



Cybersecurity Protection for the Commercial Real Estate market – protecting buildings, systems, and their tenants



Cybersecurity Challenges for Commercial Buildings

Buildings are becoming smarter and more efficient by connecting their Operational Technology (OT) networks to their IT networks and the Internet. With this connectivity comes increased exposure to cyberattacks that can cripple an HVAC system, impair a Smart Lighting platform, or even close an entire building. These attacks can create health and safety issues for tenants, financial losses, impact productivity, and damage a building owner's reputation.

Unprotected OT networks can give hackers access to valuable data on connected IT networks or even be used to hold a building owner 'hostage' in return for a ransom. Cybersecurity monitoring solutions are important in protecting commercial real estate (CRE), but it is not enough. The controllers and devices on every floor need to be protected in real-time – authenticating who they are talking to and safeguarding the data and commands used to manage a building.

Real-Time Security for Every Building Device

Veridify's DOME™, developed with the support of our partners Intel and AWS, provides a cost-effective way to secure and manage every building automation device, not just controllers, in a new or existing commercial structure. In addition, DOME delivers authentication and data protection to the edge of a building's network for today's most popular communication protocols like BACnet.

DOME is a Software-as-a-Service (SaaS) solution that creates a secure data tunnel over your existing platform, authenticating every device, user, and command while encrypting and protecting your data from the outside world. Its 'zero-touch' installation program automates the difficult task of correctly installing new devices in your building that require special security programming - saving time and money while avoiding expensive mistakes. DOME is a cost-effective platform that does not replace or compete with your currently installed building automation solution. Instead, it complements it with the industry's leading security technology.

Secure Every Device in a Building and Create a Trusted Environment

DOME can secure thousands of connected devices, from thermostats and lighting systems, to air handlers and parking access controls often found in a factory, commercial office, or multi-building campus. It cost-effectively ensures every device in your facility can be installed and managed with the security necessary to create a safe and trusted environment.



Buildings are becoming more intelligent through the connection of many different systems, including BACs, BMSs, access controls, environmental, and IoT networks, as shown in the diagram above. This growing connectivity can create critical security exposures capable of generating occupant safety, financial, and reputational risks.

Protection for Existing Building Systems

DOME can also protect your current buildings and their legacy systems, saving time and money while delivering the most advanced security available. Our retrofit solution provides DOME's real-time protection without the need to alter or replace your current building management system.

Protect your tenants, buildings, and assets with DOME's cost-effective cyber protection. Contact Veridify Security or your System Integrator to learn how to protect all the devices running your building.

Cyberattacks Cost Time and Money

- Attack on Class-A Office Building BMS and damage to equipment costs \$325K
- 60% of building system devices knocked offline from internal IT connection, with an estimated repair cost of \$1.25M for the 2,000+ hours to restore, and taking over 15 days to re-verify.
- 47% of surveyed buildings had open connections to the Internet, creating significant security exposure for their OT networks

Source: Intelligent Buildings

Free Security Consultation

Our experts will provide an initial security consultation and show you how DOME can be used to secure every connected device in your building and create a trusted environment. Contact us at info@veridify.com

Easy to Get Started

It is easy to manage your building's security with our hosted platform, DOME-enabled devices, and retrofit solutions that can be cost-effectively integrated with your current Building Automation system. To learn more, contact us at dome@veridify.com

