MONITORING AND SECURITY FOR 5G/IoT/NB-IoT

TechBridge Monitoring and Security Solution enables 5G to deliver high-speed, low-latency, reliable and secure mobile broadband in its early deployments. Over time, massive numbers of IoT devices will be connected to 5G networks, providing support for ultra-reliable and low latency communications. A combination of 5G and wireless edge technologies will support demanding use cases, such as autonomous driving, time critical industrial IoT manufacturing processes and augmented and virtual reality (AR/VR).

Mobile IoT networks, using LTE-M or NB-IoT cellular technology, continue to gain traction for applications that require low power wide area (LPWA) connectivity. These networks will continue to evolve and will operate seamlessly both with existing networks and 5G NR (New Radio) connectivity. From the core network perspective, both the existing LTE Core (Enhanced Packet Core/EPC) and the new 5G core (5GC) will continue to support the evolution of Mobile IoT into the future.

However, 5G brings a range of benefits to the IoT which are not available with 4G or other technologies. These include 5G's ability to support a massive number of static and mobile IoT devices, which have a diverse range of speed, bandwidth and quality of service requirements. The 5G networks being deployed today are building on 4G networks, which employ both LTE for Machines (LTE-M) and Narrowband-IoT (NB-IoT) technologies, with 5G delivering the functionality required to support both existing and future use cases.

"Over time, massive numbers of IoT devices will be connected to 5G networks, providing support for ultrareliable and low latency communications"

Product Overview

Cloud Powered Visibility and Scalability of IT and IoT Networks

TechBridge's Monitoring and Security for 5G leverages the power and simplicity of Cloud to deliver unmatched security and visibility across your IoT, and IT networks.

The solution accelerates digital transformation for the largest and most complex distributed networks. You can protect any number of IoT, IT, edge and cloud assets, anywhere.

Its scalable SaaS platform enables you to consolidate all of your security management into a single application, even as your networks quickly evolve.

The solution delivers the immediate awareness of cyber threats, risks, and anomalies you need to detect and respond quickly and ensure cyber resilience.

See
All IT and IoT assets and behavior on your networks for unmatched awareness

Detect
Cyber threats, vulnerabilities, risks and anomalies for faster response

Unify
Security, visibility and monitoring across all your assets for improved resilience

Identify   Assess   Detect   Act   Scale

IDENTIFY

Asset Discovery and Network Visualization

Automatically Track Your IT and IoT Assets

Up-to-Date Asset Inventory

Eliminates blind spots and increases awareness with automated asset inventory

Intuitive Dashboards

Generates macro views as well as detailed information on assets and connections

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Immediately Understand Your Networks

Identifies All Communicating Devices

Provides extensive node information including name, type, and firmware version

Reduced Risk Through Network Visualization

Delivers detailed insight into your IT/IoT networks including asset behavior, roles, protocols, and data flows

10 Computers	3.1K Software	1 Network device	1 Rack	0 Enclosures
2 Monitors	0 Licenses	1 Printer	1 PDU	0 Phones

Computers by Status — 10

Computers by Manufacturers: HP, Hewlett-Packard, LENOVO, VMware, Inc.

Computers by Type — 10

Network devices by Manufacturers — without

Monitors by Manufacturers — 2

TechBridge's Assets View summarizes all asset activity on your network for rapid assessment

