GATE SCANNER
by Sasa Software
Case Study

CRITICAL INFRASTRUCTURE

The Challenge

Critical infrastructures are under constant threats from State and non-State actors attempting to undermine their operations with increased exposure due to limitations in deploying traditional Cyber security technologies on critical appliances (SCADA, ICS, PLCs). Despite the risks, the organizations must securely transfer files into OT networks, including software/firmware updates and productivity documents. Critical organizations must comply with regulatory requirements, such as NERC CIP-003-7 for processing of portable media.

The Technology

GateScanner® Content Disarm and Reconstruction (CDR) ensures security by treating every file transferred into the OT network as suspicious, performing deep threat scans and restructuring, transforming files into a safe and neutralized copy. GateScanner® prevents advanced undetectable malicious code attacks, including APTs and ransomware while maintaining full file fidelity, visibility, and usability.

Customer Profile

A Multi-National manufacturer of fertilizers, metals and special usage chemicals. The company operates over 195 offices globally, with sites in the Americas, Europe, Oceana, and the Middle East. Traded on the NYSE and TASE company has over 10,000 employees, with revenues exceeding $5b.

The Need

The company's manufacturing networks, at international sites, must be protected from advanced file-based cyber threats. The company required a highly secure, reliable and efficient method to introduce files into their air-gapped networks.

Proven Technology

Founded in 2013, Sasa Software successfully protects governmental agencies, defense contractors, financial institutions, public utilities and healthcare enterprises.

Independent tests demonstrate GateScanner® prevents up to 99.9% of undetectable threats*

Industry Recognitions

Gartner
COOL VENDOR
2020

Awards

INFOSEC AWARDS
WINNER
CYBER DEFENSE MAGAZINE
2020

FROST & SULLIVAN
2017 BEST PRACTICES AWARD
ASIA PACIFIC
INDUSTRIAL CONTROL SYSTEMS SECURITY
VENDOR OF THE YEAR

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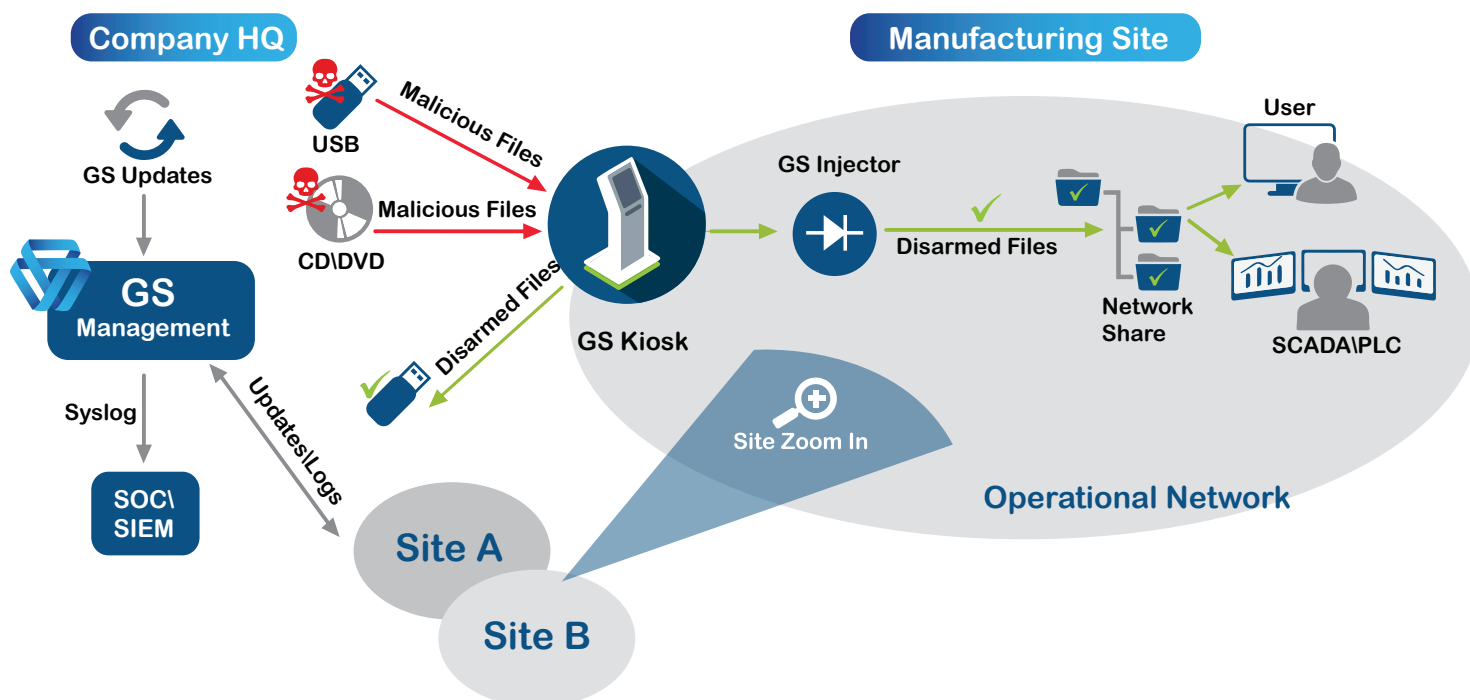contact@sasa-apac.com
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The Solution

Geographically distributed, centrally managed GateScanner® kiosks, together with GateScanner® Injectors for unidirectional file transfers into the air-gapped networks. Kiosks are deployed at the company's international manufacturing sites and managed at the Israeli HQ.

GATESCANNER
Kiosk

GATESCANNER
Injector

Workflow

✓ Users select files from detachable media at a GateScanner® Kiosk.
✓ Files are copied into the kiosk and undergo deep scans for known threats with multiple True Type Engines and Multiple AV engines. Malicious and suspicious files are blocked.
✓ Files undergo additional disarming according to a designated policy.
✓ The disarmed files are transferred uni-directionally into the operational network via GS Injector.
✓ Files are saved to a network share, or to the user's home drive.
✓ The user received a notification once the scan has completed.
✓ Kiosks are centrally managed at the company's HQ with logs sent to their SIEM.

Company HQ

GS Updates

GS Management

Syslog

SOC\ SIEM

USB — Malicious Files

CD\DVD — Malicious Files

Disarmed Files

GS Kiosk

Updates\Logs

Site A

Site B

Site Zoom In

Manufacturing Site

GS Injector

Disarmed Files

Network Share

User

SCADA\PLC

Operational Network

Results

✓ GateScanner® provides enhanced protection against known threats, and dramatically reduces exposure to sophisticated and targeted cyber-attacks by disarming files.
✓ The customer can now securely and safely introduce external files into their operational networks.
✓ The solution is easily managed, receiving centralized daily updates, with centralized auditing of activities.

*Specification and features subject to change without prior notice.
Scanning performance varies according to scanning profiles, files size/structure, and hardware used.
Security results depend on scanning profile used.

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