

Phosphorus[®]



BROCHURE

Phosphorus Enterprise **x**IoT Security Platform

Empowering enterprises to go beyond
discovery to full **x**IoT visibility and remediation.

OVERVIEW

Company Overview

The Phosphorus Enterprise xIoT Security Platform provides the industry's first and only xIoT attack surface management solution. It fully automates the remediation of the biggest xIoT device vulnerabilities – spanning IoT, OT, and network devices – including unknown and inaccurate xIoT asset inventory, default device credentials, out-of-date device firmware, and out-of-date certificates.

It's uniquely designed to safely communicate with enterprise xIoT devices—giving you full visibility into what is on your network and then identifying every device down to the make, model, firmware version, and whether the device is still supported. The software-based and agentless platform goes beyond discovery to automatically remediate and monitor vulnerabilities to dramatically diminish the xIoT attack surface, while preventing devices from being used to launch network attacks.

Key Benefits



FIND

Safely Identify and assess all xIoT devices, while integrating with 3rd party asset discovery tools.



FIX

Automatically remediate xIoT device vulnerabilities, including credentials, firmware, and certificates, with One-Click.



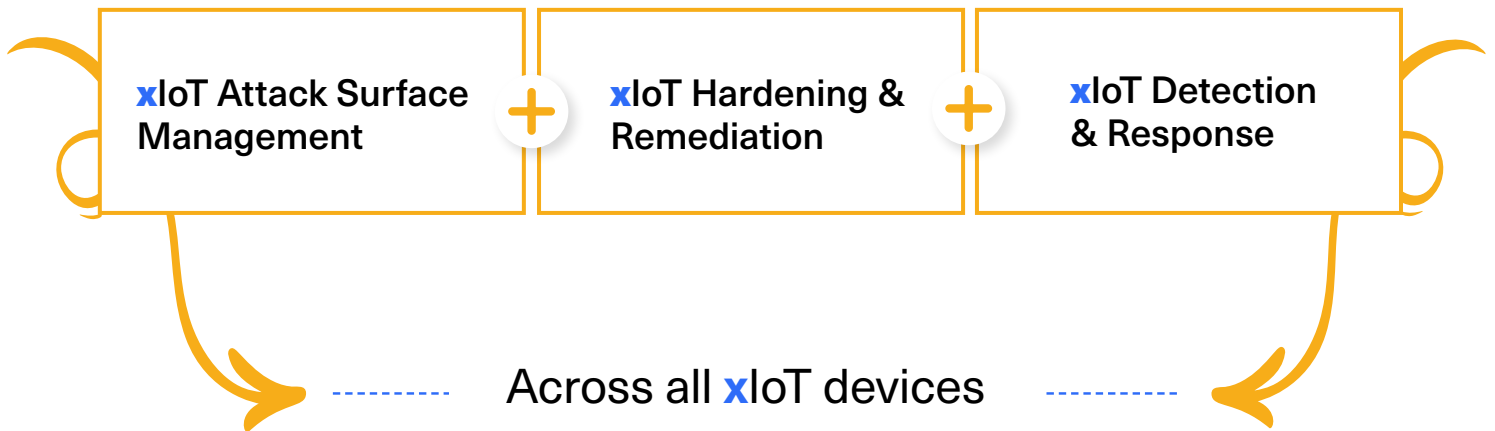
MONITOR

Securely maintain and monitor all xIoT devices, while detecting and responding to internal threats and drift.



Enterprise xIoT security for the xTended Security of Things™

More Things means more vulnerabilities. See how Phosphorus can bring enterprise xIoT security to every cyber-physical Thing in your enterprise.



Enterprise IoT Devices



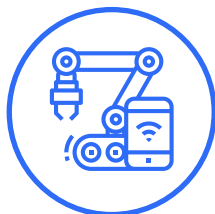
Operational Technology Devices



Smart Buildings & Cities



Network & Cloud Connected Devices



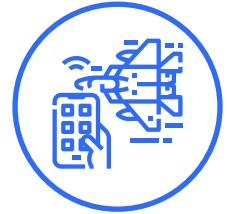
Industrial Internet of Things



Internet of Healthcare Things



Smart Ships



Internet of Battlefield Things

How does Phosphorus work?

