Building Management System (BMS) Security Assurance

Applied Risk
a DNV company

Applied Risk OT Solution Snapshot

A Building Management System (BMS) is an automated control system which controls and monitors a facility's critical mechanical and electrical equipment such as ventilation, lighting, power systems, fire systems, and security systems.

Today's smart buildings contain a myriad of Operations Technology (OT) components. Examples are fire safety systems used to detect fire and alert both building occupants and the fire department, but also access controllers, heating, ventilation, and air conditioning (HVAC). Automated building management systems keep occupants safe and comfortable while saving on electrical energy and maintenance.

There is a downside, however. These systems are often connected directly to the Internet with little consideration for cyber security, providing easy access for remote attackers. Applied Risk has performed extensive research on Building Management Systems and can assist in developing your facility to become cyber resilient.

Key Benefits

- Identify weakness in your BMS using an elaborate risk model
- Create visibility of devices and network events
- Comply with international standards (IEC 62443) and industry best practices
- Enhance cyber security capabilities of your automated building systems

Deliverables

Applied Risk's security experts will develop an assurance report on the following areas:

- Environmental control – heating, ventilation and air-conditioning (HVAC)
- Lighting – control of lighting schemes
- Energy monitoring – real time energy metering, automatic monitoring & billing
- Critical system monitoring & alarms – flood, electrical & water monitoring
- Back-up electricity alarms – generators, uninterruptible power supplies (UPS)
- Computer data suite environmental control

Get in touch.

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