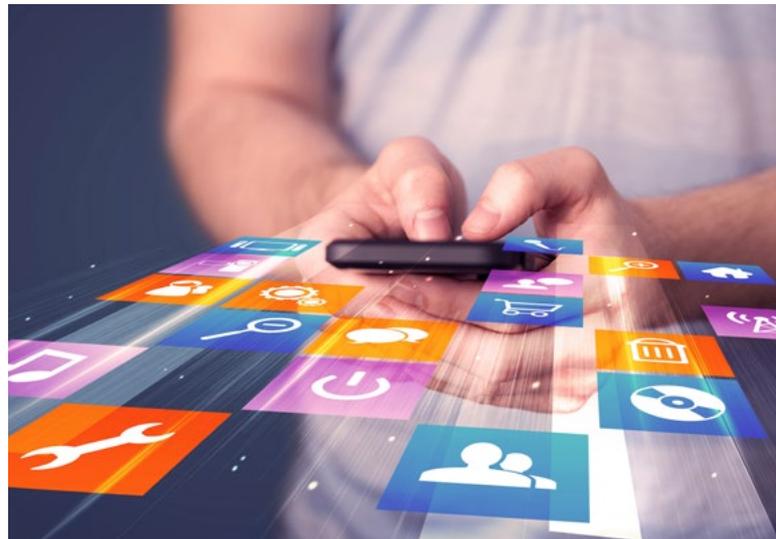




Vanderbilt Examines: The Rise of Smart Cities

#ReadyForAnyChallenge

The positive possibilities for smart cities are endless, and the general public certainly appears to be onboard. For instance, Cambridge-based tech company, Arm, commissioned research firm NorthStar to survey 2,000 global consumers. They found the convenience of smart technology is the main reason to “love” (26 percent) or “like” (37 percent) the technology. One in five respondents appreciated what the technology was doing for their city experience.

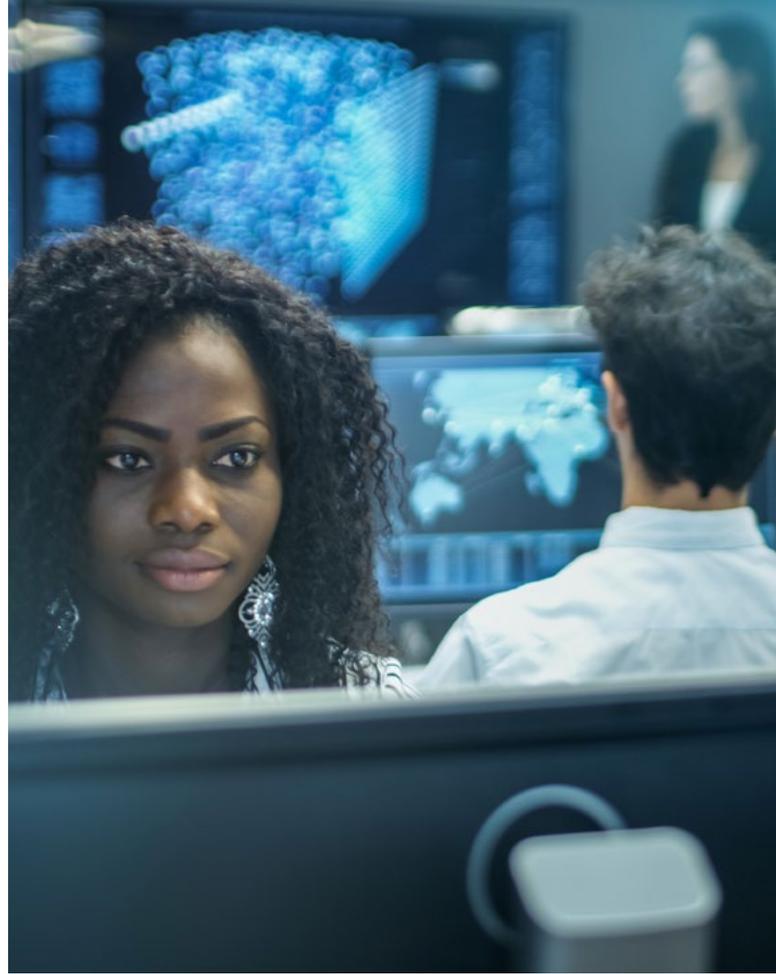


The Growth of IoT

Most cities already deploy many technological devices that fall under the IoT blanket. For instance, industrial control systems (ICS) exist to run day-to-day necessities like water, power, traffic, and transportation. Therefore, it is a “no-brainer” that security for smart cities should come first and foremost. Employing more machine learning algorithms to scour the web for vulnerabilities ahead of time could be a possible solution to combat vulnerabilities.



Naturally, cyberattacks and data breaches can't be avoided entirely. But rather than trying to accomplish the impossible, smart cities should focus on investment in IT infrastructure capable of resisting outside attacks. At its core, security is about being continuously observant, following best practices, and being ready and able to react against a security issue.



Best Practices

Having an environment within the software industry of open disclosures only means that we can learn from mistakes, we can see how hackers are attempting to breach systems, and ultimately, it can help us stay ahead of the curve and one-step clear of hackers' latest intentions. When vulnerabilities are reported, it just means that testing down the line will improve.

However, one of the most obvious places to start is to choose equipment from reliable suppliers that have knowledge and interest in cybersecurity and are focused on protecting your data. When your cloud security system is designed from the ground up to defend against cyberattacks, naturally your organization will be in a much better place.

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