

OT Security.

Securing Food & Beverage
Industries With
Precision & Fidelity



SCADAfence

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OTD BİLİŞİM
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Food & Beverage Manufacturing's Unique Security Challenges

4.0

Cyber security goes beyond IT security and segmentation of industrial networks, it must also protect the Industrial Control Systems (ICS) that are at the heart of the F&B manufacturing processes. These systems control production quality and recipe execution, like the mixing of ingredients and the temperatures at which beverages are bottled and stored before shipping. Any unauthorized change to an ICS controller – due to a sophisticated cyber-attack or an innocent human error, can result in the production of tainted and unhealthy products, and the price of such an error can be exorbitant. Disposing a production batch due to incorrect ingredient ratios, altered sugar levels or milk temperature, for example, can cost F&B companies millions of dollars. As a result, food safety dictates zero-tolerance for unintended changes to manufacturing processes. In the event of a safety issue, F&B companies have no choice but to shut down the relevant production line until the problem is sorted out. As F&B manufacturers typically operate 24x7 and operate multiple production lines, downtime costs due to an ICS-related cyber incident can be astronomical.

The Need for a Dedicated OT Network Security Solution

Applying IT-oriented security tools in OT networks does not protect the OT networks from OT-specific attack vectors. Utilizing IT security tools in OT might even be as dangerous as “no security”, as they provide a false sense of security. OT networks, equipment and protocols are different from their IT counterparts and therefore, require a different mindset. Planning a robust OT network security architecture requires security solutions that are tailored for their characteristics, and are specifically designed for the high availability nature and the unique traffic patterns of the OT network.

SCADAfence Platform

Real-time Continuous Network Monitoring and Protection for OT Networks

SCADAfence Platform is an industrial network monitoring system that provides cybersecurity and visibility for ICS/SCADA networks. SCADAfence Platform provides automatic asset discovery and inventory management, threat detection and risk management. By employing a wide range of algorithms, machine learning and AI, it detects anomalies and security events that can compromise availability and affect the safety and reliability of the OT network and its assets. SCADAfence Platform is the only solution in the market that is able to support the unique requirements of large scale industrial networks from a size, complexity and coverage perspective, while maintaining an affordable TCO.

SCADAfence Platform is a software-based non-intrusive solution, designed to reduce the risks of:

- Operational downtime and production process manipulation
- Malware and ransomware infection
- External or internal cyber attacks
- Human error, misconfigurations and device malfunction



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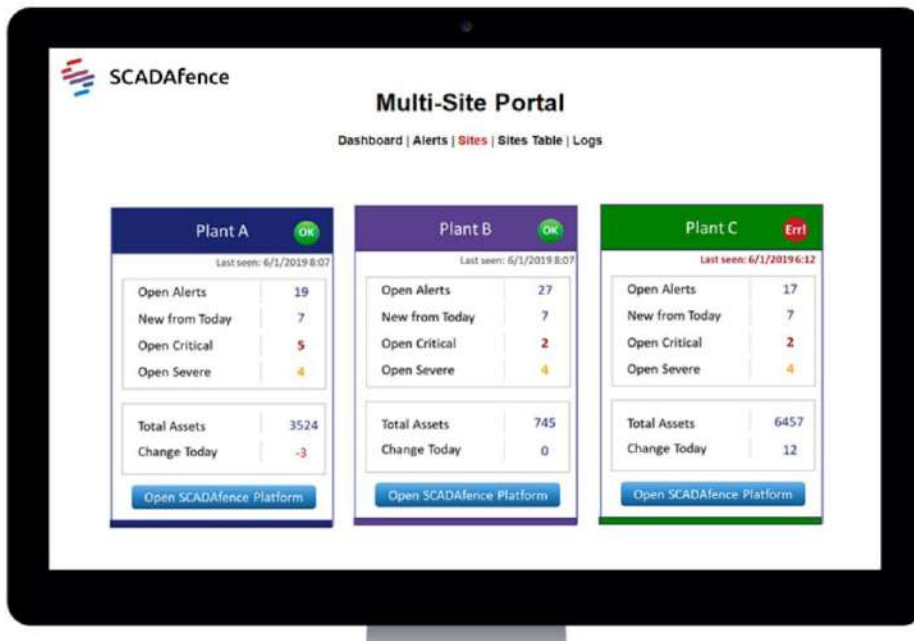
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SCADAfence Platform Offers Superior Protection of OT Networks with Powerful Features that Include:

- Automatic discovery and full visibility and management of OT asset inventory
- Network dashboards for traffic and security health
- Network mapping and connectivity analysis
- Detection of suspicious activities, exposures and malware attacks
- Operational alerts on asset and service availability, and performance issues
- Proactive actionable warnings regarding risks and vulnerabilities in the OT network
- Deep analysis of industrial protocols and industrial equipment activities
- Automated management level reports

SCADAfence Platform seamlessly integrates in existing networks. It completes the firewall and SIEM solutions, by providing monitoring and alerting capabilities. Our platform connects to switches' mirroring ports, and integrates with existing security products and incident handling tools via standard industry interfaces.



SCADAfence excels in Multi-Site Management

Why SCADAfence?



Industry Leading Performance

The only solution to provide full coverage of network traffic monitoring (no sampling, no filtering)



Multi-Site Monitoring

Designed to provide a central view of security status across multiple sites



Seamless Deployment

Automatic learning and tuning



Cost Effective

Efficient deployment with high-performing sensors and low TCO



No Interference With Production Continuity

Non-intrusive solution, can be added to existing running networks



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About SCADAfence

SCADAfence is the global technology leader in OT cyber security. The SCADAfence platform enables organizations with OT networks to embrace the benefits of digital transformation and industrial IoT by reducing cyber-risks and mitigating operational threats. The non-intrusive platform provides full coverage of OT networks, no matter their size, while offering best-in-class detection accuracy, asset discovery and user experience with minimal false-positives. The SCADAfence solution seamlessly integrates OT security within existing security operations, bridging the IT/OT convergence gap. SCADAfence delivers security and visibility to some of the world's most complex OT networks, including the largest manufacturing facility in Europe. SCADAfence enables organizations in manufacturing, building management and critical infrastructures to operate securely, reliably and efficiently as they go through the digital transformation journey. To learn more, go to www.scadafence.com

Partners



FORTINET

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Industries



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Building Management Systems

“OT networks connectivity has become a mandatory business requirement, triggering a shift in the security mindset from “How can I isolate?” to “How can I stay secure while connected?”

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