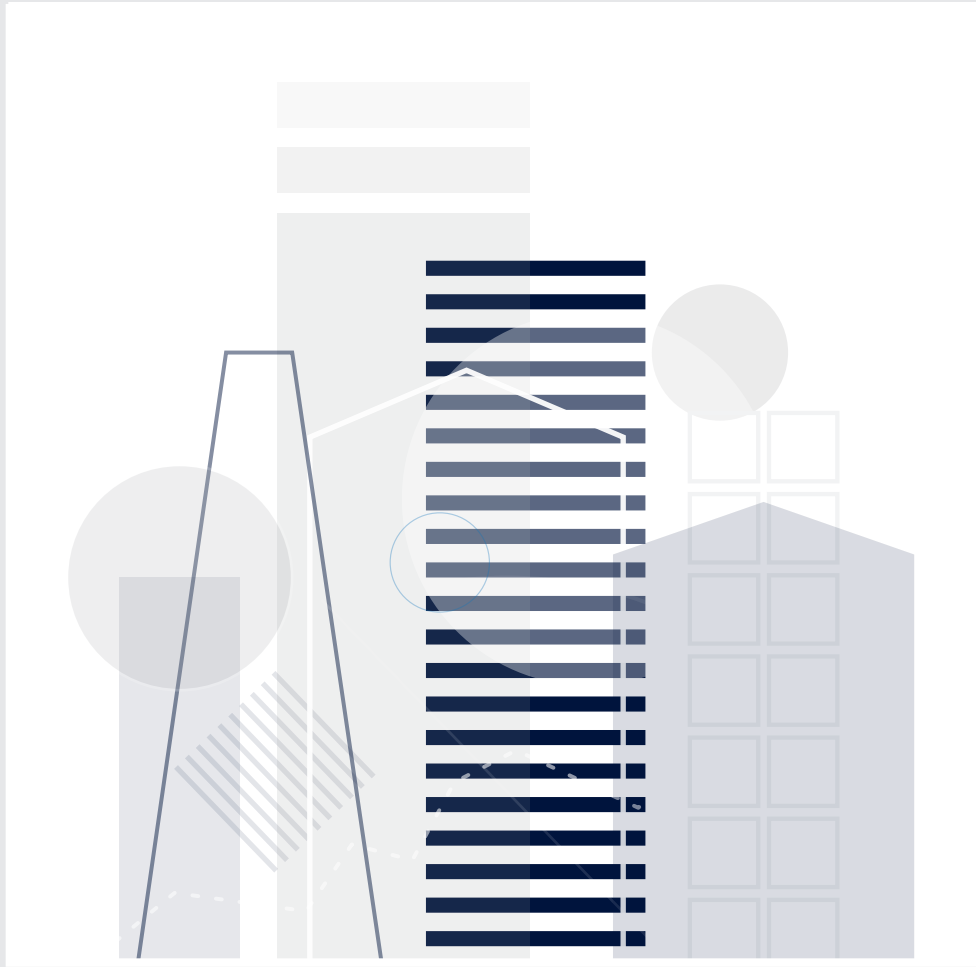


REMOTELY DELIVERED CYBERSECURITY RISK ASSESSMENT



CASE STUDY SUMMARY

Intelligent Buildings® Remotely Delivered Building System
Cybersecurity and Contractor Risk Assessments



Challenge

A prominent property management company engaged Intelligent Buildings (IB) to assess the cybersecurity risks associated with the systems in a commercial building that it manages for a large corporation. Building systems (e.g., HVAC, lighting, parking, elevator, and access control) are often poorly configured and installed on unauthorized or unknown networks. They also typically utilize simple passwords, noncurrent software, inconsistent backups, and poorly managed user credentials. The assessment was part of the company's overall response to the pandemic, making it undesirable to have additional staff on site for the assessment. However, the company required quick and accurate project execution.

Solution

IB is the only company to offer software-driven cybersecurity and contractor assessment services that can be deployed quickly and remotely to accommodate urgency without having to send staff physically onsite. The solution uses secure, cloud-based technologies combined with a mix of remote interviews and surveys to conduct the assessment.

The customer's site team also used IB's network analysis tool, in conjunction with remote support from our subject matter experts, to supply an automated scan of networks utilized by the building systems. These scans can determine any rogue devices on the local network, as well as unusual or suspicious traffic patterns that can reveal unauthorized users or unacceptable exposure.

In addition to assessing building control systems and contractors for cybersecurity risks, the team remotely documented multiple subsystems throughout the building and provided referential network diagrams, including a list of all identified IP-connected devices. Furthermore, the automated audit and remote interview process revealed undocumented internet connections that building staff were completely unaware of in their building. The undocumented networks were verified by the cybersecurity assessment tool.

Analysis of the data gathered during the remote assessment process resulted in the delivery of a comprehensive cybersecurity risk assessment. The report showed findings, next steps for remediation, and risk mitigation derived from purpose-built software based on the National Institute of Science and Technology (NIST) cybersecurity framework. This framework provides objective scoring on multiple critical cybersecurity and vendor risk categories, including the key NIST areas of Identify, Detect, Protect, Respond, and Recovery.



Benefits

- Project mobilization for remote assessments is swift, and the overall process takes half the time for a standard onsite assessment.
- Remote assessments eliminate the need for travel, lower the overall project cost, and reduce schedule risks.
- There are no additional health risks introduced to any stakeholders.
- The remote risk assessment process provides flexibility for the site team to support gathering data.
- IB can accommodate tight work schedules for the site teams and any other work-related restrictions.
- By using cloud-based tools, the remote team can gather more information or provide additional scanning without travel costs.



About Intelligent Buildings

Intelligent Buildings® is the only company focused on Smart Building advisory, assessment, and managed services at scale for new projects and existing portfolios. We help our customers manage risk, enhance occupant well-being, and continually improve performance by providing unmatched expertise, practical recommendations, and targeted services. Since 2004, we are the most trusted and experienced name in Smart Building services.

Assessment Services

- Building System Cybersecurity & Contractor Risk Assessment
- Building System Discovery & Capabilities Assessment

Smart Building advisory, assessment, and managed services at scale.



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