



SCADAfence

Value-Added Distributor
OTD BİLİŞİM
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Securing the Wind Energy Sector Among Growing OT Threats

Securing the Wind Energy Sector Among Growing OT Threats

As the percentage of wind and other renewable energy systems grows among power generators, cybersecurity for integrated control systems has become an increasingly important and urgent matter. The wind energy sector's information technology (IT) and operational technology (OT) systems are being increasingly under attack and it is time for the sector to secure its systems against cyber criminal attacks.

Due to the digitization of infrastructures and the increasing adoption of IIoT sensors such as temperature, torque, vibration, wiring and housing integrity the traditional IT/OT operational hierarchy is converging. This approach for the wind energy sector creates more security risks since conventional cybersecurity methods and mainstream IT products do not necessarily translate to ICS environments.

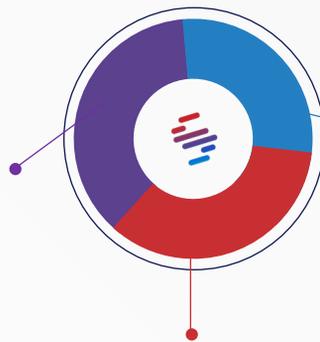
Additionally, the wind energy industry's threat landscape has expanded and their critical infrastructures are extremely vulnerable to ransomware, malware and other cyber attacks. The different executed attacks on critical infrastructure and OT environments can disrupt and deteriorate power systems in various aspects, such as wind plant system stability, energy market operations, and grid reliability.

While wind energy organizations are investing and upgrading their electric grid infrastructures they need to increase the security to ensure safe, consistent, and uninterrupted operation of wind facilities. By anticipating cyber threats and vulnerabilities, organizations can defend and protect IT & OT assets from both internal and external threats.

That is why it's essential for the wind and energy sector to increase their visibility into their OT/ICS networks in order to continuously and passively monitor these devices against threats without disrupting critical business processes.

The Need For a Full-Stack OT & IoT Network Security Solution

Complete coverage of wind energy systems must include continuous monitoring of the industrial network, continuous measuring of governance & compliance, as well as coverage extending to IoT devices and machinery.



Best-in-Class OT Security

Industry Leading Accuracy

Micro-granular adaptive baselining delivers highest detection rate with the lowest false positive rate.

Immediate Time to Value

With flexible deployment options and minimal configuration the platform provides immediate value, with nominal set up time.

Simplicity by Design

Companies of all sizes benefit from a simple user experience, allowing smaller teams to do more things with less resources.

Robust Governance Capabilities

Broadest Coverage

Covering IEC 62443, NERC CIP, NIST and others of remote sites right "out of the box."

Centralized Policy Compliance

Centralized management of remote sites eliminates need for travel and onsite audits.

Complete IoT Coverage

Patented IoT Capabilities

Patented IoT configuration orchestration unifying 100s of management systems into a single platform.

Unified Policy Enforcement

Performs batch operations to ensure policy enforcement across all IoT devices.

Compromised Device Detection

Analyzes IoT data to extract security insights to enable threat detection and vulnerability management.

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The SCADAFence Platform

Powerful OT Security for the Wind Energy Industry

The SCADAFence Platform is an industrial cybersecurity solution that provides visibility and monitoring for wind energy systems's SCADA, OT & IoT networks. The platform automates asset discovery and inventory management, as well as threat detection and risk management. By employing a wide range of algorithms, machine learning and AI, the platform passively detects anomalies and security events that can compromise availability and affect the safety and reliability of wind energy SCADA networks, and their critical assets like the SCADA systems of wind plants. The SCADAFence Platform is an award winning solution that has the highest detection rates and the lowest false positive rates in the industry, while maintaining an affordable total cost of ownership (TCO) for all users.

The Added Benefits of the SCADAFence Platform:

Full Visibility - Get visibility into your OT & IoT networks, like turning on the light in a dark room. This helps your organization see all of your devices and how they communicate, while exposing potential attack vectors while improving your network security hygiene.

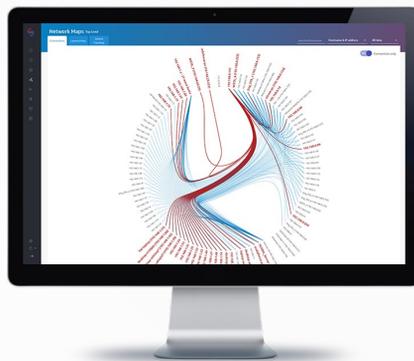
Automated Asset Management - Get an automated, accurate, asset management service in real-time, which doesn't interfere with your organization's day-to-day processes and operations.

Threat Detection in Real-Time - Passively detect indicators of compromise in real-time, and get early indications of an attack throughout the cyber kill chain.

Immediate Response - Respond immediately to threats by seamlessly integrating with existing security controls and SecOps procedures.

Risk Reduction - Immediately reduce your risk, without changing your existing network or infrastructure.

