



CyberReady™
Cyber Security Assessment for
Commercial Real Estate
<https://cyberreadyassessments.com/>

The Opportunity for Smart Tenants

As buildings become smarter, the risks associated with the theft of data grows. Commercial Real Estate need a way to assess and evaluate the cyber risks of properties. Much like environmental or health scoring models, CyberReady™ provides a comprehensive assessment of the property or the portfolio and a score that can be used as an underwriting tool, and benchmark moving forward. It can also serve as a budget allocation tool, a marketing feature to show potential tenants or investors the security awareness of the buildings, and a check on remote workforce vulnerabilities.

The Problem

The expanding threat landscape and new business innovation is leading to an increase in cyberattacks. Forbes reports a 51% rise in cyberbreaches from 2018 to 2019. The average cost of cybercrime for an organization increased \$1.4 million to \$13 million in 2019 according to Accenture. In a competition to decrease operating costs, especially utility and maintenance bills, and gain more convenience, offices strive to enhance automation and technology interface. At the cost of cyber risks. Following marketing appeal and social trends, and now the need to offer healthy and safe environments, office space users must also address and protect their data privacy, and be aware that other tenants' cyberhygiene may impact their own. A chain is as strong as its weakest link: similarly, an office building is as ready as its most cybercasual tenant.

The top most dangerous security threats for offices:

- ✓ People - Lack of awareness or training
- ✓ Patch Management
- ✓ Passwords/Permissions not always well calibrated
- ✓ Use of personal devices and unsecured networks
- ✓ Lack of 3rd party vetting for data and network security

Cybercrime is Increasing and changing

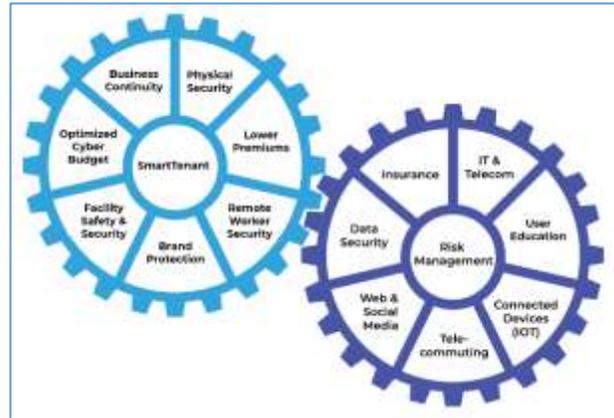
Evolving targets: Information theft is the most expensive and fastest rising consequence of cybercrime. But data is not the only target. Core systems, such as industrial controls and Internet of Things, are being hacked in a dangerous trend to disrupt and destroy. Attacks on IoT devices tripled in the first half of 2019 (CSO online).

Evolving impact: While data remains a target, theft is not always the outcome. A new wave of cyberattacks sees data no longer simply being copied but being destroyed. Attacking data integrity—or preventing data toxicity—is the next frontier.

Evolving techniques: Cyber criminals are adapting their attack methods. They are targeting the human layer—the weakest link in cyber defense—through increased ransomware, phishing and social engineering attacks as a path to entry.

Cyber Risk Management Ecosystem

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The Solution

A holistic risk assessment, based on leading security frameworks (GDPR, ISO, NIST, FIPS, FISMA), that allows an organization to easily assess the risk exposure of their buildings, portfolios infrastructure and operations across three critical areas – Physical, Behavioral, and Technical. In a continuous improvement approach, the subscription-based assessment analyzes 12 attributes and provides an overall score for the building or the portfolio. **SmartTenant™** provides an easy summary of individual tenants cyber environments and how those intersect with the building's and others.

It is often run in conjunction with **SmartOffice™** for office common areas and building infrastructure. **SmartOffice™** is for office owners, investors and managers to oversee their cyber risks at the building or the portfolio level. It can be performed through a **CyberFull™** exercise which includes a site visit and a gap analysis, or through **CyberLite™** which is an abbreviated form of CyberFull delivering a “snapshot” of building vulnerabilities.

Our full suite of assessments includes:

- SmartOffice™** <https://cyberreadyassessments.com/smartoffice>
- SmartInsure™** <https://cyberreadyassessments.com/smartinsure>
- SmartHotel™** <https://cyberreadyassessments.com/smarthotel>
- SmartHome™** <https://cyberreadyassessments.com/smarthome>
- SmartRemote™** <https://cyberreadyassessments.com/Smartremote>

The Team

Michael Savoie, PhD has been involved in cybersecurity for over 25 years. He has worked on cybersecurity programs for the US Departments of Energy and Defense, and National Security Agency. He developed the algorithms on which CyberReady™ is based in 2012.

Noëlle Brisson FRICS, MAI, has an international career in commercial real estate and operational reviews, focusing on valuation and underwriting and portfolio asset management where data quality, reliability, protection and governance are essential.