



# **SECURING OPERATIONAL TECHNOLOGY BUILDING CYBER RESILIENCE.**

Honeywell  
Cybersecurity

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# The Importance of Cybersecurity

As buildings become more and more digital, organizations are increasingly embracing the demand for connected environments and acknowledging their exposure to cybersecurity threats. To help defend against potential financial loss or reputational damage caused by cyber attacks, a strong cybersecurity strategy needs to be implemented – one that starts with the understanding of attacker motives and cyber risk scenarios.


## WHAT THE NUMBERS SAY

**US\$6Trillion**  
Expected cybercrime damage cost p/a by 2021<sup>1</sup>

**US\$3.79m**  
Average cost of data breach<sup>2</sup>

  
Building control systems should be monitored and maintained like IT systems

**80%**  
Of companies expect an increase in cyber risk over coming years<sup>3</sup>

  
Not being connected doesn't mean systems are entirely secure

**110%**  
Increase in attacks against building control systems in 2016<sup>4</sup>

1 <https://1c7fab3im83f5gqiow2qqs2k-wpengine.netdna-ssl.com/2015/wp/wp-content/uploads/2017/10/2017-Cybercrime-Report.pdf>  
2 <https://www.oasis-open.org/events/sites/oasis-open.org.events/files/Day2-Session4-Allor.pdf>  
3 [https://www.raytheon.com/sites/default/files/2018-02/2018\\_Global\\_Cyber\\_Megatrends.pdf](https://www.raytheon.com/sites/default/files/2018-02/2018_Global_Cyber_Megatrends.pdf)  
4 <http://www.ibm.com/security/services/managed-security-services/?ce=ISM0484&ct=SWG&cmp=IBMSocial&cm=h&cr=Security&ccy=US>



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# Operational Technology Challenges

Over the last decade, governments and businesses alike have often invested heavily in ongoing Information Technology (IT) security solutions, directed at predicting and mitigating the risk of cyber-threats. However, **Operational Technology (OT)**, like building control systems, is often overlooked and monitored or maintained at a low level – leading to a potential vulnerability.





# Resilience in the Face of Cybercrime

Hackers are constantly refining the tools and methods they use to compromise cyber defenses. Developing a cyber-smart strategy is typically a journey – one that often involves ongoing assessment of internal processes and procedures, as well as adopting next-generation monitoring applications.



