Those on the frontlines of industrial operations, working with SCADA or industrial control systems (ICS), contend with often competing mandates to expand productivity while reducing costs through network integration. At the same time, the efficiencies-driven demand for remote support has increased access to control systems, injecting new cyber-vulnerabilities. Cyber-physical architectures add to the security challenge as ICS elements typically lack design support for mitigating cyber risks.

UltraFacility from 3eTI harnesses an array of industrial control and communication technologies to provide secure monitoring and management of infrastructure equipment such as HVAC systems, generators, water treatment pumps, and more. The solution easily embeds security into industrial automation and control systems to shield critical infrastructure, without interruption, against cyber-attacks.
SECURING INDUSTRIAL & CONTROL SYSTEMS

UltraFacility securely monitors the industrial facility, protecting perimeter infrastructure through real-time intelligent video surveillance and analytics. UltraFacility’s signature-based security extends to networked endpoints using protocol-specific parsing and whitelisting for assured data integrity.

Reinforce Operational Efficiency

Facilities owners and operators are increasingly challenged to maximize operational efficiency while keeping costs down. Integrating cyber-physical systems can measurably promote operational effectiveness that keeps people and property safe. Fully secured infrastructure, reinforced by streamlined facility and industrial control system (ICS) management, promotes peak performance without additional human resources.

Cyber-Physical Security

We define cyber-physical security as the comprehensive cyber-hardening of the networked systems and the critical infrastructure that cross the IT and operational technology (OT) domains. The OT environment is the front-facing edge system that combines cyber components with physical devices to form networks whose operational integrity is critical to human safety. 3eTI specializes in securing the OT zone, ensuring that cyber-threats don’t become physical ones.
OPTIMIZED SECURITY URBAN OPERATIONS

INDUSTRIAL CYBERSECURITY

Industrial control systems are now prime targets for cyber-threats. UltraFacility protects against network vulnerabilities using embedded cybersecurity technology that securely integrates disparate ICS, connecting remote life-support systems such as high voltage power, water and waste, and HVAC. UltraFacility systems meet information assurance (IA) requirements for security.

Benefits
• Proven and accredited systems
• Meets IA operational requirements and mandates
• Saves money and maximizes efficiencies

KEY APPLICATIONS
• SCADA system security
• Industrial endpoint protection
• Industrial firewalls
• Intrusion detection/prevention
• Deep packet inspection (DPI)
• Encryption/authentication
• Virtual private networking (VPN)
• Legacy system protection
• OEM security

PERIMETER MANAGEMENT

UltraFacility controls base access, protecting infrastructure and personnel with automated and manual security, 24/7 – all through conveniently centralized command and control. State-of-the-art automated entry-control systems protect via gate and building access, as well as around the base perimeter.

Benefits
• Reduced manpower
• Round-the-clock security
• No gaps allowed

KEY APPLICATIONS
• Centralized management
• Fixed or mobile video surveillance
• Intelligent video analytics
• Automated access controls

SECURE WIRELESS INTEGRATION

UltraFacility utilizes high-performance and robust wireless-mesh platforms that reliably deliver continuous connectivity and optimal security. UltraFacility enhances decision-making and ICS capabilities. It enables building recommissioning and eliminates redundant manpower by centralizing management and streamlining operational functions.

Benefits
• Seamless integration
• Efficient resource utilization
• Centralized C2 management
• Robust and reliable

KEY APPLICATIONS
• Central command and control
• Wireless mesh networks
• Extended secure communications

Successfully tested and deployed in military, federal and industrial environments requiring high levels of security and accuracy.
UltraFacility offers a complete, proven and robust solution for virtual perimeter security. It safeguards against industrial cyber-threats without hindering operational performance. Using only mature and available technologies, UltraFacility reduces operational costs while maximizing available resources and budget to accommodate growth and new configurations as security, infrastructure and communications requirements change.

- Increases operational efficiencies
- Maximizes resources and budget
- Allows for expansion and adaptability
- Frees operators to focus on strategic facility objectives
- Ensures comprehensive endpoint security

UltraFacility
VirtualFence WiFiProtect CyberFence UltraServices