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SAMI: Securing the Built Environment

What is SAMI?

At STT Security, we deliver and support autonomous cybersecurity solutions designed to protect Canada’s critical infrastructure, including the smart buildings that power our communities. As a trusted reseller of SAMI (Security Assisted by Machine Intelligence), we offer a platform purpose-built to safeguard BAS environments from both internal and third-party threats. SAMI goes beyond traditional detection. SAMI delivers continuous visibility, quantifies cyber risk in financial terms, and empowers leadership to make informed, business-aligned security decisions for the built environment.

SAMI:

Securing the Built Environment

OT Cybersecurity for Building Automation Systems: Smarter Buildings. Bigger Attack Surface. Today’s buildings are no longer just brick and mortar. They’re digital ecosystems. Building Automation Systems (BAS) power HVAC, lighting, elevators, access control, fire suppression, and energy optimization. But with connectivity comes risk. Legacy protocols, shared credentials, unmonitored vendor access, and flat OT networks make BAS a prime target for cyber attacks.

Why OT Security for BAS Matters

- Direct Impact on Safety: A compromised BAS can lock doors, disable life-safety systems, or alter environmental controls.
- High Operational Stakes: Downtime affects hospitals, data centres, campuses, and mixed-use towers.
- Growing Threat Landscape: Ransomware groups and state-sponsored actors are exploiting BAS vulnerabilities for leverage.
- Regulatory Pressure: Industries face rising liability for cybersecurity gaps that affect physical infrastructure.

How SAMI Secures Smart Buildings?

Challenge	SAMI Response
Fragmented visibility across OT networks	Autonomous asset discovery & risk correlation
Legacy tech and insecure protocols	Protocol monitoring, segmentation, and realtime anomaly detection
Shared credentials & vendor access	Identity-based access control, MFA enforcement, automated audit trails
Patch-lagging devices	Risk prioritization and compensating control recommendations

Key BAS Vulnerabilities

- Unsecured protocols (BACnet, Modbus)
- Default or shared passwords
- Unmonitored remote vendor access
- Unpatched legacy equipment
- Flat, unsegmented networks



Strategic Benefits of SAMI

- Protects critical life-safety and operational systems
- Reduces downtime and operational disruptions
- Strengthens ESG and compliance posture
- Delivers continuous, autonomous OT cybersecurity at scale

Future-Ready Buildings Start with SAMI

SAMI embeds cybersecurity into the foundation of the built environment, protecting building automation systems without disrupting operations. SAMI's autonomous platform helps property owners, facility managers, and security teams see, secure, and sustain their digital infrastructure with confidence.