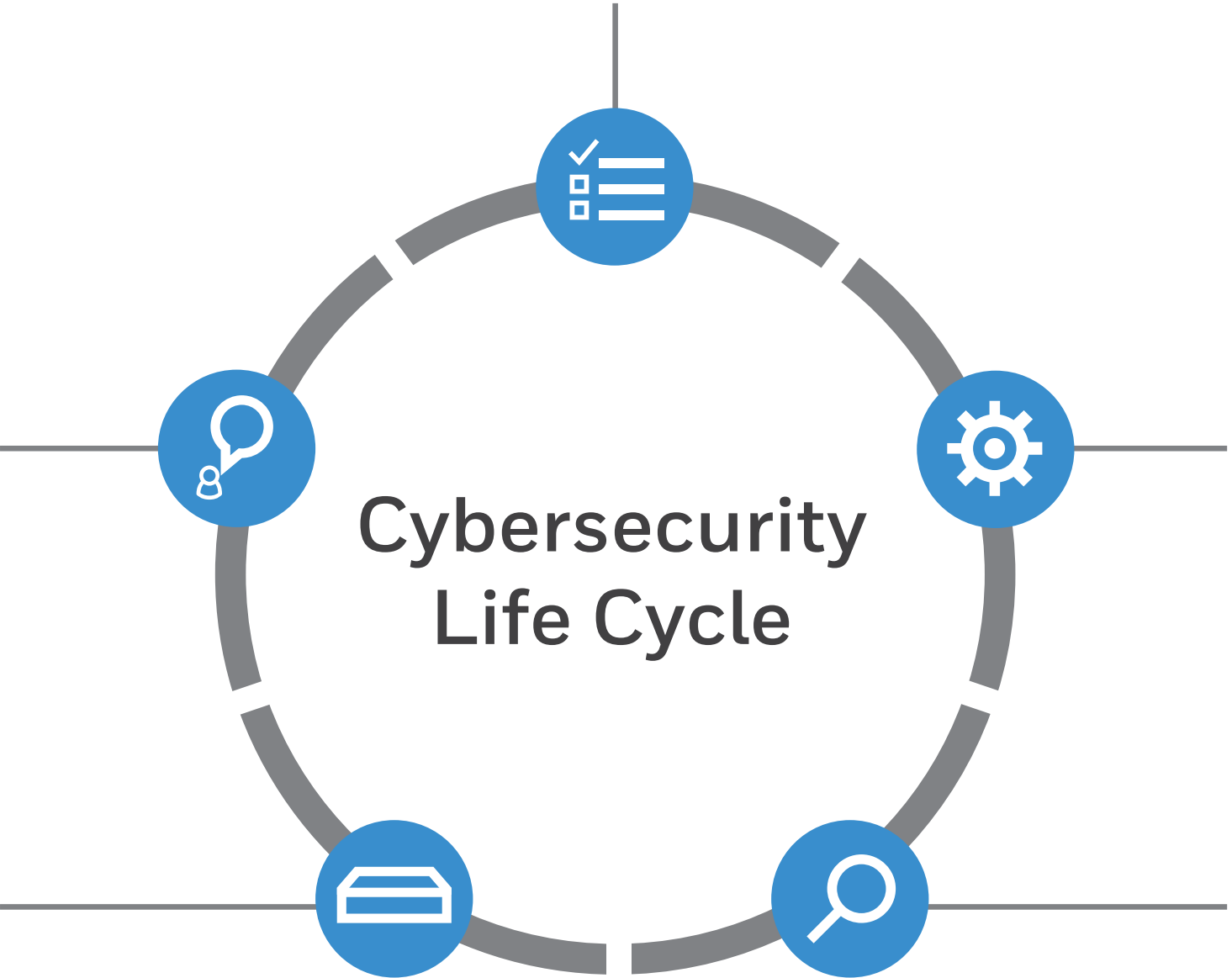


# Reduce Your Cyber Risks. Enhance Your Data Protection.

As a trusted solution provider and industry leader, Honeywell takes a holistic approach to cybersecurity audits, helping you mitigate potential damage to your finances, operations, and reputation by implementing targeted security controls – as you’re ready for them.

Cybersecurity is typically a continual process of improvement and sophistication. Organizations often do not need to take all these steps at once.

This overview shows the full scope of services you may need throughout the life of your business, but we will work with you to help determine which maybe of greatest value to your business today.





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# DISCOVER YOUR RISKS: Cybersecurity Assessments

With cybersecurity threats constantly evolving, your facility needs to keep pace.

We can help you assess the risks of your OT environment in approximately six weeks. We start with an on-site assessment then present you with a detailed report, along with an executive summary – giving you clear and precise guidance on available actions that can help further secure your facility.



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# REINFORCE YOUR FOUNDATION: Cybersecurity Configuration and Design

The Internet of Things (IoT) continues to evolve, along with cybersecurity risks to your building and its business systems. Better protect your investment and reduce unnecessary cybersecurity risks to your OT network and devices. Honeywell delivers cost-effective configurations that help optimize the integrity, availability, and safety of your systems.





# STAY VIGILANT:

## Cybersecurity Monitoring and Remote Management

Establishing more robust cybersecurity often means correcting common vulnerabilities, like operating on outdated or unpatched software, or lacking stringent security measures around communication protocols. An unwelcomed exploitation of these weak spots can lead to loss of production, revenue, shutdowns, and, in the worst cases, even loss of physical well-being. Honeywell can help you enhance the visibility of your OT network and systems.





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# PROTECT YOUR ASSETS: Cybersecurity Appliances and Software

When it comes to critical facility applications such as your Building Management System (BMS) or OT assets, security can be challenging. Starting with a versatile array of cybersecurity applications for software and hardware, we help you to better understand your potential needs, based on your facility and OT environment.





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# PREPARE TO RESPOND: Incident Readiness and Advisory

When your facility and its Building Management System (BMS) or OT environments and data become compromised, it's critical to take the right steps quickly. The immediate aftermath often calls for a response team to restore systems to a minimal-viable operating level, while seeking to address the containment and eventual eradication of the threat. This process may lower some security controls, so it's important to follow a predefined set of protocols.





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# We can help you reduce your cyber risks and better protect your data.

It all starts with a cybersecurity assessment – a critical, first step to identify potential vulnerabilities on your building controls network. Then we can put together a potential mitigation plan and help start building resilience – by helping reduce your OT cybersecurity risks, one at a time.

Contact your local or regional account representative for a cybersecurity assessment.

[BuildingsCybersecurity@Honeywell.com](mailto:BuildingsCybersecurity@Honeywell.com)

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