

## SOLUTION BRIEF

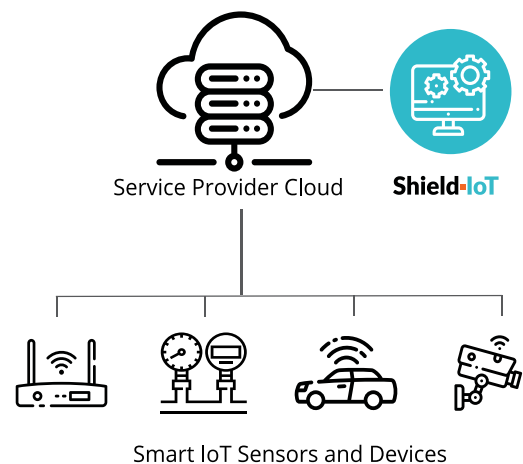
# IoT Monitoring and Cyber Security Solutions for Telcos, MVNOs and IoT Service Providers

Shield-IoT enables telecom and IoT service providers to leverage the power of fast-growing IoT and 5G technologies. Our AI-driven security and monitoring software platform is built to scale for any volume of data or network size, across any IoT device or application. Shield-IoT enables Telcos, MVNOs and IoT Service Providers to create new revenue streams and ensure ongoing service and operational continuity.

## Security Value-added Services

IoT service providers can extend conventional SIM connectivity services by offering new IoT/IIoT cyber security and operational monitoring services. Shield-IoT value-added service include:

- Detect unknown cyber-attack and operational events.
- Protect any type of network 5G, 4G, 3G, LoRa, NB-IoT.
- Enable automatic threat prevention and mitigation.
- Simple, single deployment with no network changes.
- Unlimited scalability to support millions of devices
- Suitable for deployment in any industry including transportation, cities, energy and Industry 4.0.



*"The IoT connectivity services market is expected to exceed \$50 Bn by 2025, with security estimated at \$10 Bn".*

**Gartner**

**Source**

"Internet of Things, Endpoints and Communications Worldwide, 2019-2029"  
Gartner, 2020.

# Solution Highlights

The Shield-IoT anomaly detection software platform analyzes device-to-cloud communications to detect the first signs of unknown cyber attacks and operational events. Shield-IoT is purpose-built to support the widest range of IoT use cases offering security value-add services, infrastructure and remote site monitoring and 5G network security.



## Mass-Scale IoT Networks

Unlimited scalability across mass volumes of data for any number of devices.



## IoT Operational Monitoring

Utilize predictive analytics to detect abnormal usage, faults and operational anomalies.



## Any IoT Device and Application

Context-free analysis and detection for any IoT device, application or network.



## Real-Time Actionable Alerts

Enable SOC/NOC teams to mitigate detected events with ease and reduced cost.



## Cyber Security Protection

Accurately detect the first signs of unknown cyber attacks to protect devices, data and infrastructure.



## Coreset-AI Engine

Based on patented coreset data compression technology (MIT) enabling AI/ML accurate analytics at mass scale.

## Simple to Deploy, Easy to Use

The Shield-IoT solution ensures quick time to market based on a simple one-time cloud configuration requiring no network changes. Shield-IoT is suitable for use in any end customer IoT/IloT network or operational use case.

- **Deploy on Any Cloud:** Shield-IoT is a multi-tenant, cloud-agnostic solution and requires no changes to end customer networks.
- **Effective Customer Onboarding:** Seamless and unlimited customer onboarding with no need for solution adaptation or customization.
- **End-to-end Service Offering:** Includes SOC managed security services (optional) to facilitate fast launch of new services.
- **Future-ready Design:** Built to automatically scale across any network size or type, to protect against any future threats.



## Shield-IoT

Established in 2017, Shield-IoT is an IoT cyber security software solution provider, enabling IoT service and solution providers to monitor and secure mass-scale B2B IoT/IloT networks, reduce operational costs and generate new revenue streams. Based on over 15 years of 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.

## Contact Us

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

[www.shieldiot.io](http://www.shieldiot.io)

To schedule a call with a Shield-IoT expert, send an email to:

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