Network Visualization View displays all assets communicating on your network for real-time awareness
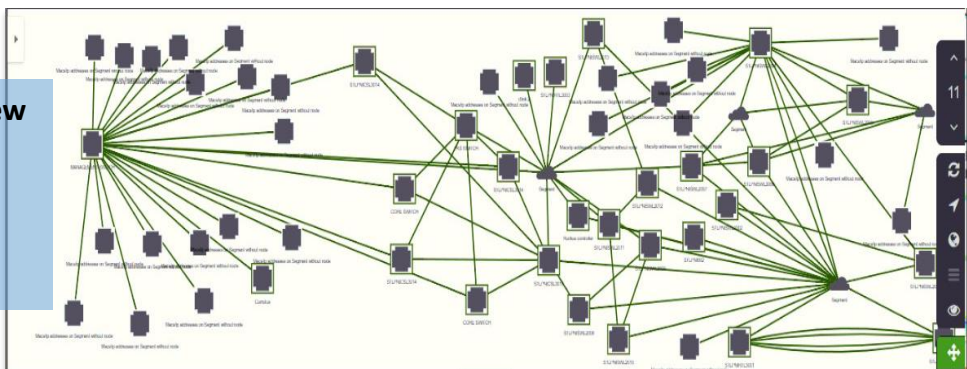
ASSESS

Vulnerability Assessment and Risk Monitoring

Rapidly Identify Your Vulnerability Risks

Automated Vulnerability Assessment

Presents risk information including security alerts, missing patches and vulnerabilities

Efficient Prioritization and Remediation

Speeds response with vulnerability dashboards and drilldown capability

Continuously Monitor Your Networks and Automation Systems

Continuous Monitoring

Continuous monitoring of all supported protocols: IoT and IT

No critical blind spots in protection caused by limited monitoring or inadequate protocol support

Easy Access to IT/IoT Risk Data

Summarizes IT and IoT risk information and highlights indicators of reliability issues, such as unusual process values

Supports drilldown on visual indicators for more detailed information
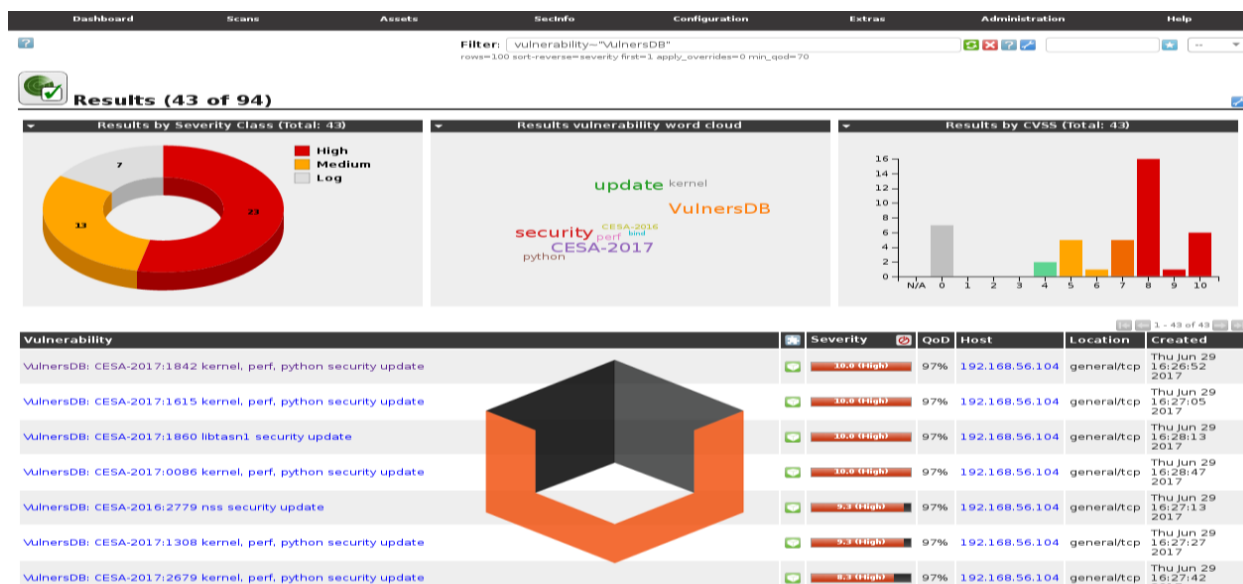
DETECT

Advanced Anomaly and Threat Detection

Quickly Detect and Disrupt Threats and Anomalous Behavior

Constantly Updated Threat Detection

Identifies cybersecurity and process reliability threats

Detects early stage and late stage advanced threats and cyber risks

Superior IT and IoT Threat Detection

Combines behavior-based anomaly detection with signature-based threat detection for comprehensive risk monitoring