Phosphorus has developed the industry's only xIoT discovery and remediation platform for securing the rapidly growing enterprise IoT, OT, and network device landscape often overlooked by conventional cybersecurity. The software integrates seamlessly with existing network systems and includes three main patented functionalities:

1 Discover & Identify xIoT devices

Discover natively or through integration.



- Find xIoT devices through integration with your existing asset visibility security solutions.
- Or find and identify all xIoT devices through our native on-premise or cloud-based solution.

2 Assess and show risks

Across credentials, firmware, and certificates.



- Assess all xIoT devices in your network and show you which devices are using default or weak credentials.
- Assess all xIoT devices and show which devices have outdated/vulnerable firmware and certificates.

3 Remediate automatically

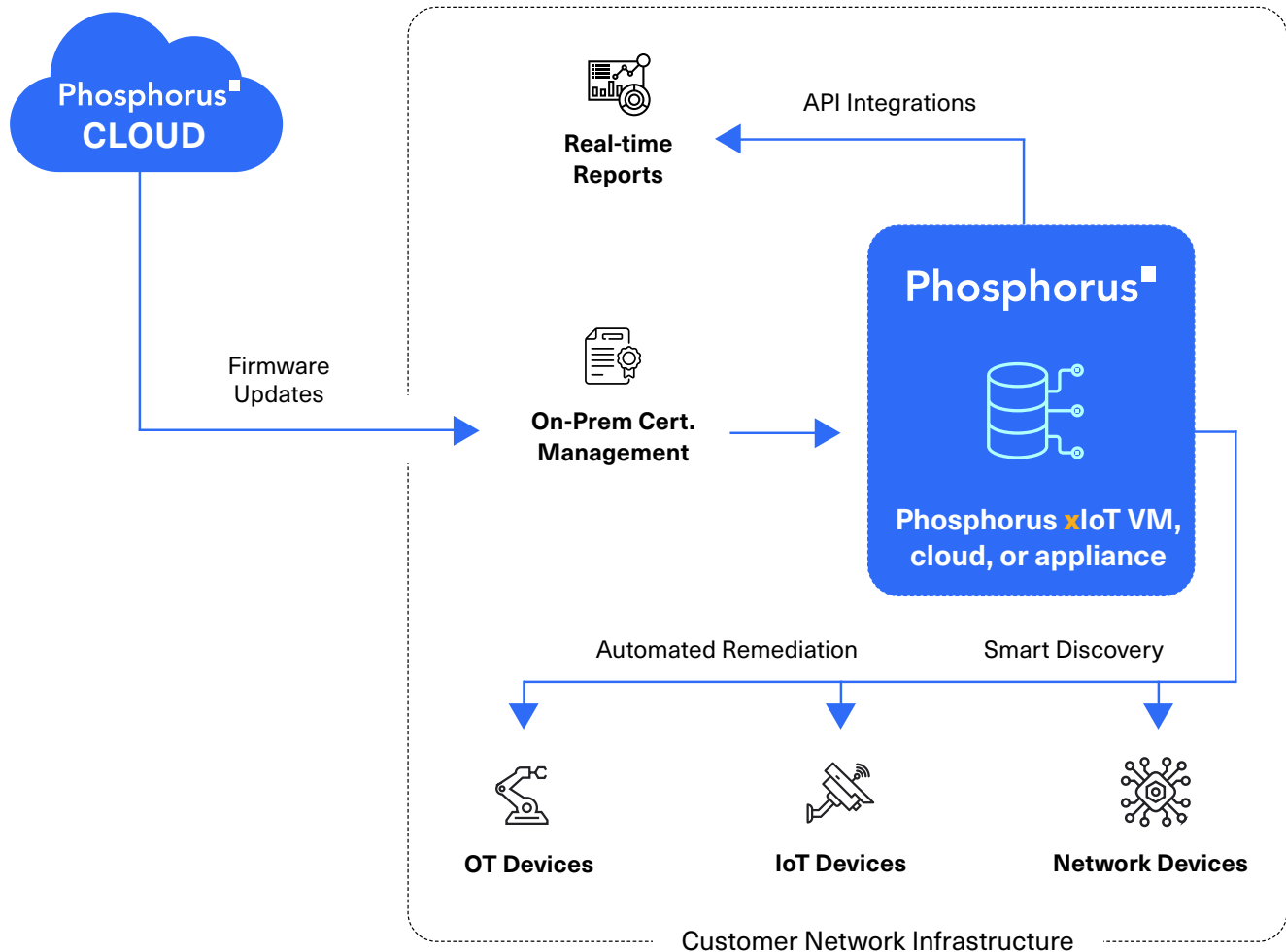
All vulnerabilities with One-Click.



