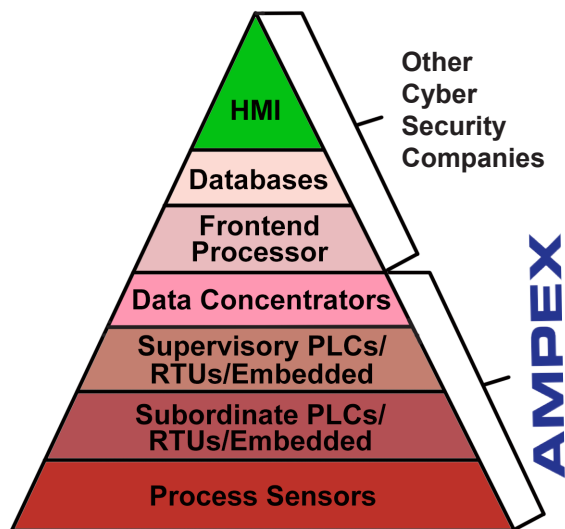


Can you afford to outsource cyber security for your industrial control systems (ICS)?

Can you afford NOT to?

- AMPEX service solutions are different because they focus on the unique, non-IP portion of the ICS pyramid
- Information Technology (IT) experts are not enough to protect your Operational Technology (OT) and ICS architecture ...

Control System Pyramid



Most security solutions focus on IP layer and common protocols. AMPEX includes ICS unique hardware and protocols.

BLUE Lightning



- Saves you money
- Does not rely on known malware signatures
- Learns normal operating parameters to identify small, but harmful changes within existing alert thresholds
- Detects intrusions, malware, and abnormalities at the physical layer
- Detects zero-day attacks
- Defends against spoofing attacks even after successful exploit of the PLC or RTU
- Includes non-malicious wear detection for conditions-based maintenance to increase equipment lifespan
- Deployable in line with the network or as an out-of-band configuration
- Scans and monitors industry standard protocols (Modbus, DNP3, BACNet, and GOOSE), others possible with development
- Generates alarms that are saved to the sensor monitor for diagnosis and action

Cyber & Electronic Analysis, Development, & Integration Laboratory (CEADIL)



AMPEX's CEADIL is the hub for the ICS cyber security solutions of your choice.

- Simple compliance is not good enough
- Companies address ICS security issues after an attack. BE PREPARED. GET ATTACKED NOW!
- Cyber and electronic attacks against virtual replications of your ICS, with vendor hardware in-the-loop in the safety of the CEADIL
- Attacking your ICS through less common, but highly susceptible attack surfaces like radio frequency (RF), antennas (i.e. microwave), and solar panels, in addition to IP network and human insider threat entry points
- ICS security R&D
- Education, training, and incident & mission rehearsals
- On-site consulting and remote monitoring

Unique CEADIL Capabilities:

- Major vendor hardware/software (Siemens, SEL, Honeywell, Schneider Electric, OPAL-RT)
- RF and electromagnetic interference-shielded enclosure for testing wireless devices/communications on-site
- Onsite manufacturing for rapid prototyping
- Virtual links to national laboratories and cyber ranges
- Machine Learning & Artificial Intelligence
- Certified Ethical Hackers
- Certified SCADA Security Architects
- Certified Hacking Forensics Investigators
- Certified Information Systems Security Professionals (CISSP)



From Silicon Valley to the Rockies, AMPEX has facilities to provide you ICS security solutions. Call for a free demonstration.

Ampex Data Systems is a Silicon Valley-based small business specializing in systems for acquiring, exploiting and protecting data with cost-effective solutions for data recording, on-board storage, cyber security, data management, machine learning and other associated technologies.

Our Colorado Springs facility includes a Cyber and Electronic Analysis, Development, and Integration Laboratory (CEADIL). The CEADIL provides state-of-the-art development, testing, modeling, simulation, and training for the full spectrum of cyber and electronic equipment, applications, and personnel, with an emphasis on cyber operations and airborne/ground-based control systems and associated networks.

Ampex Data Systems
CEADIL
4040 E. Bijou Street, Suite 195
Colorado Springs, CO 80909

Learn more at:
www.ampex.com/CEADIL

Contact us for a free demonstration!

Jeramie Crabtree
Cyber Security Sales Manager
jcrabtree@ampex.com
(303) 68-1954

Aaron Fansler
Chief Technologist
afansler@ampex.com
(303) 909-8669

William Hoffman
Chief Cyber Architect
whoffman@ampex.com
(970) 646-1679

Michael "MC" McClung
Colonel, U.S. Air Force, Retired
Business Development
mc@ampex.com
(904) 207-2126

Carl Lang
Business Development
clang@ampex.com
(480) 266-3808

Bob Wells
Business Development
Bob_wells@ampex.com
(803) 580-1864

Charles Curran
Business Development
ccurran@ampex.com
(415) 706-2353

AMPEX
Excellence at the Edge

Cyber Security for Industrial Control Systems As a Service

BLUE  **Lightning**



“The CEADIL”

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