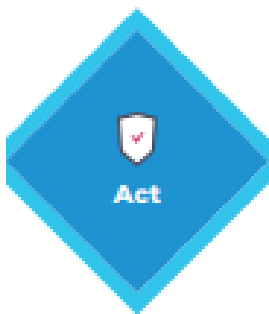**Effectively Monitor Mixed Environments**

Threat Intelligence

Ensures up-to-date threat detection and vulnerability identification using indicators created and curated by TechBridge Labs

Asset Intelligence

Powers breakthrough anomaly detection accuracy for IT and IoT devices, accelerating incident response

Rapid Identification of Assets
▾
Ensures Precise Asset Inventory

Accurate Anomaly Alerts
▾
Accelerates Incident Response

Asset Intelligence for Dynamic Networks
▾
Sustains Accurate Inventory & Detection

ACT

Accelerated Global Incident Response

Significantly Improve IT and IoT Risk Management

User-Centric Design Accelerates Response

Focuses attention on critical concerns by summarizing risks and threats

Improves response time and productivity with precise alerts that are easy to prioritize

Detailed Alerts Provide Worldwide

Perspective Consolidates all data to create accurate alerts that identify security and reliability risks anywhere in your networks

Greatly Reduce Time-Consuming Research

Automatic Consolidation of Alerts

Clear Explanation of Incidents

Describes what happened, possible causes and suggested solutions for every alert, reducing the need for additional investigation

Groups alerts into incidents, providing security and operations staff with a simple, clear, consolidated view of what's happening on your networks

INCIDENT MANAGEMENT

INCIDENT   PROCESS   DETECTION   ANALYSIS   INITIAL SUPPORT   RESTORE   REPORTING

SCALE

Unified Security for All of Your Sites with the Power of Cloud

Scale

Readily Scale with Optimal Performance

Exceptional Global Visibility

Aggregates data from any number, deployed anywhere

Delivers customizable summaries of essential information with drill-down to individual sites or assets

Consolidated Monitoring of All Facilities

Enables centralized security risk management for all sites Provides visibility into all IT/IoT environments