- Phosphorus enables you to update and rotate xIoT device credentials, at scale, with just one click.
- Phosphorus enables you to update xIoT device firmware and certificates, at scale.

Phosphorus xIoT Security: Deployment

The Phosphorus Enterprise xIoT Security Platform deploys easily onsite or within a customer's private cloud.



INTEGRATIONS

Enterprise Integrations

Privileged Access
Management (PAM)

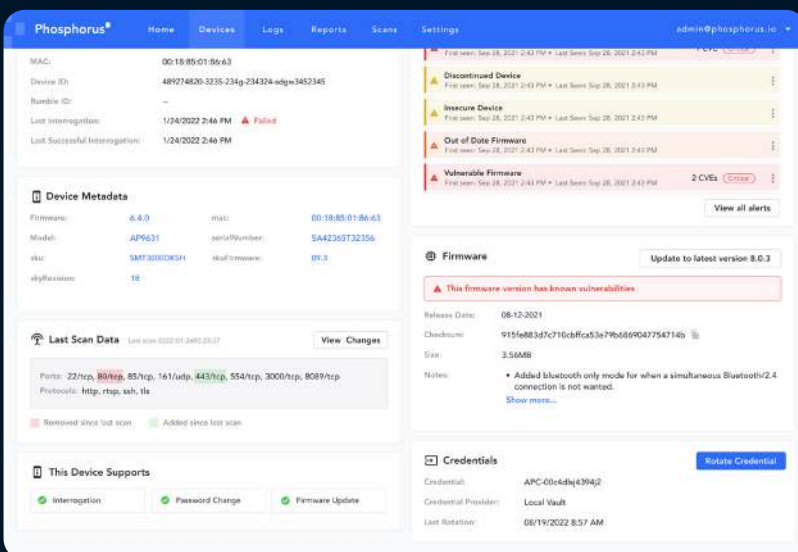
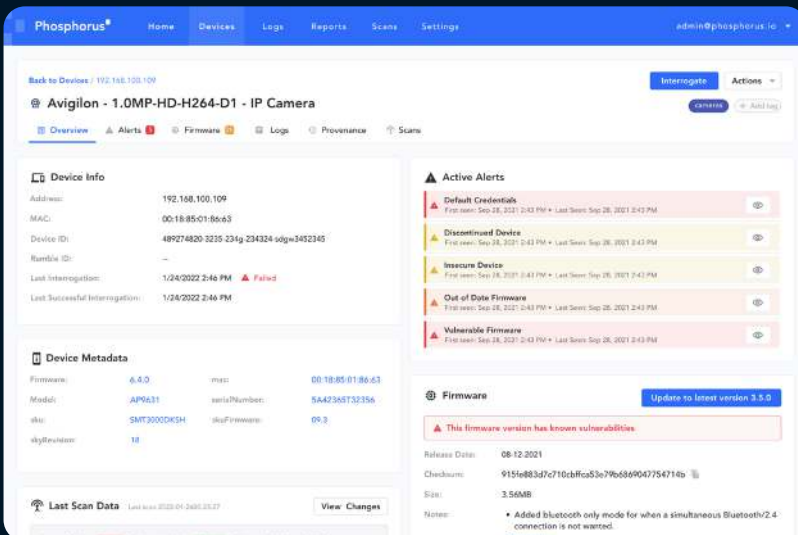
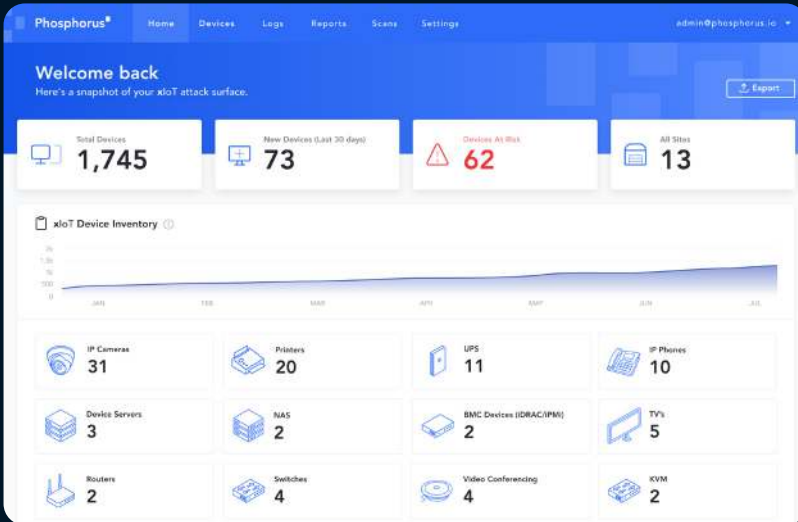
Log Management /
SIEM / SOAR

