Shield-IoT

SOLUTION BRIEF

Secure Your SIM-Based IoT Networks

Monitor and secure any cellular SIM-based connected device across any IoT/IIoT application at any scale.

The increased adoption of connected IoT devices has led to an escalating threat from attacks such as DDoS, man-in-the-middle, data theft and unknown malware. Hackers can easily attack vulnerable infrastructure and infiltrate an enterprise network via devices exposed in the field to steal or manipulate data, damage device operations and even take down critical services.

Solution Highlights

Shield-IoT delivers the world's first coreset-AI anomaly detection SaaS solution to detect the first signs of unknown cyber attacks before any damage can take place.

Any Device and Application
Protect any IoT device, application or network with a centralized, agent-less, context-free anomaly detection solution

Real-Time Threat Prevention
Automatically mitigate any threats with real-time accurate event detection combined with rich actionable alerts

Unlimited Scalability
Secure millions of connected devices with patented technology enabling accurate analytics at mass scale

How It Works

Shield-IoT analyzes device-to-cloud traffic statistics, mirrored from the network via the Telco/MVNO connectivity provider. Detected security events and operational anomalies are displayed on a multi-tenant dashboard and/or accessible to third party systems via API.

Network Traffic Statistics

Shield-IoT
SaaS Dashboard

Connectivity Provider
3G | 4G | 5G

Operational Payload

IoT Network Devices

Enterprise,
IoT Solution Provider
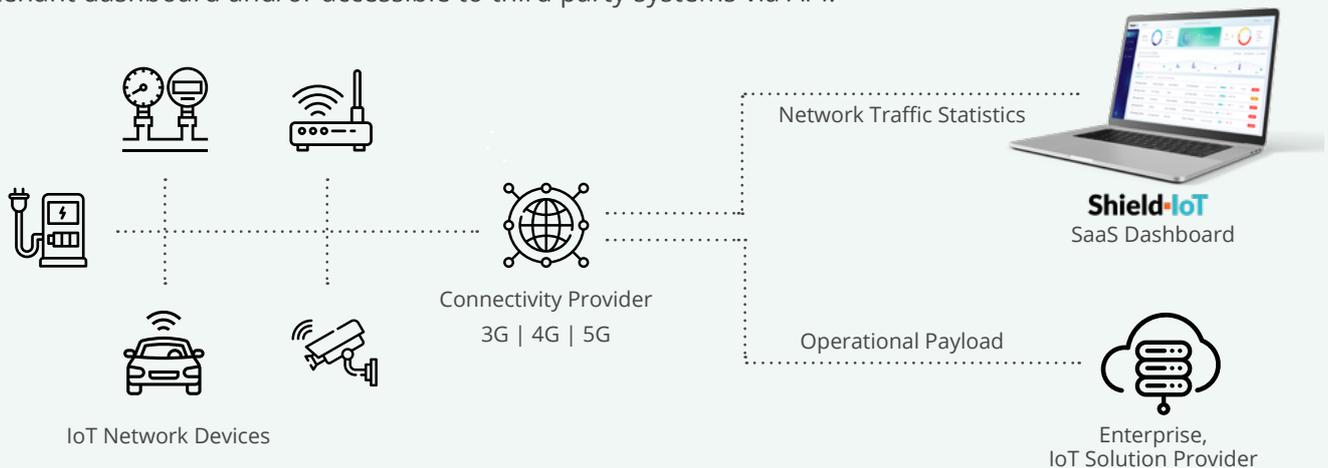
Customer Benefits

- **Secure IoT/IIoT Networks:** Prevent service impact or downtime with early detection of security events.

- **Seamless Deployment:** Easily subscribe to the service with no need for any network changes or dedicated resources.

- **Zero Business Risk:** Ensure no impact on existing operations with out-of-band SaaS solution.

- **Future-Proof:** Built to protect evolving IoT networks with always-up-do-date machine learning capabilities.

Typical Use Cases

Shield-IoT solution is suitable for deployment across a wide range of IoT security use cases.
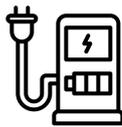
EV Charging Stations
Vulnerable to PII and financial data theft, electricity fraud, or even grid-to-car and grid-level attack
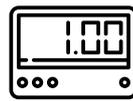
Smart Meters
Exposed to remote attacks and physical tampering, resulting in data falsification, fraud, and attacks on the control center

CCTV Cameras
Hacked cameras may violate privacy, expose sensitive information, or be used to hack the enterprise

Public Transport
Unsecure devices on buses and trains such as gateways, cameras and access control sensors can cause serious safety threats

Air, Land and Sea Ports
Protect multiple IoT applications and countless devices against any attacks that can impact device data, operation or services

Shield-IoT

Shield-IoT is an IoT cyber security software solution provider, enabling enterprises and solution providers to monitor and secure mass-scale B2B IoT/IIoT networks, reduce operational costs and generate new revenue streams. Based on over 15 years of academic research (MIT) and 80 academic papers, Shield-IoT patented technology delivers the world's first coreset-AI anomaly detection solution to enable accurate analytics at mass scale

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Contact Us

For more information about Shield-IoT solutions and services, visit our website at:

www.shieldiot.io

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