CORPORATE OVERVIEW

Radiflow: Cyber-Security Solutions for the Industrial IoT

COMPREHENSIVE YET SIMPLE SECURITY SOLUTIONS TO PROTECT YOUR CRITICAL ASSETS

Supervisory Control and Data Acquisition (SCADA) systems, used for controlling and monitoring remote operations in critical infrastructures such as power utilities, oil & gas, water and more, often extend across multiple remote sites, allowing automation devices to be controlled from the control center.

Cyber threats to SCADA systems have in recent years been on the rise. Terrorists and criminals have set their sights on critical infrastructures that utilize SCADA systems due to these systems' inherent vulnerabilities and the huge potential to disrupt civilian life and may cause high financial losses to the utilities.

Radiflow's security tool-set validates the behavior of both M2M applications and H2M (Human to Machine) sessions in distributed operational networks.

Radiflow's security solutions are available both as in-line gateways for remote sites and as a non-intrusive IDS (Intrusion Detection System) that can be deployed per site or at a central location.

WHY RADIFLOW?

OT SECURITY EXPERTISE

- Policy & Asset management using ICS/SCADA DPI
- Smart collector for distributed industrial networks
- Business-driven risk scoring for OT networks

END TO END SOLUTION

- OT-dedicated Detection & Prevention tools
- Assessment & Monitoring Services for full life-cycle
- Scalable 3-tier Architecture

MATURITY

- Over 80 end-customer deployments worldwide
- Over 3,000 sites protected using our solutions
- Validated by external labs

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INDUSTRIAL CYBER-SECURITY SOLUTIONS

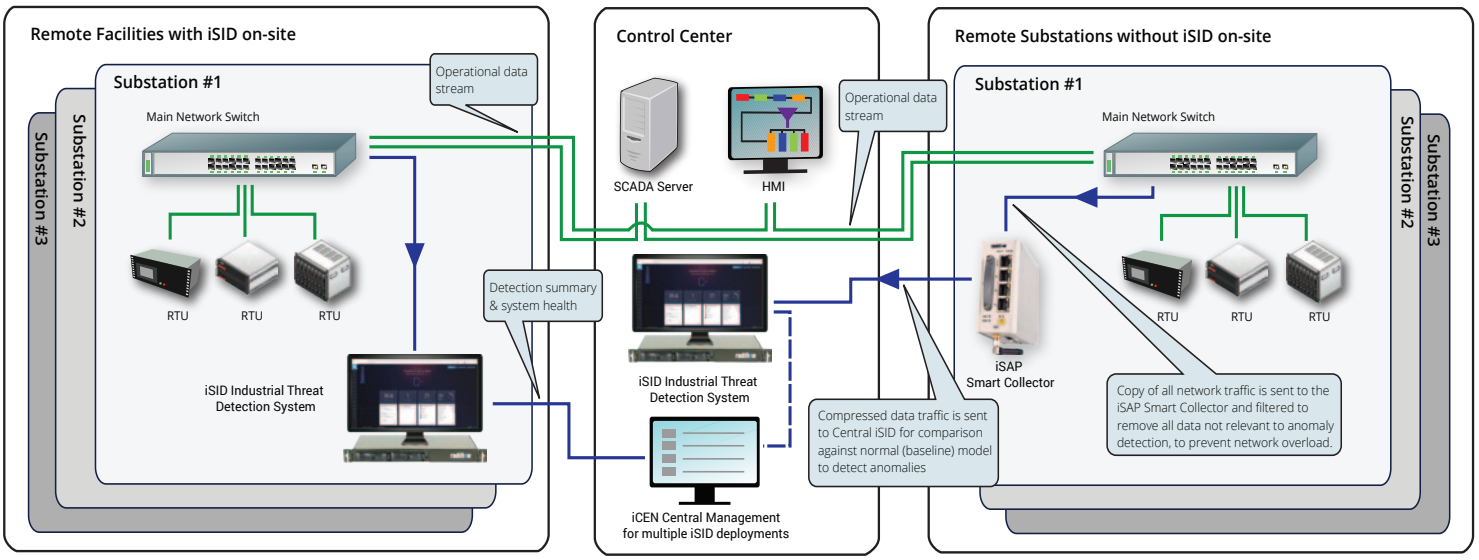
ISID INTRUSION DETECTION SYSTEM **(IDS)**

- Network visibility: highlight new entities based on self-learning of the SCADA network through passive scanning.
- Asset Management: automatic mapping of all industrial assets and their inventory information, and alerts on parameter change attempts.
- Signature-based detection: detection of known attacks, PLC vulnerabilities and known protocol vulnerabilities.
- Policy Monitoring: unique DPI firewall rules on every link, as well as dynamic firewall rules that apply to specific times.
- Anomaly detection: detect abnormal activity on the network compared to the normal device fingerprint.
- Event notifications via multiple reporting methods (GUI, Syslog and DNP3) to fit into various security and operational organizations.
- Smart probe: optimize the monitoring of distributed sites by a central iSID server using unique smart-probes at remote sites.

SECURE GATEWAY

- Authentication Proxy Access (APA) authenticates users and provides them with preconfigured task-based access.
- Detailed log of all user activity within each remote access session for compliance and audit.
- Validation of each user's SCADA behavior using a per-port Deep Packet Inspection (DPI) firewall.
- IPsec VPN for secure inter-site connectivity between substations and EMS/DMS control centers.
- Ethernet and Serial interfaces for connecting modern and legacy devices over wire and cellular.
- Ruggedized appliances compliant to IEC 61850-3/IEEE 1613 requirements for operation in harsh environments.

DEPLOYMENT



About Radiflow

Radiflow is a leading provider of industrial cyber security solutions for critical business operations. Our comprehensive portfolio of cybersecurity solutions empowers critical infrastructure and industrial enterprises to maintain visibility, control and security of their operational environment. Our intelligent threat management for Industrial cybersecurity minimizes potential business interruption and loss within your OT environment.

The Radiflow team consists of professionals from diverse backgrounds, from veterans of military cyber and communications units to former employees of leading players in the industry. Founded in 2009, Radiflow' first solutions were launched in late 2011, validated by leading research labs and successfully deployed by major utilities worldwide. More at www.radiflow.com.

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