Network Anomaly
Detection and
Behavior Analysis

Asset Management &
Ticketing Systems

FEATURES

Key Features



Asset Discovery

See every xIoT device.

- » Complete asset inventory of all connected xIoT devices
- » Designed specifically to communicate with, and detect, every xIoT device
- » High-fidelity xIoT device data – down to the make, model, and software version
- » Critical visibility for managing and securing your xIoT attack surface.

Posture Assessment

Point-in-time xIoT device posture view.

- » In-depth security posture assessment on every discovered xIoT device
- » Identifies issues like default device credentials, out-of-date device firmware, and out-of-date certificates
- » Identifies all known vulnerabilities and critical CVEs
- » Powered by our extensible high-fidelity xIoT device intelligence

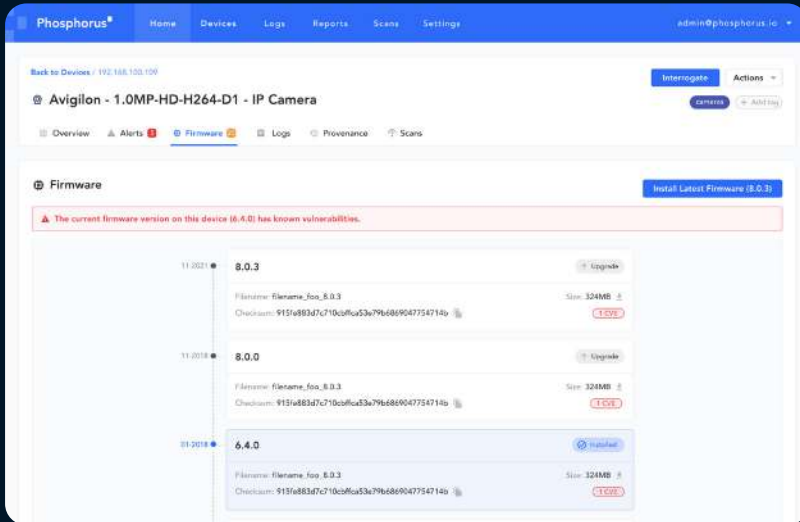
Credential Hardening

Seamless password management.

