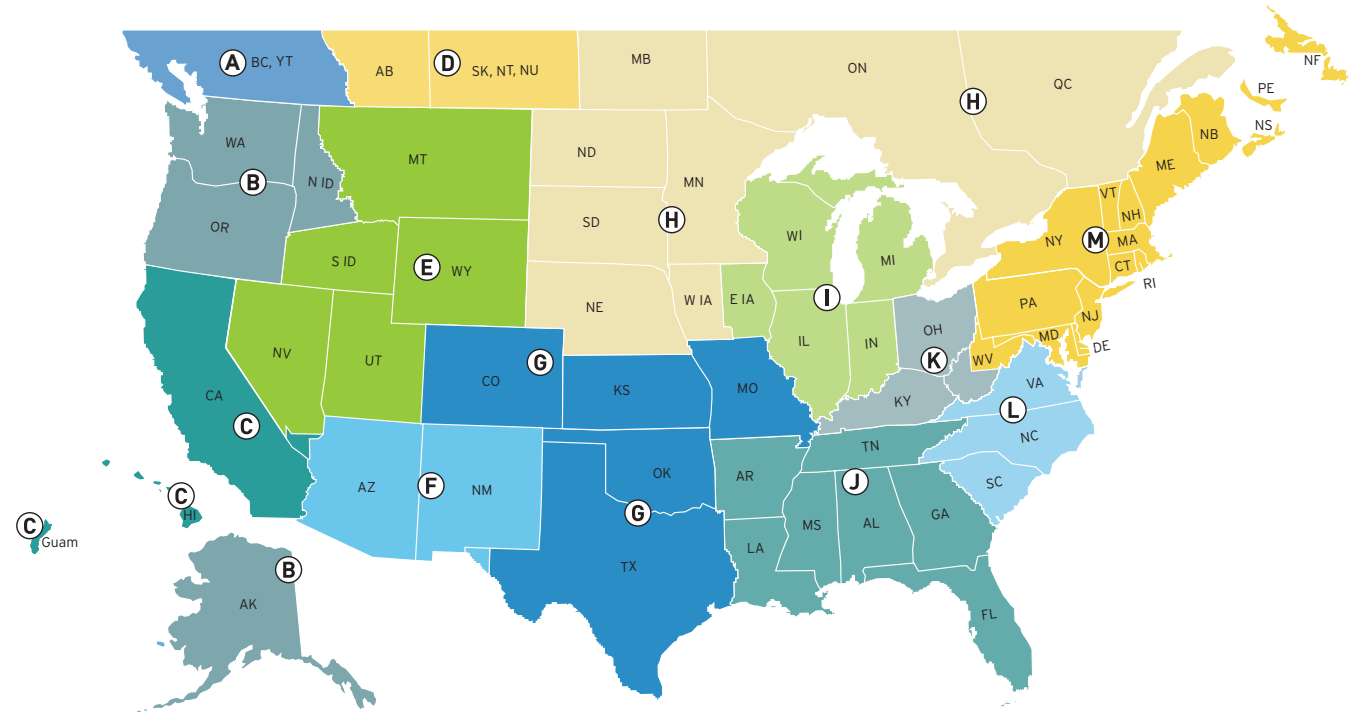


# Example Secure Control System Diagram

System Layers	Product Options
<b>IT Corporate Network</b> Delivers policies, procedures, training, and awareness.	SEL-3355 Computer SEL-3555 Real-Time Automation Controller (RTAC)
<b>L5   Perimeter</b> OT/IT Outer Firewall (FW) Separates the control system from the enterprise physically and electronically.	SEL-2740S Software-Defined Network Switch SEL-3355 Computer SEL-3620 Ethernet Security Gateway SEL RTAC
<b>L4   SCADA</b> Operation Center/Substation Human to Machine (H2M) Authorizes users and aggregates system data for analysis and visualization.	SEL-2730M Managed 24-Port Ethernet Switch SEL-2740S Software-Defined Network Switch SEL-3355 Computer SEL-3360 Industrial Wall-Mount Computer SEL-3620 Ethernet Security Gateway SEL ICON® Integrated Communications Optical Network (for Ethernet virtual synchronous network [VSN] technology)
H2M (Inner FW)	
<b>L3   Access</b> WAN Segregates H2M from machine to machine (M2M).	SEL-2730M Managed 24-Port Ethernet Switch SEL-2740S Software-Defined Network Switch SEL-3025 Serial Shield® SEL-3061 Cellular Router SEL-3620 Ethernet Security Gateway SEL-3622 Security Gateway SEL-9192 Utility-Grade USB Modem SEL ICON Integrated Communications Optical Network (for SONET/time distribution)
M2M (Edge FW)	
<b>L2   Automation</b> M2M Provides baseline and continuously monitors the system.	SEL-2240 Axion® SEL-2401, SEL-2407® Satellite-Synchronized Clocks SEL-2488 Satellite-Synchronized Network Clock SEL-2730M Managed 24-Port Ethernet Switch SEL-2740S Software-Defined Network Switch SEL-3031 Serial Radio Transceiver (for SCADA) SEL-3025 Serial Shield SEL-3620 Ethernet Security Gateway SEL ICON Integrated Communications Optical Network (for Ethernet/serial) SEL RTAC
<b>L1   Protection</b> M2M Isolate and clear faults to ensure safety and availability.	SEL-2032 Communications Processor SEL-2440 DPAC Discrete Programmable Automation Controller SEL-3025 Serial Shield SEL-3610 Port Server SEL ICON Integrated Communications Optical Network (for Ethernet/serial) SEL Relays
Digital/Analog	
<b>L0   Physical</b> Measure and operate for system safety and stability.	SEL-2240 Axion (Merging Unit) SEL Relays SEL Relays (Merging Units) SEL-651R Advanced Recloser Control SEL-2240 DPAC (Merging Unit)



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