Remote Access Security – Get full visibility into remote access connections. Track and detect user activities that are out of the user's profile or are malicious in nature.



The SCADAFence Platform's Network Map

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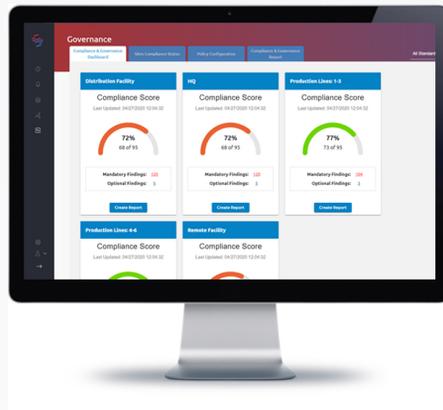


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The SCADAFence Governance Portal

IT/OT Governance Done Right for the Wind Energy Industry

The SCADAFence Governance Portal measures compliance and monitors the progress made over time across all sites. It identifies all of the gaps and bottlenecks and allows users to generate systematic strategies to improve their organizational security at scale. The portal enables the IT and OT departments to centrally define and monitor the organizational adherence to organizational policies and to OT related regulations. The solution is easily deployed, is not intrusive, and does not jeopardize the process availability in any of the wind energy sites.



The SCADAFence Governance Portal's Central Dashboard

SCADAFence IoT Security

Extending Coverage into the Wind Energy Industry's IoT Devices & Machinery

SCADAFence offers a unique solution to address the wind energy industry's IoT security challenges with an innovative, centralized platform for IoT endpoint orchestration and management. You don't have to deal with hundreds of malfunctioning or quarantined IoT devices, you can manage and fix any security issues on your IoT devices with a single click. You can also proactively detect exposures to your IoT devices, even before your IoT devices can be compromised. The solution performs central orchestration, and is agentless. The solution saves you time, while keeping your workers safe and productive.

Why Do Our Customers Love Us?



Best security coverage: 100% inspection, adaptive, device based baseline.



Lowest false positives in the industry



Lowest TCO for large distributed deployments



Quickest deployment time, no tuning and baseline restarts, no baseline downtime!



Track (remote) user activity with no additional add-ons



Centrally manage governance of remote sites (IEC 62443, NERC CIP, NIST and others)



Highly customizable: Maps, models, standards and policies, asset DB – for enterprise scenarios



The most advanced IoT support with policy enforcement and central configuration management

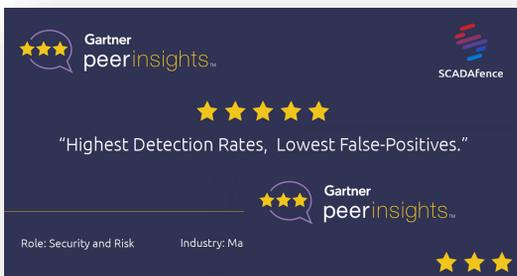
“SCADAfence enhances our ability to continue and adopt Smart City technologies, and will allow us to operate securely as we digitalize our OT infrastructure.”

Akira Sugawara, Mitsui Fudosan



“With SCADAfence, we feel secure while we bring our production environment into the Industrial IoT era.”

*Itzik Baruch, VP Technical Services,
Taro Pharmaceuticals*



SCADAfence Has the Highest Customer Satisfaction Rating in Gartner’s Peer Insights Review Platform



Award Winning

In the last two years, SCADAfence has won multiple industry awards, including Gartner's Cool Vendor, Frost & Sullivan's Entrepreneurial Company of the Year, and many other awards for ICS/SCADA Security, Compliance & Critical Infrastructure Protection.



Industry Awards

	Highest detection rates & lowest false positives – <i>Gartner 2020</i>
	Entrepreneurial Company of the Year – <i>Frost & Sullivan 2021</i>
	Market Leader in Cybersecurity for Manufacturing – <i>ISG 2020</i>
	Best SCADA Security Solution – <i>SC Magazine 2021</i>



ICS/SCADA Security Market Leader



Security Governance, Risk and Compliance (GRC) Market Leader



Internet of Things (IoT) Hot Company



COMPLIANCE & RISK MANAGEMENT SOLUTION PROVIDER OF THE YEAR



SCADAfence
Next Gen
Critical Infrastructure Protection



SCADAfence
Cutting Edge
Compliance



SCADAfence
Cutting Edge
ICS/SCADA Security



TSR



About SCADAfence

SCADAfence is the global technology leader in OT & IoT cyber security. The SCADAfence platform enables organizations with complex OT networks to embrace the benefits of industrial IoT by reducing cyber risks and mitigating operational threats. The non-intrusive platform provides full coverage of large-scale networks, offering best-in-class detection accuracy, asset discovery and governance with minimal false-positives. A Gartner “Cool Vendor” in 2020, SCADAfence delivers proactive 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 infrastructure industries to operate securely, reliably and efficiently. To learn more, visit our [website](#), check out our [blog](#), or follow us on [LinkedIn](#).

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