- » One-Click proactive and automated credential hardening
- » Automated password rotation and Privileged Access Management (PAM) enrollment
- » Automated device certificate validation, hardening, and management
- » Integrated with leading PAM solutions including CyberArk

FEATURES CONT.

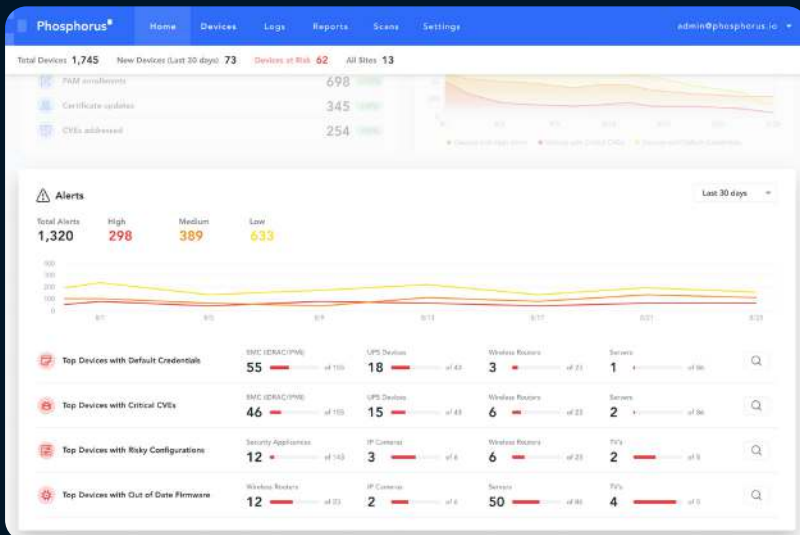
Key Features Cont.



Remediation & Patch Management

Agentless remediation.

- » Safely and gently update firmware with One-Click
- » Proactively remediate risky xIoT device configurations and perform certificate updates
- » Automatically upgrade and downgrade firmware at scale
- » Flexible and compatible with your unique policies and requirements



Detection & Response

xIoT monitoring & threat disruption.

- » Ongoing xIoT hardening of extraneous device services and protocols
- » Continuous monitoring of your xIoT attack surface
- » Real-time detection, alerting, & reporting on device configuration drift
- » Protection against internal threats and shadow IT



WHY PHOSPHORUS?

Why Phosphorus is **unique?**

Legacy approach

Dangerous, brute force scanning

Works to discover & identify devices via dangerous scanning.

Assumption-based analysis

Often results in lower confidence, and more limited device ID.

Infrastructure dependencies

SPANs, TAPs, & VLANs—requiring big network switching investments.

Unscalable manual effort

Slow, error-prone, costly, and manual.

No remediation

Asset discovery and risk identification, but no remediation.

Phosphorus[■]

xIoT Security for the Enterprise

Our approach

Safe, native communication

No scans. Only safe interaction and integration using native device protocols.

Evidence-based analysis

99% = 0%. 100% certainty, across all device genus and species—including new device types.

No Infrastructure or agents

Software-based and agentless. Can be deployed on-prem or in the cloud.

Automated and scalable

Safe, fast, accurate, and cost-effective. Scalable for largest enterprise environments.

Full remediation

Goes beyond discovery to full risk remediation for credentials, firmware & certificates.

Phosphorus¹



Find Every Thing. Fix Every Thing.

Phosphorus Cybersecurity[®]

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Nashville, TN

Phosphorus Cybersecurity[®] is the leading xTended Security of Things[™] platform designed to secure the rapidly growing and often unmonitored Things of the enterprise xIoT landscape. Our Enterprise xIoT Security Platform fully automates the remediation of the biggest IoT, OT, and network device vulnerabilities—including unknown and inaccurate asset inventory, out-of-date device firmware, default device credentials, out-of-date certificates, and risky device configurations.

Learn more at
www.phosphorus.io

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