Easily Integrate with SOC/IT Environments

Integrated Security Infrastructure

Streamlines security processes across IT/IoT for cohesive response

Includes built-in integrations for asset, ticket and identity management systems, as well as SIEMs
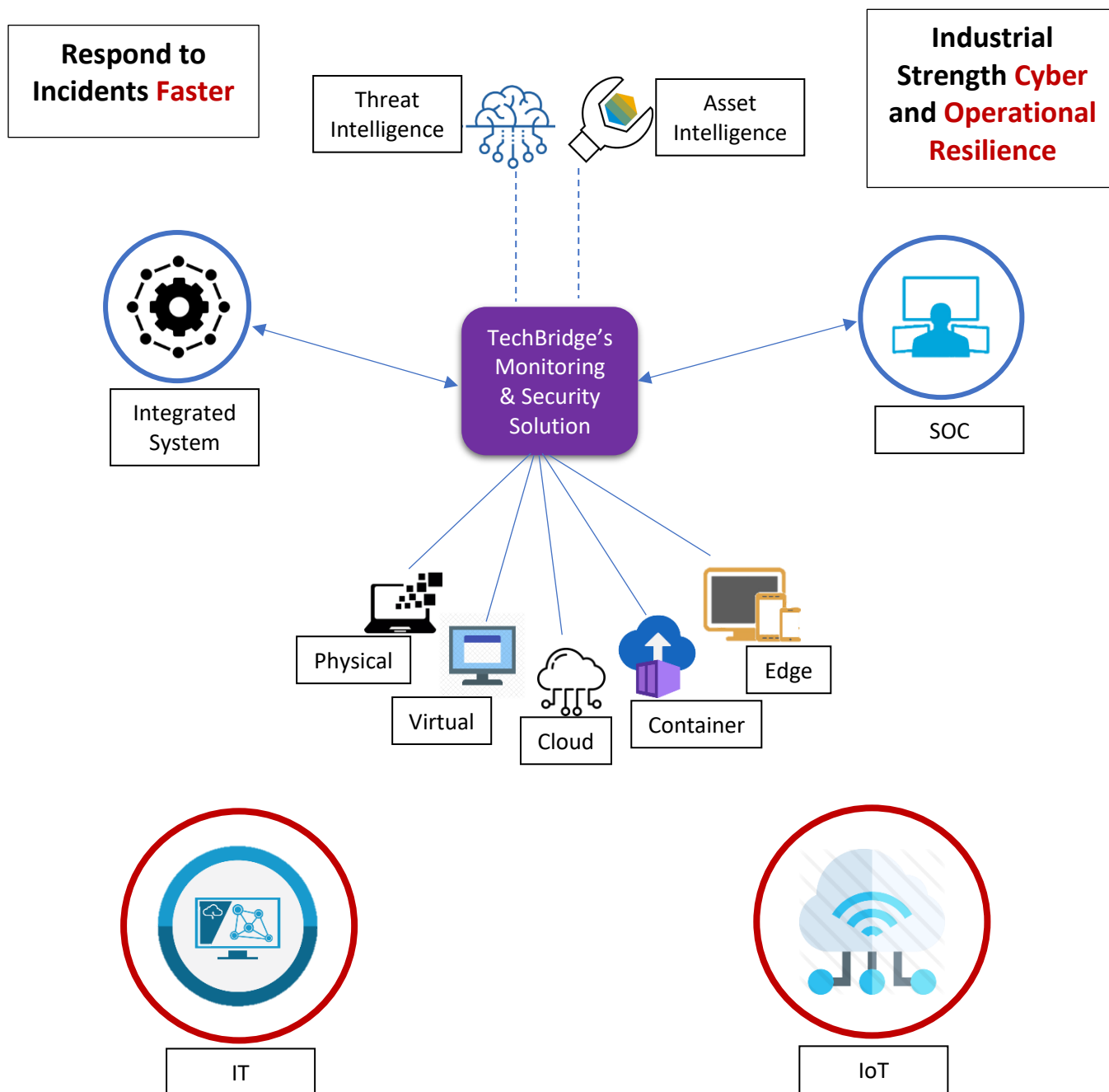
Broad Protocol Support

Supports hundreds of IoT and IT protocols

Includes Protocol SDK and on-demand engineering services for new protocol support

IT & IoT Security & Visibility

TechBridge's scalable Cloud platform protects any number of IoT, IT, edge, and cloud assets, anywhere

Respond to Incidents **Faster**

Industrial Strength Cyber and Operational Resilience

Threat Intelligence

Asset Intelligence

TechBridge's Monitoring & Security Solution

Integrated System

SOC

Physical

Virtual

Cloud

Container

Edge

IT

IoT

"Our technology quickly and accurately detects malicious and anomalous activity"

FOR MORE INFORMATION

About TechBridge

TechBridge is the World's leading Product & Solutions Company. Data Center Applications, Collaboration and Real Time Communication. DC Management and Monitoring, Disaster Management, Security, Collaboration and Cloud. Its market-leading Network Modernization, Unified Communications, Mobility and Embedded Communications solutions enable customers to quickly capitalize on growing market segments and introduce differentiating products, applications and services. We are an expert and leader in Government Solutions, Smart City Solutions, Data Centers and Large Enterprises. We do custom applications also, as per the customer requirements.

Certificates:-

ISO 9001	ISO 27001	ISO 20000	CMMi L3

Visit our Website: www.tech-bridge.biz

Mail us at: sales@tech-bridge.bizp

Address:- TechBridge Consultancy Services LLP
326, Tower B3, Spaze iTech Park, Sector-49, Sohna Road, Gurgaon-122018, Haryana