# SCADAfence

OT Security
For Oil & Gas

Securing The Oil & Gas
Industry With Precision & Fidelity

Unique Security Challenges for Oil & Gas Organizations

Originally, systems that linked oilfield process equipment and control systems were physically isolated from IT networks. The evolution of technology and the benefits of data collection & analysis mean that in our times, almost everything is connected to the internet. Oil & gas processes are increasingly digitalized – leaving oil & gas companies exposed to network-related vulnerabilities. The consequences of a cyber-attack can be financial and reputational. If production is stopped, income is lost. Partners and suppliers may also lose confidence in an oil & gas company's operational stability, which can make it more difficult to negotiate new deals. Depending on lease agreements and contracts, there might even be penalties if the flow of oil and gas from a well or lease is interrupted. Since there are rising efforts to breach these systems, oil and gas producers need to recognize the scale of current risk and take a proactive approach to protect their systems. Moves to cut costs due to lower oil prices have hurried the adoption of internet of things (IoT) technology – yet many IoT devices lack suitable security measures. To keep the oil and gas flowing, oil & gas companies need to step up their cyber defense strategy.

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

Complete coverage of an industrial Oil & Gas network must include continuous monitoring of the industrial network, continuous measuring of governance & compliance, as well as coverage extending to IoT devices and machinery.
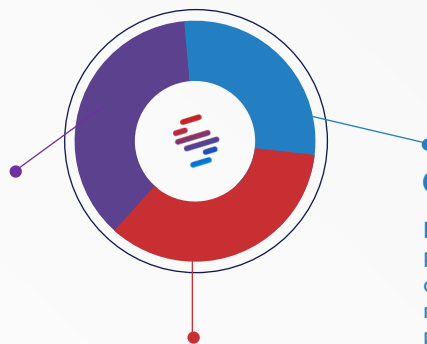
Best-in-Class OT Security

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.

The SCADAfence Platform
Powerful OT Security for the Oil & Gas Industry

The SCADAfence Platform is an industrial cybersecurity solution that provides visibility and monitoring for the Oil & Gas industry's 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 detects anomalies and security events that can compromise availability and affect the safety and reliability of the OT network and its assets. 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.
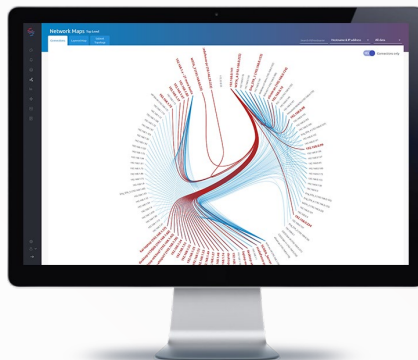
Automated Asset Management - Get an automated, accurate, asset management service in real-time, which doesn't interfere with your organization's day-to-day processes and operations.

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 Platforum's Network Map

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The SCADAfence Governance Portal
IT/OT Governance Done Right for the Oil & Gas 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 platform 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 Oil & Gas sites.

The SCADAfence Governance Portal's Central Dashboard

SCADAfence IoT Security
Extending Coverage into the Oil & Gas industry's IoT Devices & Machinery

SCADAfence offers a unique solution to address the Oil & Gas 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.

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SCADAfence

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 Has the Highest Customer Satisfaction Rating in Gartner's Peer Insights Review Platform
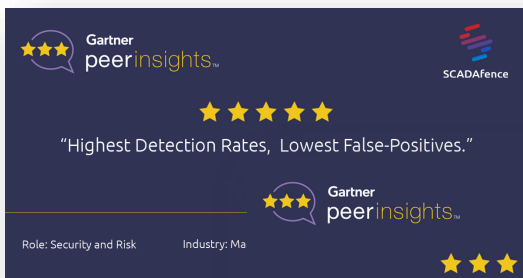
Gartner peerinsights™

"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

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

TARO

Award Winning

In 2020 alone, SCADAfence has won multiple industry awards, including Gartner Cool Vendor and awards for ICS/SCADA Security, Compliance & Critical Infrastructure Protection.

About SCADAfence

SCADAfence is the global technology leader in OT & IoT cybersecurity. SCADAfence offers a full suite of industrial cybersecurity products that provides full coverage of large-scale networks, offering best-in-class network monitoring, asset discovery, governance, remote access, and IoT device security. 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 critical infrastructure, manufacturing, and building management industries to operate securely, reliably, and efficiently. To learn more, go to www.scadafence.com

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